

A **A Series™ Family**

A collection of all A Series™ product flyers



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A Series™ Family

Heavy Duty, Multi-Pin, Plastic or Metal Connectors, Cable Assemblies and Accessories



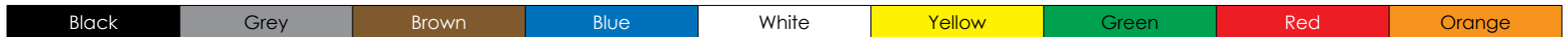
Amphenol Sine Systems' ever-growing **A Series™ Family** of sealed, heavy-duty, multi-pin plastic and metal connectors are made up of 16+ core product lines. The connectors within this Family have been developed as a high-performance, cost-effective solution for use with Heavy Equipment, Agricultural, Automotive, Military, Alternate Energy, and other demanding interconnect architectures. The A Series™ Family bridges the gap between controlled and harsh environmental conditions to keep you connected.

Key Features (Depending on Series)

- Plastic or Metal Housing Body Options
- IP Ratings Range of IP65-69K
- Wide Range of Accessories and Modifications Available
- Cable Assembly Options
- Customized Solutions Available
- Compatible with existing standard products industry-wide

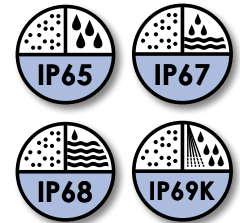
Potential Applications: Heavy Equipment, Agricultural, Automotive, Military, Alternate Energy, and other demanding interconnect architectures

Custom Color Modifications



A Series™ - Specifications Overview
(See individual Series for exact specs)

IP Rating Range	IP65, IP67, IP68, IP69K (in mated condition)
Max. Current Amperage Range	7.5A - 180A
Operating Temperature Range	-40°C to +150°C
Coupling System Types	Integrated Latch, Integrated Locking Lever, Circular Bayonet, Coupling Ring, Jackscrews
Housing Body Types	Thermoplastic or Metal
Contact Types	Stamped & Formed, Machined, RADSOK®
RoHS Compliant	RoHS ALL materials meet the requirements of the European Directive. (See website for documentation)



A Series™ Custom

In addition to our standard products within the **A Series™ Family**, we can design, engineer and manufacture custom connectors and/or cable assemblies to your exact customer specifications and produce large or small quantities, all to the highest standards, delivered on-time and in-specification, all with a significant cost-savings over the competition. By combining locally based Program Management & Engineering, along with the associated cost advantages derived from manufacturing in our low-cost production centers in North America and Asia, our Team will work with you to design the most cost-efficient and reliable interconnect system available.



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A Series™ - Product Line Overviews

Product Line	Image	Overview
 AT Series™		Our AT Series™ Connectors are a high-performance, thermoplastic, cost-effective solution with superior environmental seals and seal retention capabilities with IP68 and IP69K ratings (in mated condition). The connector design incorporates an integrated latching system with over-sized detents that ensures a definitive electrical and mechanical connection. All of our AT Series™ connectors offer a wide range of end caps and strain relief options and have been developed to be comparable with all other existing standard products industry-wide. Available in BoardLock™, HYPERBUS™, LED, PanelMate™ and StructurePlus™ options.
 AT Series™ Cable Assemblies		Available in 2, 3, 4, 6, 8 and 12 position Plugs and Receptacles with single-ended cordset standard lengths of 1, 2, 4, 5 and 10 Meters. Contact Customer Service for custom cable length options. Our AT Series™ Cable Assemblies feature our StructurePlus™ AT design, an engineered, one-piece, solid body construction specifically designed for cable assembly operations. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments
 ATM Series™		Our ATM Series™ Connectors , specifically designed for smaller AWG applications, are designed as an IP68/69K rated (mated), high-performance, cost-effective, thermoplastic solution with superior environmental seals, seal retention capabilities and are designed for use with 16-22AWG with size 20 contacts handling up to 7.5A. Also available in our BoardLock™, SF01 Snap-Fit Caps, SR01 Strain Relief, StructurePlus™, HYPERBUS™ and PanelMate™ Series of connectors. In addition, all of our ATM Series™ connectors have been developed to be completely compatible with all other existing standard products industry-wide. Also available in ATMH Series™ (High Temperature) option. (Increased Operating Temperature of -55°C to +150°C)
 ATP Series™		Our ATP Series™ Connectors are designed as an IP67 rated (mated), high-performance, cost-effective, thermoplastic solution with superior environmental seals, seal retention capabilities and are designed for use with 10-14AWG with size 12 contacts handling up to 25A. Also available in our BoardLock™, StructurePlus™, HYPERBUS™ and PanelMate™ Series of connectors. In addition, all of our ATP Series™ connectors have been developed to be completely compatible with all other existing standard products industry-wide
 AHD Series™		Our AHD Series™ Connectors were developed in response to the overwhelming need for an economic alternative to today's existing diagnostic product options. Designed specifically as a cost-conscious, reliable alternative, intermateable to industry standard 6 and 9 pin connectors, the AHD Series™ is ideal for any situation where either controlled and/or uncontrolled environmental conditions exist. AHD Series™ Connectors offer both a smooth, non-sealing option for controlled applications, as well as an environmentally-sealed, IP67 rated (in mated condition) threaded option for more demanding applications.
 ATHD Series™		Our ATHD Series™ Connectors provide an IP68/69K rated (mated), environmentally sealed connection system and viable solution to field splices and terminals in harsh environments. Safety features include an integral latch to prevent inadvertent disconnect and an audible click, tactile feel provide circuit confirmation. The rugged circular housings can be used as an in-line, BoardLock™ ATHD or easy-to-install sealed flange mount connection system for heavy-duty applications. Also available in ATHD Series™ Cable Assemblies.
 ATHD Series™ Cable Assemblies		Available in Single Position Plugs and Receptacles (Size #8 and #12) Single-ended cordset standard lengths of 1, 2, 4, 5 and 10 Meters. Contact Customer Service for custom cable length options. Our ATHD Series™ Cable Assemblies feature our StructurePlus™ ATHD design, an engineered, one-piece, solid body construction specifically designed for cable assembly operations. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.
 ARB Series™		Our ARB Series™ Connectors are an IP68/69K (in mated condition) rated, rectangular, thermoplastic, heavy-duty, environmentally-sealed, connector series where high pin-counts are required in situations with controlled and/or uncontrolled environmental conditions such as bulkhead applications.

A Series™ - Product Line Overviews, cont.

Product Line	Image	Overview
 ARC Series™		Our ARC Series™ Connectors are a rugged, heavy-duty, environmentally-sealed, rectangular connector series where high pin-counts are required in situations with controlled and/or uncontrolled environmental conditions. Amphenol Sine Systems ARC Series™ Connectors are currently available as In-Line Plugs and Flange Mount Receptacles.
 ATS Series™		Our ATS Series™ Superior Seal Connectors are a high-performance, IP67/69K rated (in mated condition), rectangular, thermoplastic, cost-effective solution for harsh environmental applications with superior seals and seal retention capabilities. The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Receptacles are available in both 90° right angle and 180° straight pin PCB options, as well as traditional in-line options, and have been developed to be compatible with existing standard products industry-wide.
 ATV Series™		Our ATV Series™ Connectors further expands the proven reliability of the AT Series™ with a compact 18 position sealed flange design. The durable, thermoplastic housings feature built-in contact sealing to eliminate individual wire-sealing grommets, while an integral interfacial seal protects mated connectors. The ATV Series™, rated at IP67/69K (mated), is perfectly suited to on and off highway applications, marine, industrial, and agriculture markets in harsh environments.
 ARMORIPX™		Our Armor IPX™ Family of Sealed Enclosures provides superior protection for printed circuit boards and electronic control modules in harsh environments and off-road applications. Available in two (2) sizes, as well as three (3) different material types: Clear or Black Thermoplastic, or Ultem® (Transparent Amber). Simplified installation is accomplished via a rugged tandem through-hole design for ease of mounting and includes optional environmental venting.
 BoardLock™		Our BoardLock™ Connectors combines flanged or flangeless, 180° straight or 90° right angle pin-oriented, wire-to-board versatility with the proven reliability of the A Series™ environmentally-sealed thermoplastic connection system with a maximum current rating up to 100A. Featuring a compact, durable, low-profile and lightweight design, perfect for power or data signal applications. All BoardLock™ product lines accept A Series™ components and are compatible with other industry standard mating connectors. All BoardLock™ variations are IP68 rated (mated).
 DuraLok™		Our DuraLok™ Connectors are a high-density, heavy-duty, IP67 rated (mated), environmentally-sealed connector series available in both Plugs and Receptacles, with three (3) keying options (A, B and C). The robust, integrated locking lever, built directly into the plug housing, ensures a secure mating with the receptacle every time. Featuring a robust, integrated locking lever, built directly into the plug housing, that ensures a secure mating with the receptacle every time.
 DuraMate™		Our DuraMate™ Family of environmentally-sealed, multi-pin, heavy duty, plastic (AHDP) or metal (AHDM/AHDBM) circular connectors provide an economical, quick-connect, bayonet-locking system manufactured to withstand the challenges and complexities of harsh-environment, off-road applications. Our ISOBUS products specifically meet ISO 11783 standards (for control and communications between tractors, implements and software) for agricultural applications.
 HydroNet™		Our HydroNet™ Multi-Hub Adapters and Cables provide flexible and increased reliability when connecting multiple devices to NMEA 2000 networks. The HydroNet™ features two 4 pin AT interfaces and adapts devices to field proven, sealed, and serviceable electrical connections. The adapters are sealed to IP68/69K and are ideal for harsh environments.
 HYPERBUSS™		Our HYPERBUSS™ Family of Receptacle Connectors are IP68 rated (mated), high-performance, cost-effective solutions used in a variety of interconnect applications where a common "bussed" electrical pathway is required. They contain superior environmental seals and seal retention capabilities.

A Series™ - Product Line Overviews, cont.

Product Line	Image	Overview
 MagnaMate™		<p>Our MagnaMate™ ATHP Series Connectors are a rugged, thermoplastic, power connector series featuring the surety and high-performance contact technology of RADSOK®. Designed for various "xEV" applications, MagnaMate™ ATHP is IP67 rated (mated) and available in single or two-pole housings with rated current from 20A to 180A. MagnaMate™ ATHP includes optional integrated HVIL safety features and EMI shielding protection which can withstand temperatures ranging from -40°C to +130°C.</p>
 PanelMate™		<p>Our PanelMate™ Family of Receptacles are engineered with a one-piece, sealed, flanged design for rapid and secure mounting. Their durable, high-temperature, silicone, facial seal provides a barrier of protection from lubricating oils, hydraulic fluids and fossil fuels to withstand the challenges and complexities of harsh environment applications. Also available in a two-piece, sonically-welded, flange design for applications requiring an externally operated connection with 4 pass through holes. All PanelMate™ product lines accept A Series™ components and are compatible with other in-dustry standard mating connectors.</p>
 Structure+™		<p>Our StructurePlus™ Family of overmold compatible connectors are an engineered, one-piece, solid body construction and are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.</p>
 SpeedSplice™		<p>Our SpeedSplice™ product is our field-serviceable splicing solution which can be used to repair damaged electrical connections. Made of silicone rubber with an IP67 rating, our SpeedSplice™ houses an environmentally-sealed, mated pair of contacts, with an Integrated Contact Retention System, ensuring your repairs will withstand harsh environmental conditions. For use with A Series™ Common Contacts in Size 12 & 16 Machined/Stamped & Formed. Available in individual piece or as a Kit.</p>
 ASeries™ Contacts		<p>Amphenol Sine Systems is your trusted component source for precision connector contacts designed for increased reliability and reduced cost. Our A Series™ contacts are readily available in a wide variety of materials and plating combinations and can be supplied with a number of different contact types.</p>
 ASeries™ Boots		<p>Our A Series™ Boots provide an optional protective backshell covering for harsh environmental and industrial applications in -28°C to +100°C conditions. For use with AT, ATM and ATP Series™ connectors that do not include an endcap or shrinkboot strain relief. The boots come in 3 different colors (Yellow, Black and Grey) and are made of high-quality Plastisol.</p>
 ASeries™ Caps		<p>Our A Series™ Caps are a low-cost alternative to using standard connectors with sealing plugs and provide an optional protective covering for harsh environmental and industrial applications. Fully sealed protective plug & receptacle caps are NOW available for the ATM/ATP Series™ as well as our traditional AT Series™ in Black. All caps are IP68 rated (1M of Water for 24 Hrs).</p>
 ASeries™ Clips		<p>Our A Series™ Clips provide an optional method for mounting a variety of our receptacles to our plug connectors, and are available in stainless steel, steel with zinc-plating, and plastic. Available in numerous configurations, our mounting clips are compatible with existing industry-standard connectors.</p>
 ASeries™ Backshells		<p>Our A Series™ Backshells, available in AT, ATM and ATP options (except those with an end cap or shrink boot modification), quickly and securely snap onto standard AT, ATM and ATP plugs and receptacles and provide a higher IP level of protection and allow securely attached convoluted tubing.</p>



AT ATSeries™

715 Piece Standard Connector Kit

Part Number: AT-CK-715



Amphenol Sine Systems' **AT Series™ 715 Piece Standard Connector Kit** contains the plugs, receptacles, wedgelocks, contacts and tool to assist with on-site repairs. Containing all Genuine Trusted Amphenol Parts, you can rest assured that repairs made with these parts will match the same commitment to quality as your original parts.

- To order replacement parts for this **Kit** (P/N: AT-CK-715), or to purchase an **Amphenol Universal Crimping Tool Kit** (P/N: AUTK-100) or an **A Series™ Size 16 Contact Crimping Tool** (P/N: AUTK-16) contact your preferred Distribution Partner or refer to www.amphenol-sine.com/distributors.
- AT Series Contact Insertion and Extraction Assembly Instructions can be found online at www.amphenol-sine.com/assembly-instructions.

AT Series™ connectors are a high-performance, IP68/69K rated (mated), thermoplastic, cost-effective solution with superior environmental seals and seal retention capabilities. The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection.

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.

AT Series™ Key Features

- IP68/69K rated (in mated condition)
- Thermoplastic housing with excellent UV resistance
- Integrated latch for mating ensures a secure connection
- Superior front and rear environmental seals and seal retention
- Compatible with existing standard products industry-wide



Included in Connector Kit

- Plugs, receptacles and wedgelocks for 2, 3, 4, 6, 8 and 12 position
- Machined pin and socket contacts - 14-20AWG range
- Contact and Wedgelock Removal Tool
- Size 16 Blank Seals



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AT Series™ Standard Connector Kit Contents

Image	Part Number	Description	Quantity
	AT06-2S	2 Pos, Plug	24
	AT04-2P	2 Pos, Receptacle	24
	AT06-3S	3 Pos, Plug	10
	AT04-3P	3 Pos, Receptacle	10
	AT06-4S	4 Pos, Plug	12
	AT04-4P	4 Pos, Receptacle	12
	AT06-6S	6 Pos, Plug	6
	AT04-6P	6 Pos, Receptacle	6
	AT06-08SA	8 Pos, Plug, Keyed A	2
	AT04-08PA	8 Pos, Receptacle, Keyed A	2
	AT06-12SA	12 Pos, Plug, Keyed A	2
	AT04-12PA	12 Pos, Receptacle, Keyed A	2

Image	Part Number	Description	Quantity
	AW2S	2 Pos, Plug Wedgelock	24
	AW3S	3 Pos, Plug Wedgelock	10
	AW4S	4 Pos, Plug Wedgelock	12
	AW6S	6 Pos, Plug Wedgelock	6
	AW8S	8 Pos, Plug Wedgelock	2
	AW12S	12 Pos, Plug Wedgelock	2
	AW2P	2 Pos, Recep Wedgelock	24
	AW3P	3 Pos, Recep Wedgelock	10
	AW4P	4 Pos, Recep Wedgelock	12
	AW6P	6 Pos, Recep Wedgelock	6
	AW8P	8 Pos, Recep Wedgelock	2
	AW12P	12 Pos, Recep Wedgelock	2
	A114017	Seal Plug, White	50
	ART-100	Contact and Wedgelock Extraction Tool	1
	AT60-215-16141	Size 16 Pin Contact (14AWG)	110
	AT60-202-16141	Size 16 Pin Contact (16-20AWG)	110
	AT62-209-16141	Size 16 Socket Contact (14AWG)	110
	AT62-201-16141	Size 16 Socket Contact (16-20AWG)	110

Available Tools

Amphenol Universal Crimping Tool Kit
P/N: AUTK-100



A Series™ Size 20/16/12 Contact Crimping Tools
P/Ns: AUTK-20 (Size 20)
AUTK-16 (Size 16)
AUTK-12 (Size 12)



For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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Crimping Tools

Universal Heavy Duty Contact Crimping Tool Kit For Size 20/16/12 Machined Contacts Part Number: AUTK-100

Our **Universal Heavy Duty Contact Crimping Tool Kit** is ideal for use with our wide variety of connectors where Size 20, Size 16 and/or Size 12 machined pin and socket contacts are used, especially within the Heavy Equipment, Agricultural, Automotive, Military, Alternate Energy, and other demanding interconnect architectures.

Kit Contents

- 1 - Universal Heavy Duty Contact Crimping Tool
- 1 - Wire Stripper
- 3 - Positioners (Color Coded)
- 1 - Wedgelock Extraction Tool
- 1 - Go-No-Go Gauge Tool
- 1 - Instruction Sheet



Key Features

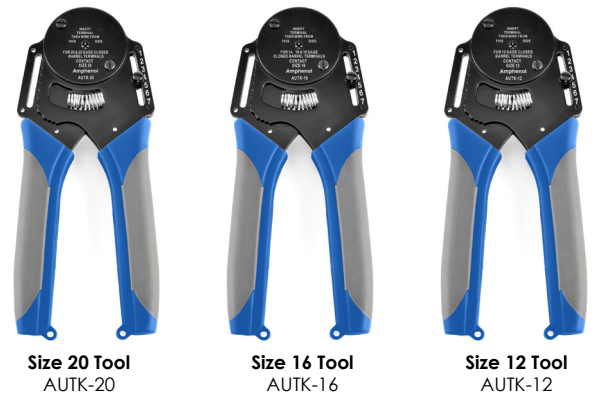
- Size 20 (**Red Positioner**), Size 16 (**Blue Positioner**) and Size 12 (**Yellow Positioner**)
- Industry standard 4 indent/8 impression crimper for reliably secure crimps
- Smooth ratcheting mechanism ensures consistent results every time
- Adjustable dial (1-8 settings) for selection of wire size
- High-quality materials ensure durability and long term wearability

A Series™ Contact Crimping Tools For Size 20/16/12 Machined Contacts

Our **Contact Crimping Tools** are available for Size 20, Size 16 and Size 12 machined pin and socket contacts and are ideal for use with our **A Series™ Family** of sealed heavy-duty, multi-pin plastic and metal connectors. The connectors were developed as a high-performance, cost-effective solution for use with Heavy Equipment, Agricultural, Automotive, Military, Alternate Energy, and other demanding interconnect architectures. The A Series™ Family bridges the gap between controlled and harsh environmental conditions to keep you connected.

Key Features

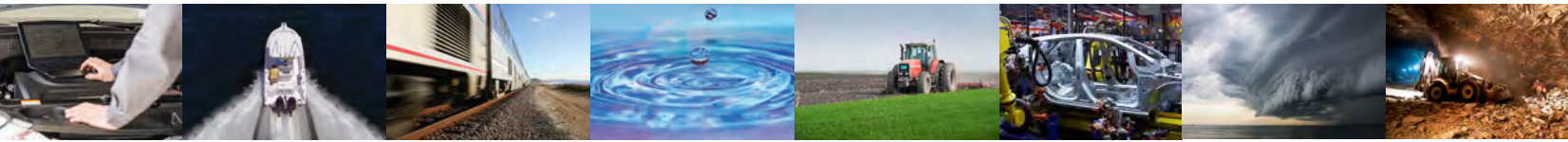
- We offer three (3) different Contact Crimping Tools based on contact size:
 - **Size 20 Tool** - P/N: AUTK-20
 - **Size 16 Tool** - P/N: AUTK-16
 - **Size 12 Tool** - P/N: AUTK-12
- Industry standard 4 indent/8 impression crimper for reliably secure crimps
- Smooth ratcheting mechanism ensures consistent results every time
- Adjustable crimping force (1-7 settings) provides adaptability to a variety of contacts
- High-quality materials ensure durability and long term wearability



✓ **Genuine Trusted Amphenol Parts**

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A Series™

Pick Your Color

Our A Series™ Family of heavy duty, multi-pin, thermoplastic, rectangular connectors encompass a wide range of products, serving a variety of industries, and **come in a variety of color modifications for your specific needs.**

Colors are often used to help differentiate between keying options, but **we also offer color modifications across a large number of our A Series™ product lines for your specific project needs.**



Available color modifications:

Grey	Blue	Green
Brown	White	Red
Black	Yellow	Orange



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A A Series™ Backshells



Available in AT, ATM and ATP Series™

Amphenol Sine Systems' **A Series™ Backshells** quickly and securely snap onto standard AT, ATM and ATP Series™ plugs and receptacles (except those with end cap or shrink boot modification) for a higher level of IP protection and help to facilitate securely attaching convoluted tubing.

Potential Markets: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments

AT Series™ - Backshells (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

Image	Part Number	Description	Material
	ATBS-227-0205	Backshell for 2 Position, Plug, AT Series™, Straight, Black Body, Compatible with AT06-2S	Thermoplastic
	ATBS-229-0205	Backshell for 2 Position, Receptacle, AT Series™, Straight, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-2P	Thermoplastic
	ATBS-255-0205	Backshell for 2 Position, Plug, AT Series™, Straight, Internal Strain Relief, Black Body, Compatible with AT06-2S	Thermoplastic
	ATBS-257-0205	Backshell for 2 Position, Receptacle, AT Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-2P	Thermoplastic
	ATBS-231-0305	Backshell for 3 Position, Plug, AT Series™, Straight, Black Body, Compatible with AT06-3S	Thermoplastic
	ATBS-233-0305	Backshell for 3 Position, Receptacle, AT Series™, Straight, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-3P	Thermoplastic



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Image	Part Number	Description	Material
	ATBS-234-0305	Backshell for 3 Position, Receptacle, AT Series™, 90° Right Angle, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-3P	Thermoplastic
	ATBS-262-0305	Backshell for 3 Position, Receptacle, AT Series™, 90° Right Angle, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-3P	Thermoplastic
	ATBS-259-0305	Backshell for 3 Position, Plug, AT Series™, Straight, Internal Strain Relief, Black Body, Compatible with AT06-3S	Thermoplastic
	ATBS-261-0305	Backshell for 3 Position, Receptacle, AT Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-3P	Thermoplastic
	ATBS-235-0405	Backshell for 4 Position, Plug, AT Series™, Straight, Black Body, Compatible with AT06-4S	Thermoplastic
	ATBS-237-0405	Backshell for 4 Position, Receptacle, AT Series™, Straight, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-4P	Thermoplastic
	ATBS-263-0405	Backshell for 4 Position, Plug, AT Series™, Straight, Internal Strain Relief, Black Body, Compatible with AT06-4S	Thermoplastic
	ATBS-265-0405	Backshell for 4 Position, Receptacle, AT Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-4P	Thermoplastic
	ATBS-239-0605	Backshell for 6 Position, Plug, AT Series™, Straight, Black Body, Compatible with AT06-6S	Thermoplastic
	ATBS-241-0605	Backshell for 6 Position, Receptacle, AT Series™, Straight, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-6P	Thermoplastic
	ATBS-267-0605	Backshell for 6 Position, Plug, AT Series™, Straight, Internal Strain Relief, Black Body, Compatible with AT06-6S	Thermoplastic



Image	Part Number	Description	Material
	ATBS-269-0605	Backshell for 6 Position, Receptacle, AT Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-6P	Thermoplastic
	ATBS-243-0805	Backshell for 8 Position, Plug, AT Series™, Straight, Black Body, Compatible with Keyed 08A, 08B, 08C, and 08D	Thermoplastic
	ATBS-245-0805	Backshell for 8 Position, Receptacle, AT Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with AT04-08P, A, B, C, D Keying	Thermoplastic
	ATBS-043-1205	Backshell for 12 Position, Plug, AT Series™, Straight, Black Body, Compatible with Keyed 12A, 12B, 12C, and 12D	Thermoplastic
	ATBS-249-1205	Backshell for 12 Position, Receptacle, AT Series™, Straight, Enhanced Dovetail for Mounting Clips, Internal Strain Relief, Black Body, Compatible with AT04-12P, A, B, C, D Keying	Thermoplastic
	ATBS-PS-1805	Backshell for 15 & 18 Position, Plug, AT Series™, Straight, Black Body, Compatible with AT16-18P/SX-* or AT16-15P/SX-*	Thermoplastic

ATM/ATMH Series™ - Backshells (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

	ATMBS-021-0205	Backshell for 2 Position, Receptacle, ATM/ATMH Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with ATM06-2P	Thermoplastic
	ATMBS-041-0205	Backshell for 2 Position, Plug, ATM/ATMH Series™, Straight, Black Body, Compatible with ATM06-2S	Thermoplastic
	ATMBS-005-0305	Backshell for 3 Position, Plug, ATM Series™, Straight, Black Body, Compatible with ATM06-2S	Thermoplastic
	ATMBS-024-0305	Backshell for 3 Position, Receptacle, ATM Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with ATM06-2P	Thermoplastic
	ATMBS-008-0405	Backshell for 4 Position, Plug, ATM Series™, Straight, Black Body, Compatible with ATM06-4S	Thermoplastic

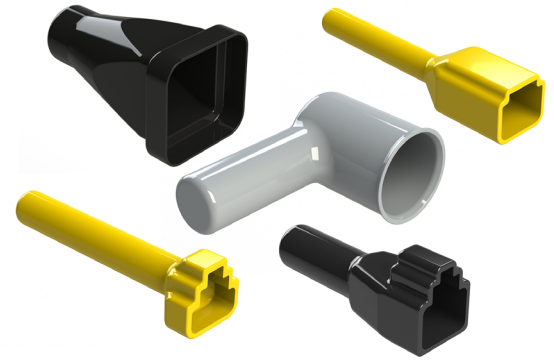
Image	Part Number	Description	Material
	ATMBS-027-0405	Backshell for 4 Position, Receptacle, ATM Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with ATM06-4P	Thermoplastic
	ATMBS-016-0005	Backshell for 2, 3, 4 Position, Plug, ATM Series™, 90° Right Angle, Black Body, Compatible with ATMBS-273-0205, ATMBS-005-0305 and ATMBS-008-0405	Thermoplastic
	ATMBS-011-0605	Backshell for 6 Position, Plug, ATM Series™, Straight, Black Body	Thermoplastic
	ATMBS-030-0605	Backshell for 6 Position, Receptacle, ATM Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with ATM04-6P	Thermoplastic
	ATMBS-013-0805	Backshell for 8 Position, Plug, ATM Series™, Straight, Black Body	Thermoplastic
	ATMBS-031-0805	Backshell for 8 Position, Receptacle, ATM Series™, Straight, Internal Strain Relief, Enhanced Dovetail for Mounting Clips, Black Body, Compatible with ATM04-08P, A, B, C, D Keying	Thermoplastic
	ATMBS-015-1205	Backshell for 12 Position, Plug, ATM Series™, Straight, Black Body, Compatible with Keyed ATM12A, ATM12B, ATM12C, and ATM12D	Thermoplastic
	ATMBS-034-1205	Backshell for 12 Position, Receptacle, ATM Series™, Straight, Black Body, Compatible with Keyed ATM12A, ATM12B, ATM12C, and ATM12D	Thermoplastic

ATP Series™ - Backshells (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

	ATPBS8-2-NC12	Backshell for 2 Position, Plug or Receptacle, ATP Series™, Straight, Black Body, Compatible with ATP06-2S-EC01/MM01 and ATP04-2P-EC01/MM01	Thermoplastic
	ATP06-4S-NC12	Backshell for 4 Position, Plug or Receptacle, ATP Series™, Straight, Black Body, Compatible with ATP04-4P-EC*, ATP04-4P-MM*, ATP04-4P-PM*EC*, ATP06-4S-EC*, ATP06-4S-MM*	Thermoplastic



A Series™ Boots



Protective Backshell Boots

Available for a wide variety of A Series™ product lines

Amphenol Sine Systems' **A Series™ Boots** provide an optional protective backshell covering for harsh environmental and industrial applications in -29°C to +100°C conditions. Currently available for use with **ARB, AT, ATM, ATP** and **DuraMate Series™** connectors that do not include an endcap or shrinkboot strain relief.

The boots come in a variety of colors (Yellow, Black and Grey) and are made of high-quality PVC.

Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments



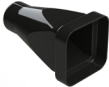


A Series™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732



ARB Series™ - Boots

Image	Part Number	Description	Material	Temperature Range
	ARB48-BT	48 & 60 Pos. Boot, Straight, ARB Series™, PVC, Black Body	PVC	-29°C to +100°C
	ARB102-BT	102 & 128 Pos. Boot, Straight, ARB Series™, PVC, Black Body	PVC	-29°C to +100°C
	ARB102-BT-RA	102 & 128 Pos. Boot, Right Angle, ARB Series™, PVC, Black Body	PVC	-29°C to +100°C

AT Series™ - Boots

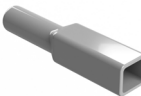
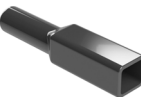
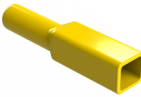

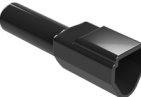
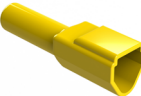




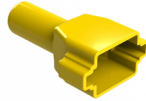


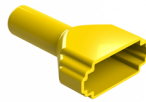
Image	Part Number	Description	Material	Temperature Range
	AT2P-BT	2 Position, Receptacle Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT2P-BT-BK	2 Position, Receptacle Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT2P-BT-YW	2 Position, Receptacle Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT3P-BT	3 Position, Receptacle Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT3P-BT-BK	3 Position, Receptacle Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT3P-BT-YW	3 Position, Receptacle Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT4P-BT	4 Position, Receptacle Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT4P-BT-BK	4 Position, Receptacle Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	AT4P-BT-YW	4 Position, Receptacle Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT6P-BT	6 Position, Receptacle Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT6P-BT-BK	6 Position, Receptacle Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT6P-BT-YW	6 Position, Receptacle Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT8P-BT	8 Position, Receptacle Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT8P-BT-BK	8 Position, Receptacle Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT8P-BT-YW	8 Position, Receptacle Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT12P-BT	12 Position, Receptacle Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT12P-BT-BK	12 Position, Receptacle Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT12P-BT-YW	12 Position, Receptacle Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT2S-BT	2 Position, Plug Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	AT2S-BT-BK	2 Position, Plug Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT2S-BT-YW	2 Position, Plug Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT3S-BT	3 Position, Plug Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT3S-BT-BK	3 Position, Plug Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT3S-BT-YW	3 Position, Plug Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT4S-BT	4 Position, Plug Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT4S-BT-BK	4 Position, Plug Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT4S-BT-YW	4 Position, Plug Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT6S-BT	6 Position, Plug Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT6S-BT-BK	6 Position, Plug Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT6S-BT-YW	6 Position, Plug Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	AT8S-BT	8 Position, Plug Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT8S-BT-BK	8 Position, Plug Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT8S-BT-YW	8 Position, Plug Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	AT12S-BT	12 Position, Plug Boot, AT Series™, PVC, Grey Body	PVC	-29°C to +100°C
	AT12S-BT-BK	12 Position, Plug Boot, AT Series™, PVC, Black Body	PVC	-29°C to +100°C
	AT12S-BT-YW	12 Position, Plug Boot, AT Series™, PVC, Yellow Body	PVC	-29°C to +100°C

ATM Series™ - Boots

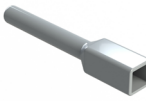

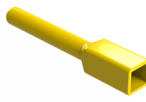
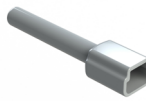

Image	Part Number	Description	Material	Temperature Range
	ATM2P-BT	2 Position, Receptacle Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM2P-BT-BK	2 Position, Receptacle Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM2P-BT-YW	2 Position, Receptacle Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM3P-BT	3 Position, Receptacle Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM3P-BT-BK	3 Position, Receptacle Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	ATM3P-BT-YW	3 Position, Receptacle Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM4P-BT	4 Position, Receptacle Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM4P-BT-BK	4 Position, Receptacle Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM4P-BT-YW	4 Position, Receptacle Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM6P-BT	6 Position, Receptacle Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM6P-BT-BK	6 Position, Receptacle Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM6P-BT-YW	6 Position, Receptacle Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM8P-BT	8 Position, Receptacle Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM8P-BT-BK	8 Position, Receptacle Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM8P-BT-YW	8 Position, Receptacle Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM12P-BT	12 Position, Receptacle Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	ATM12P-BT-BK	12 Position, Receptacle Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM12P-BT-YW	12 Position, Receptacle Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM2S-BT	2 Position, Plug Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM2S-BT-BK	2 Position, Plug Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM2S-BT-YW	2 Position, Plug Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM3S-BT	3 Position, Plug Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM3S-BT-BK	3 Position, Plug Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM3S-BT-YW	3 Position, Plug Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM4S-BT	4 Position, Plug Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM4S-BT-BK	4 Position, Plug Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM4S-BT-YW	4 Position, Plug Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	ATM6S-BT	6 Position, Plug Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM6S-BT-BK	6 Position, Plug Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM6S-BT-YW	6 Position, Plug Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM8S-BT	8 Position, Plug Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM8S-BT-BK	8 Position, Plug Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM8S-BT-YW	8 Position, Plug Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATM12S-BT	12 Position, Plug Boot, ATM Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATM12S-BT-BK	12 Position, Plug Boot, ATM Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATM12S-BT-YW	12 Position, Plug Boot, ATM Series™, PVC, Yellow Body	PVC	-29°C to +100°C

ATP Series™ - Boots

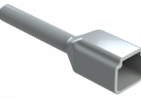

	ATP2P-BT	2 Position, Receptacle Boot, ATP Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATP2P-BT-BK	2 Position, Receptacle Boot, ATP Series™, PVC, Black Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	ATP2P-BT-YW	2 Position, Receptacle Boot, ATP Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATP4P-BT	4 Position, Receptacle Boot, ATP Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATP4P-BT-BK	4 Position, Receptacle Boot, ATP Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATP4P-BT-YW	4 Position, Receptacle Boot, ATP Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATP6P-BT	6 Position, Receptacle Boot, ATP Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATP6P-BT-BK	6 Position, Receptacle Boot, ATP Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATP6P-BT-YW	6 Position, Receptacle Boot, ATP Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATP2S-BT	2 Position, Plug Boot, ATP Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATP2S-BT-BK	2 Position, Plug Boot, ATP Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATP2S-BT-YW	2 Position, Plug Boot, ATP Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATP4S-BT	4 Position, Plug Boot, ATP Series™, PVC, Grey Body	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	ATP4S-BT-BK	4 Position, Plug Boot, ATP Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATP4S-BT-YW	4 Position, Plug Boot, ATP Series™, PVC, Yellow Body	PVC	-29°C to +100°C
	ATP6S-BT	6 Position, Plug Boot, ATP Series™, PVC, Grey Body	PVC	-29°C to +100°C
	ATP6S-BT-BK	6 Position, Plug Boot, ATP Series™, PVC, Black Body	PVC	-29°C to +100°C
	ATP6S-BT-YW	6 Position, Plug Boot, ATP Series™, PVC, Yellow Body	PVC	-29°C to +100°C

DuraMate™ AHDP & AHDM Series - Boots









	AHDPM18-BT	Shell Size 18, Boot, for DuraMate™ AHDP (SRA only) & AHDM, PVC, Grey Color	PVC	-29°C to +100°C
	AHDPM18-BT-BK	Shell Size 18, Boot, for DuraMate™ AHDP (SRA only) & AHDM, PVC, Black Color	PVC	-29°C to +100°C
	AHDPM18-BT-RA	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color	PVC	-29°C to +100°C
	AHDPM18-BT-RA-BK	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color	PVC	-29°C to +100°C
	AHDPM24-BT	Shell Size 24, Boot, for DuraMate™ AHDP (SRA only) & AHDM, PVC, Grey Color	PVC	-29°C to +100°C

Image	Part Number	Description	Material	Temperature Range
	AHDPM24-BT-BK	Shell Size 24, Boot, for DuraMate™ AHDP (SRA only) & AHDM, PVC, Black Color	PVC	-29°C to +100°C
	AHDPM24-BT-RA	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color	PVC	-29°C to +100°C
	AHDPM24-BT-RA-BK	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color	PVC	-29°C to +100°C



A Series™ Caps



Protective Caps

Available for AT, ATM and ATP Series

Amphenol Sine Systems' **A Series™ Caps** are a low-cost, alternative to using standard connectors with sealing plugs and provide an optional protective covering for dust and other harsh, environmental and industrial elements. Protective plug & receptacle caps are IP67, IP68 and/or IP69K rated (in mated condition), depending on Series, and available across a variety of our A Series™ product lines in Thermoplastic, Elastomer and Plastisol materials.

Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments

AT Series™ - Protective Caps

Image	Part Number	Description	Material	Temperature
	AT06-2S-CAP	2 Position, Protective Cap, Plug, AT Series™, Black Body	Thermoplastic	-55°C to +125°C
	AT06-3S-CAP	3 Position, Protective Cap, Plug, AT Series™, Black Body	Thermoplastic	-55°C to +125°C
	AT06-4S-CAP	4 Position, Protective Cap, Plug, AT Series™, Black Body	Thermoplastic	-55°C to +125°C
	AT06-6S-CAP	6 Position, Protective Cap, Plug, AT Series™, Black Body	Thermoplastic	-55°C to +125°C
	AT06-08S-CAP	8 Position, Protective Cap, Plug, AT Series™, Black Body	Thermoplastic	-55°C to +125°C
	AT06-12S-CAP	12 Position, Protective Cap, Plug, AT Series™, Black Body	Thermoplastic	-55°C to +125°C

IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)

IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)

IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)




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AT Series™ - Protective Caps













Image	Part Number	Description	Material	Temperature
	AT13P-RSC-BLK	13 Position, Receptacle Seal Cap, AT Series™, Black Body. Use with AT1612-13PB*	Thermoplastic	-55°C to +125°C
	AT16-1518S-CAP	12/15/18 Position, Protective Cap, Plug, AT Series™, Black Body. Use with AT06-12S*, AT06-15S* or AT06-18S*	Thermoplastic	-55°C to +125°C
	AT18P-RSC-BLK	12/15/18 Position, Receptacle Seal Cap, AT Series™, Black Body. Use with AT04-12P*, AT04-15P* or AT04-18P*	Thermoplastic Elastomer	-55°C to +125°C
	AT18P-RSC-RED	12/15/18 Position, Receptacle Seal Cap, AT Series™, Red Body. Use with AT04-12P*, AT04-15P* or AT04-18P*	Thermoplastic Elastomer	-55°C to +125°C
	AT2P-DC	2 Position, Protective Cap, Receptacle, AT Series™, Grey Body	Plastisol	-29°C to +100°C
	AT2P-DC-BK	2 Position, Protective Cap, Receptacle, AT Series™, Black Body	Plastisol	-29°C to +100°C
	AT3P-DC	3 Position, Protective Cap, Receptacle, AT Series™, Grey Body	Plastisol	-29°C to +100°C
	AT3P-DC-BK	3 Position, Protective Cap, Receptacle, AT Series™, Black Body	Plastisol	-29°C to +100°C
	AT4P-DC	4 Position, Protective Cap, Receptacle, AT Series™, Grey Body	Plastisol	-29°C to +100°C
	AT4P-DC-BK	4 Position, Protective Cap, Receptacle, AT Series™, Black Body	Plastisol	-29°C to +100°C
	AT6P-DC	6 Position, Protective Cap, Receptacle, AT Series™, Grey Body	Plastisol	-29°C to +100°C
	AT6P-DC-BK	6 Position, Protective Cap, Receptacle, AT Series™, Black Body	Plastisol	-29°C to +100°C
	AT8P-DC	8 Position, Protective Cap, Receptacle, AT Series™, Grey Body	Plastisol	-29°C to +100°C
	AT8P-DC-BK	8 Position, Protective Cap, Receptacle, AT Series™, Black Body	Plastisol	-29°C to +100°C
	AT12P-DC	12 Position, Protective Cap, Receptacle, AT Series™, Grey Body	Plastisol	-29°C to +100°C
	AT12P-DC-BK	12 Position, Protective Cap, Receptacle, AT Series™, Black Body	Plastisol	-29°C to +100°C

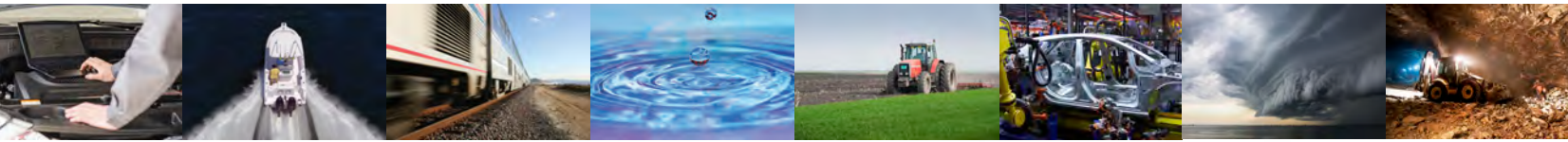
ATM Series™ - Protective Caps

Image	Part Number	Description	Material	Temperature
	ATM04-2P-CAP	2 Position, Protective Cap, Receptacle, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM04-3P-CAP	3 Position, Protective Cap, Receptacle, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM04-4P-CAP	4 Position, Protective Cap, Receptacle, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-08SA-CAP	8 Position, Protective Cap, Plug, ATM Series™, Keyed A (Grey Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-08SB-CAP	8 Position, Protective Cap, Plug, ATM Series™, Keyed B (Black Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-08SC-CAP	8 Position, Protective Cap, Plug, ATM Series™, Keyed C (Green Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-08SD-CAP	8 Position, Protective Cap, Plug, ATM Series™, Keyed D (Brown Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-12SA-CAP	12 Position, Protective Cap, Plug, ATM Series™, Keyed A (Grey Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-12SB-CAP	12 Position, Protective Cap, Plug, ATM Series™, Keyed B (Black Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-12SC-CAP	12 Position, Protective Cap, Plug, ATM Series™, Keyed C (Green Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-12SD-CAP	12 Position, Protective Cap, Plug, ATM Series™, Keyed D (Brown Insert), Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-2S-CAP	2 Position, Protective Cap, Plug, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-3S-CAP	3 Position, Protective Cap, Plug, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-4S-CAP	4 Position, Protective Cap, Plug, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM06-6S-CAP	6 Position, Protective Cap, Plug, ATM Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATM12P-DC	12 Position, Protective Cap, Receptacle, ATM Series™, Grey Body	Plastisol	-29°C to +100°C

	ATM12P-DC-BK	12 Position, Protective Cap, Receptacle, ATM Series™, Black Body	Plastisol	-29°C to +100°C
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ATP Series™ - Protective Caps

Image	Part Number	Description	Material	Temperature
	ATP04-2P-CAP	2 Position, Protective Cap, Receptacle, ATP Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATP04-4P-CAP	4 Position, Protective Cap, Receptacle, ATP Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATP04-6P-CAP	6 Position, Protective Cap, Receptacle, ATP Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATP06-2S-CAP	2 Position, Protective Cap, Plug, ATP Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATP06-4S-CAP	4 Position, Protective Cap, Plug, ATP Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATP06-6S-CAP	6 Position, Protective Cap, Plug, ATP Series™, Grey Body	Thermoplastic	-55°C to +125°C
	ATP2P-DC	2 Position, Protective Cap, Receptacle, ATP Series™, Grey Body	Plastisol	-29°C to +100°C
	ATP2P-DC-BK	2 Position, Protective Cap, Receptacle, ATP Series™, Black Body	Plastisol	-29°C to +100°C
	ATP4P-DC	4 Position, Protective Cap, Receptacle, ATP Series™, Grey Body	Plastisol	-29°C to +100°C
	ATP4P-DC-BK	4 Position, Protective Cap, Receptacle, ATP Series™, Black Body	Plastisol	-29°C to +100°C
	ATP6P-DC	6 Position, Protective Cap, Receptacle, ATP Series™, Grey Body	Plastisol	-29°C to +100°C
	ATP6P-DC-BK	6 Position, Protective Cap, Receptacle, ATP Series™, Black Body	Plastisol	-29°C to +100°C



A Series™ Clips

Metal and Plastic Mounting Clip Options



Amphenol Sine Systems' **A Series™ Clips** provide an optional method for mounting a variety of our receptacles to our plug connectors, and are available in stainless steel, steel with zinc-plating, and plastic. Available in numerous configurations, our mounting clips are compatible with existing industry-standard connectors.

Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments

Image	Part Number	Description	Material
	AT27-001-0800	Mounting Clip (for AT), 8 Position, 0.433" [11.00 mm] Dia. Hole	Stainless Steel
	AT27-002-0800	Mounting Clip (for AT), 8 Position, 0.512" [13.00 mm] Dia. Hole	Steel, Zinc-Plating
	AT27-006-0800	Mounting Clip (for AT), 8 Position, 0.512" [13.00 mm] Dia. Hole	Stainless Steel
	AT27-014-0800	Mounting Clip (for AT), 8 Position, 0.323" [8.20 mm] Dia. Hole	Steel, Zinc-Plating
	AT27-003-1200	Mounting Clip (for AT, ATM, ATP, ATV, ATHD) 2, 3, 4, 6, 12 Pos, 0.433" [11.00 mm] Dia. Hole	Stainless Steel
	AT27-004-1200	Mounting Clip (for AT, ATM, ATP, ATV, ATHD) 2, 3, 4, 6, 12 Position, 0.512" [13.00 mm] Dia. Hole	Steel, Zinc-Plating
	AT27-005-1200	Mounting Clip (for AT, ATM, ATP, ATV, ATHD) 2, 3, 4, 6, 12 Position, 0.512" [13.00 mm] Dia. Hole	Stainless Steel
	AT27-007-1200	Side Mounting Clip (for AT, ATM, ATP, ATV, ATHD), No Hole	Steel, Zinc-Plating
	AT27-008-1200	Side Mounting Clip (for AT, ATM, ATP, ATV, ATHD), 0.433" [11mm] Dia. Hole	Steel, Zinc-Plating
	AT27-009-1200	Side Mounting Clip (for AT, ATM, ATP, ATV, ATHD), 0.511" [13mm] Dia. Hole	Steel, Zinc-Plating
	AT27-017-1200	Side Mounting Clip (for AT, ATM, ATP, ATV, ATHD), 0.322" [8.2mm] Dia. Hole	Steel, Zinc-Plating
	AT11-026-0205	Mounting Clip (for AT, ATM, ATP, ATV, ATHD) 2, 3, 4, 6, 12 Position, Grey	Polyamide (PA)
	AT11-027-0805	Mounting Clip (for AT), 8 Position, Grey	Polyamide (PA)
	AT11-030-0205	Mounting Clip (for AT, ATM, ATP, ATV, ATHD) 2, 3, 4, 6, 12 Position, Black	Polyamide (PA)
	AT11-310-0205	Mounting Clip (for AT, ATM, ATP, ATV, ATHD) 2, 3, 4, 6, 12 Position, Black, Free Stud Mount	Polyamide (PA)
AT11-VCLIP	Zip-Tie Cable Attachment Clip, (for AT, ATM, ATP) Black	Thermoplastic	



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A A Series™ Contacts

Machined and Stamped & Formed Contacts for use with A Series™ Products

Amphenol Sine Systems is your trusted component source for precision connector contacts designed for increased reliability and reduced cost. Our A Series™ contacts are readily available in a wide variety of materials and plating combinations and can be supplied with a number of different contact types. Also available are sealing plug and keying pin variations.

Machined Contacts

Designed for heavy duty applications, these solid contacts will accommodate greater wire sizes

- Wire Size Range: 4AWG to 24AWG (25 - 0.25mm²)
- Available in Size 4, 8, 12, 16 and 20, in both Pin and Socket
- Current Ratings up to 100A
- Copper Alloy, Nickel-Plated
- Gold plating options available



Stamped & Formed Contacts

Precision engineered stamped & formed design provides cost effective wire processing, while ensuring high reliability conductor termination and performance

- Wire Size Range: 10AWG to 22AWG (6.0 - 0.35mm²)
- Available in Size 12, 16 and 20, in both Pin and Socket
- Current Ratings up to 25A
- Copper Alloy, Nickel-Plated
- Gold and Tin plating options available
- Available in Loose Piece (-LP) Packaging



A A Series™ Family



Heavy Duty, Multi-Pin Plastic and Metal Connectors

Amphenol Sine Systems' **A Series™ Family** of sealed, heavy-duty, multi-pin plastic and metal connectors is made up of 20+ core product lines serving many industries and bridges the gap between controlled and harsh environmental conditions to keep you connected. The connectors were developed as a high-performance, cost-effective solution for use with Heavy Equipment, Agricultural, Automotive, Military, Alternate Energy, and other demanding interconnect architectures.



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A Series™ Contacts - Machined

Part Number	Works with the following Series™	Type	Style	Size	Amp	AWG Range	Insul OD	Plating
AT60-203-04141-4	DuraMate, ARB	Pin	Machined	4	100A	4AWG	n/a	Nickel
AT60-203-0431-4	AT, ARB	Pin	Machined	4	100A	4AWG	n/a	Gold
AT60-204-0490	ATHD, DuraMate, ARB	Pin	Machined	4	100A	6AWG	n/a	Nickel
AT60-204-08141-16	DuraMate	Pin	Machined	8	60A	6AWG	n/a	Nickel
AT60-204-08141	ATHD, DuraMate	Pin	Machined	8	60A	8-10AWG	n/a	Nickel
65-54749	ATP, AHD-9	Pin	Machined	12	25A	18-20AWG	n/a	Gold
AT60-204-12141	ATHD, ATP, AHD-6, DuraMate, PanelMate	Pin	Machined	12	25A	12-14AWG	n/a	Nickel
AT60-220-1231	ATHD, ATP, AHD-6, DuraMate, PanelMate	Pin	Machined	12	25A	12-14AWG	n/a	Gold
AT60-204-12NKIT	ATP	Pin	Machined	12	25A	12-14AWG	n/a	Nickel
AT60-204-12141-10	ATP	Pin	Machined	12	25A	10-12AWG	n/a	Nickel
AT60-220-1234-1618	AHD, ATP	Pin	Machined	12	25A	16-18AWG	n/a	Gold
65-54756	AT, AHD-9	Pin	Machined	16	13A	14-20AWG	n/a	Gold
AT60-202-16NKIT	AT, AHD-9, DuraMate, ARC Series	Pin	Machined	16	13A	16-20AWG	n/a	Nickel
AT60-202-16141	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Machined	16	13A	16-20AWG	n/a	Nickel
AT60-202-1631	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Machined	16	13A	16-20AWG	n/a	Gold
AT60-215-16141	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Machined	16	13A	14AWG	n/a	Nickel
AT60-215-1631	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Machined	16	13A	14AWG	n/a	Gold
AT60-202-16141-22	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Machined	16	13A	22-24AWG	n/a	Nickel
AT60-202-1631-22	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Machined	16	13A	22-24AWG	n/a	Gold
AT60-202-20NKIT	ATM, DuraMate	Pin	Machined	20	7.5A	18-22AWG	n/a	Nickel
AT60-202-20141	ATM, DuraMate, PanelMate	Pin	Machined	20	7.5A	20-22AWG	n/a	Nickel
AT60-202-2031	ATM, DuraMate, PanelMate	Pin	Machined	20	7.5A	20-22AWG	n/a	Gold
AT60-010-20141	ATM, DuraMate, PanelMate	Pin	Machined	20	7.5A	16-18AWG	n/a	Nickel
AT60-010-2031	ATM, DuraMate, PanelMate	Pin	Machined	20	7.5A	16-18AWG	n/a	Gold

AT62-203-04141-4	DuraMate	Socket	Machined	4	100A	4AWG	n/a	Nickel
AT62-203-0431-4	AT	Socket	Machined	4	100A	4AWG	n/a	Gold
AT62-203-04141	ATHD, DuraMate	Socket	Machined	4	100A	6AWG	n/a	Nickel
AT62-203-08141-16	DuraMate	Socket	Machined	8	60A	6AWG	n/a	Nickel
AT62-203-08141	ATHD, DuraMate	Socket	Machined	8	60A	8-10AWG	n/a	Nickel
AT62-203-12141	ATHD, ATP, AHD-6, DuraMate, PanelMate	Socket	Machined	12	25A	12-14AWG	n/a	Nickel
AT62-210-1231	ATHD, ATP, AHD-6, DuraMate, PanelMate	Socket	Machined	12	25A	12-14AWG	n/a	Gold
AT62-203-12NKIT	ATP	Socket	Machined	12	25A	12-14AWG	n/a	Nickel
AT62-210-1231-1820	ATP, AHD-6	Socket	Machined	12	25A	12-14AWG	n/a	Gold
AT62-203-12141-10	ATP	Socket	Machined	12	25A	10-12AWG	n/a	Nickel
AT62-210-1231-1618	AHD, ATP	Socket	Machined	12	25A	16-18AWG	n/a	Gold
AT62-201-16NKIT	AT, AHD-9, DuraMate, ARC Series	Socket	Machined	16	13A	16-20AWG	n/a	Nickel
M39029/5-117	AT	Socket	Machined	16	13A	20AWG	n/a	Gold
AT62-201-16141	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Machined	16	13A	16-20AWG	n/a	Nickel
AT62-201-1631	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Machined	16	13A	16-20AWG	n/a	Gold
AT62-209-16141	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Machined	16	13A	14AWG	n/a	Nickel
AT62-209-1631	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Machined	16	13A	14AWG	n/a	Gold
AT62-201-16141-22	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Machined	16	13A	22-24AWG	n/a	Nickel
AT62-201-1631-22	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Machined	16	13A	22-24AWG	n/a	Gold
AT62-20-0422	ATM, DuraMate	Socket	Machined	20	7.5A	20-22AWG	n/a	Nickel
AT62-20-0444	ATM, DuraMate	Socket	Machined	20	7.5A	20-22AWG	n/a	Gold
AT62-201-20NKIT	ATM, DuraMate	Socket	Machined	20	7.5A	20-22AWG	n/a	Nickel
AT62-201-20141	ATM, DuraMate, PanelMate	Socket	Machined	20	7.5A	20AWG	n/a	Nickel
AT62-201-2031	ATM, DuraMate, PanelMate	Socket	Machined	20	7.5A	20AWG	n/a	Gold
AT62-005-20141	ATM, DuraMate, PanelMate	Socket	Machined	20	7.5A	16-18AWG	n/a	Nickel
AT62-005-2031	ATM, DuraMate, PanelMate	Socket	Machined	20	7.5A	16-18AWG	n/a	Gold

A Series™ Contacts - Stamped & Formed (-LP indicates available in Loose Piece Packaging)

Part Number	Works with the following Series™	Type	Style	Size	Amp	AWG Range	Insul OD	Plating
AT60-12-0144	ATP, AHD-6, DuraMate, PanelMate	Pin	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Gold
AT60-12-0166	ATP, AHD-6, DuraMate, PanelMate	Pin	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Nickel
AT60-12-0166-LP	ATP, AHD-6, DuraMate, PanelMate	Pin	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Nickel
AT60-12-0177	ATP, AHD-6, DuraMate	Pin	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Tin
AT60-12-0222	ATP, DuraMate, PanelMate	Pin	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Nickel
AT60-12-0222-LP	ATP, DuraMate, PanelMate	Pin	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Nickel
AT60-12-0244	ATP, DuraMate, PanelMate	Pin	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Gold
AT60-12-0277	AT, DuraMate	Pin	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Tin
AT60-14-0122	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Nickel
AT60-14-0122-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Nickel
AT60-14-0144	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Gold
AT60-14-0177	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Tin
AT60-16-0122	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Nickel
AT60-16-0122-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Nickel
AT60-16-0144	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Gold
AT60-16-0144-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Gold
AT60-16-0177	AT, AHD-9, DuraMate	Pin	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Tin
AT60-16-0322	AT, AHD-9, DuraMate	Pin	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Nickel
AT60-16-0344	AT, AHD-9, DuraMate	Pin	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Gold
AT60-16-0377	AT, AHD-9, DuraMate	Pin	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Tin
AT60-16-0622	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Nickel
AT60-16-0622-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Nickel
AT60-16-0644	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Gold
AT60-16-0644-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Gold
AT60-16-0677	AT, AHD-9, DuraMate	Pin	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Tin
AT60-16-0822	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Nickel
AT60-16-0844	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Pin	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Gold
AT60-16-0877	AT, AHD-9, DuraMate	Pin	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Tin
AT60-20-0122	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Nickel
AT60-20-0122-LP	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Nickel
AT60-20-0144	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Gold
AT60-20-0144-LP	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Gold
AT60-20-0177	ATM, DuraMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Tin
AT60-20-0222	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.30 - 2.16mm	Nickel
AT60-20-0244	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.30 - 2.16mm	Gold
AT60-20-0277	ATM, DuraMate, PanelMate	Pin	Stamped & Formed	20	7.5A	16-22AWG	1.30 - 2.16mm	Tin
AT60-20-0422	ATM, DuraMate	Pin	Stamped & Formed	20	7.5A	20-22AWG	1.25 - 1.8mm	Nickel
AT60-20-0444	ATM, DuraMate	Pin	Stamped & Formed	20	7.5A	20-22AWG	1.25 - 1.8mm	Gold
AT60-20-0477	ATM, DuraMate	Pin	Stamped & Formed	20	7.5A	20-22AWG	1.25 - 1.8mm	Tin

AT62-12-0144	ATP, AHD-6, DuraMate, PanelMate	Socket	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Gold
AT62-12-0166	ATP, AHD-6, DuraMate, PanelMate	Socket	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Nickel
AT62-12-0166-LP	ATP, AHD-6, DuraMate, PanelMate	Socket	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Nickel
AT62-12-0177	ATP, AHD-6, DuraMate	Socket	Stamped & Formed	12	25A	12-14AWG	2.87 - 4.47mm	Tin
AT62-12-0222	ATP, DuraMate, PanelMate	Socket	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Nickel
AT62-12-0222-LP	ATP, DuraMate, PanelMate	Socket	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Nickel
AT62-12-0244	ATP, DuraMate, PanelMate	Socket	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Gold
AT62-12-0277	AT, DuraMate	Socket	Stamped & Formed	12	25A	10-12AWG	3.56 - 5.18mm	Tin
AT62-14-0122	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Nickel

Part Number	Works with the following Series™	Type	Style	Size	Amp	AWG Range	Insul OD	Plating
AT62-14-0122-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Nickel
AT62-14-0144	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Gold
AT62-14-0177	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	14-18AWG	2.40 - 3.81mm	Tin
AT62-16-0122	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Nickel
AT62-16-0122-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Nickel
AT62-16-0144	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Gold
AT62-16-0144-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Gold
AT62-16-0177	AT, AHD-9, DuraMate	Socket	Stamped & Formed	16	13A	16-18AWG	1.91 - 3.55mm	Tin
AT62-16-0622	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Nickel
AT62-16-0622-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Nickel
AT62-16-0644	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	18-20AWG	1.40 - 2.54mm	Gold
AT62-16-0644-LP	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	18-20AWG	1.40 - 2.54mm	Gold
AT62-16-0677	AT, AHD-9, DuraMate	Socket	Stamped & Formed	16	13A	16-20AWG	1.40 - 2.54mm	Tin
AT62-16-0822	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Nickel
AT62-16-0844	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Gold
AT62-16-0877	AT, ATV, AHD-9, ARC, DuraMate, PanelMate	Socket	Stamped & Formed	16	13A	20-22AWG	1.31 - 1.50mm	Tin
AT62-20-0122	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Nickel
AT62-20-0122-LP	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Nickel
AT62-20-0144	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Gold
AT62-20-0144-LP	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Gold
AT62-20-0177	ATM, DuraMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.91 - 3.15mm	Tin
AT62-20-0222	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.30 - 2.16mm	Nickel
AT62-20-0244	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.30 - 2.16mm	Gold
AT62-20-0277	ATM, DuraMate, PanelMate	Socket	Stamped & Formed	20	7.5A	16-22AWG	1.30 - 2.16mm	Tin

A Series™ Contacts - Sealing Plugs

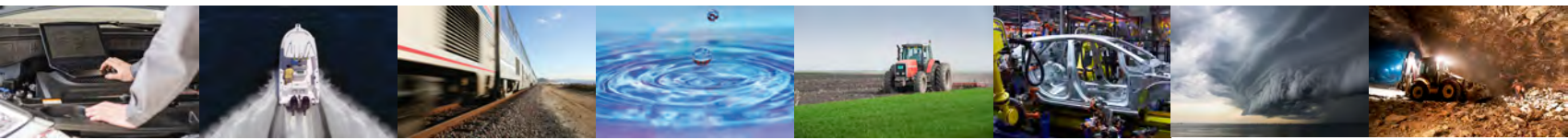
Part Number	Description	Type	Size	Color	Material
A114017	Sealing Plug. Works with AT, ATM, ATP, AHD, DuraMate	Plug	12, 16	White	Thermoplastic
A114017-SR	Sealing Plug. Works with AT, SR01	Plug	16	Black	Thermoplastic
A114018	Sealing Plug. Works with DuraMate	Plug	8	White	Thermoplastic
A114019	Sealing Plug. Works with DuraMate	Plug	4	Red	Thermoplastic
AT13-204-2005	Sealing Plug. Works with AT, SR01, Duralok, ATV, DuraMate, ATS	Plug	20	White	Thermoplastic
AT13-204-2005-SR	Sealing Plug. Works with ATM, DuraMate	Plug	20	Black	Thermoplastic
AT13-217-1605	Locking Sealing Plug. Works with AT, AHD-9, DuraMate, ARC	Plug	16	White	Thermoplastic
AT13-217-1605-SR	Locking Sealing Plug. Works with AT, SR01	Plug	16	Red	Thermoplastic
ATM13-217-2005	Locking Sealing Plug. Works with ATM, DuraMate	Plug	20	White	Thermoplastic
ATM13-217-2005-SR	Locking Sealing Plug. Works with ATM, SR01	Plug	20	Blue	Thermoplastic

A Series™ Contacts - Keying Pins

Part Number	Description	Type	Size	Color	Material
AT13-215-1605	Keying Pin. Works with AT, AHD, DuraMate	Pin	16	White	Thermoplastic
AT13-216-2005	Keying Pin. Works with ATM, DuraMate	Pin	20	Red	Thermoplastic

A Series™ Contacts - Tooling

Part Number	Description	Type	Size	Color	Material
ATRT-100	Contact and Wedglock Extraction Tool (For use with AT, ATM and ATP Series)	-	-	-	Steel



AHD AHD Series™



Product Enhancement Arrow Alignment System

Amphenol Sine Systems' AHD Series™ connectors have been enhanced to include the new **Arrow Alignment System** to provide 100% visual verification that the connectors are fully and properly mated. Users will now have two types of feedback to ensure the connector is mated properly; the current audible and tactile "click" of the coupling ring locking in place and now visual alignment of the arrows.

Applications: Heavy Duty, Transportation, Diagnostic, Military, Fire & Rescue, Agriculture



A Series™ Family



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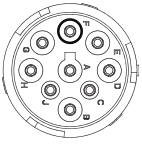
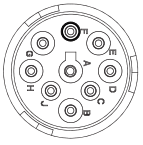
What Type Are You?

AHD Series™ J1939 Type 1 & 2 On-Vehicle Data Connectors

J1939 has become the accepted industry standard and the choice for vehicle diagnostic and data communication for commercial heavy-duty, off-highway, truck, bus, marine propulsion, power generation, industrial pumping, construction, and material handling machines. J1939 is a higher-layer protocol based on Controller Area Network (CAN). Adopted widely by the diesel engine industry, it provides diagnostic data such as vehicle engine speed, temperature, oil temperature, exhaust emissions, and other customizable options.



What Are The Differences Between Type 1 and 2?

	Pin	
Type 1 (Black)		Type 2 (Green)
Ground	A	Ground
Battery	B	Battery
J1939 + 250kb	C	J1939 + 500kb
J1939 - 250kb	D	J1939 - 500kb
J1939 Shield	E	J1939 Shield
J1708+	F	J1708+ / J1939 + 250kb
J1708-	G	J1708- / J1939 - 250kb
OEM Specific	H	OEM Specific
OEM Specific	J	OEM Specific



A ASeries™ Family



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AHD Series J1939 Type 1 & 2

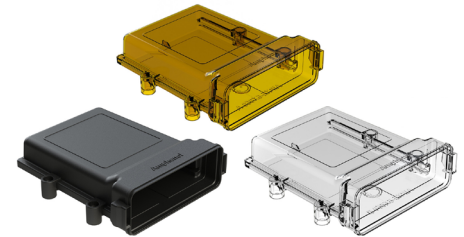
AHD Receptacles	Part Number	Type	Description
	AHD10-9-1939P	1	AHD Series, 9 Position, Receptacle, Type 1
	AHD10-9-1939PE	1	AHD Series, 9 Position, Receptacle, Reduce Seal, Type 1
	AHD17-9-1939PES	1	AHD Series, 9 Position, Receptacle, Jam Mount, Extended Shroud, Reduced Seal, Type 1
	AHD10-9-1939P-B022	1	AHD Series, 9 Position, Receptacle, Jam Mount, Type 1 *Available Q1 2018
	AHD10-9-1939PR-B022	1	AHD Series, 9 Position, Receptacle, Reduced Seal, Jam Mount, Type 1 *Available Q1 2018
	AHD14-9-1939P	1	AHD Series, 9 Position, Receptacle, In-Line, Type 1
	AHD10-9-1939P80	2	AHD Series, 9 Position, Receptacle, Type 2
	AHD10-9-1939P8R	2	AHD Series, 9 Position, Receptacle, Reduced Seal, Type 2
	AHD17-9-1939PES80	2	AHD Series, 9 Position, Receptacle, Jam Mount, Extended Shroud, Reduced Seal, Type 2
	AHD10-9-1939P-BP80	2	AHD Series, 9 Position, Receptacle, Jam Mount, Type 2 *Available Q1 2018
AHD10-9-1939PR-BP80	2	AHD Series, 9 Position, Receptacle, Reduced Seal, Jam Mount, Type 2 *Available Q1 2018	
AHD Plugs	Part Number	Type	Description
	AHD16-9-1939S	1	AHD Series, 9 Position, Plug, Locking Ring, Type 1
	AHD16-9-1939SE	1	AHD Series, 9 Position, Plug, Reduced Seal, Locking Ring, Type 1
	AHD17-9-1939S	1	AHD Series, 9 Position, Plug, Smooth Shell Diagnostic Grade, Type 1
	AHD16-9-1939S80	2	AHD Series, 9 Position, Plug, Locking Ring, Type 2
	AHD16-9-1939S8R	2	AHD Series, 9 Position, Plug, Reduced Seal, Locking Ring, Type 2
AHD Caps	Part Number	Type	Description
	AHDC-16-9-BLK	1	AHD Series, 9 Position, Receptacle, Cap, Black, Type 1
	AHDC-16-9-OBDBK	1	AHD Series, 9 Position, Receptacle, Cap, OBD Black, Type 1
	AHDC-16-9-OBDBGN	2	AHD Series, 9 Position, Receptacle, Cap, OBD Green, Type 2
AHD Panel Nuts	Part Number	Type	Description
	AHD17-PN01	1	AHD Series, 9 Position, Panel Nut (used on the AHD17-9-1939PES/80), Black, Type 1
	AHD17-PN01-GRN	2	AHD Series, 9 Position, Panel Nut (used on the AHD17-9-1939PES80) Green, Type 2
	AHDP18-PN01	1	AHD Series, 9 Position, Panel Nut (used on the AHD10-9-1939P/R-BP80/B022), Black, Type 1
AHD Cap & Tether	Part Number	Type	Description
	AHDC169-T-OBDBK	1	AHD Series, 9 Position, Receptacle, Cap w/ Rubber Tether, OBD Black, Type 1
	AHDC169-T-OBDBGN	2	AHD Series, 9 Position, Receptacle, Cap w/ Rubber Tether, OBD Green, Type 2
	AHDC169-T-BLK	1	AHD Series, 9 Position, Receptacle, Cap w/ Rubber Tether, Black, Type 1
	AHDC169-TMOBDBK	1	AHD Series, 9 Position, Receptacle, Cap w/ Metal Tether, OBD Black, Type 1
	AHDC169-TMOBDBGN	2	AHD Series, 9 Position, Receptacle, Cap w/ Metal Tether, OBD Green, Type 2
	AHDC169-TMBLK	1	AHD Series, 9 Position, Receptacle, Cap w/ Metal Tether, Black, Type 1

Important: All images shown above are just a sampling of available AHD Series J1939 parts. For complete selection, refer to website.

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



ARMORIPX™ Family

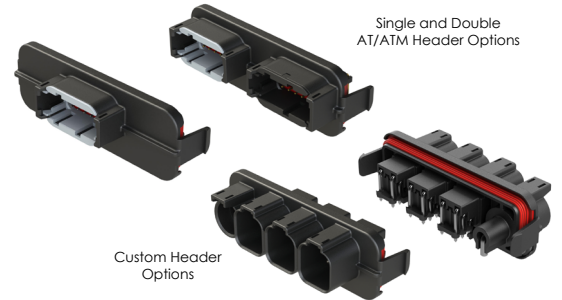


Sealed Enclosures

Amphenol Sine Systems' **Armor IPX™ Family of Sealed Enclosures** provides superior protection for printed circuit boards and electronic control modules in harsh environments and off-road applications. Available in two (2) sizes, as well as three (3) different material types: Ultem® (Amber), Thermoplastic (Black) or Polycarbonate (Clear). Simplified installation is accomplished via a rugged, tandem, through-hole design for ease of mounting and includes optional environmental venting. The Armor IPX™ electrical interface is established with the compact AT/ATM Header Systems featuring optional keying and sealed 90° molded pins. The snap-in headers quickly and securely attach to the Armor IPX™ enclosure and mate with standard AT/ATM Series plugs. Armor IPX™ Sealed Enclosures and AT/ATM Header Systems are compatible with industry standard EEC enclosures.

Key Features

- Available in Standard and Large sizes
- Available in Ultem® (Amber), Thermoplastic (Black) or Polycarbonate (Clear)
- Rugged, tandem, through-hole design for ease of mounting
- Cross-hatch design increases venting protection
- Snap-in headers establish ease of interface with PCB
- Optional header configurations
 - AT Series™ 12, 24, 36, 48 I/O (A, B, C & D Keying)
 - ATM Series™ 12, 24 I/O (A, B, C & D Keying)
- Enclosures are resistant to most external fluids used in industrial applications



Single and Double AT/ATM Header Options

Custom Header Options

Available Options

- **Custom/Blank Headers** - available to assist in establishing additional connector interface flexibility.
- **Vented Enclosures** - allow for atmospheric pressure differentials (+ or -), due to heat (sun load, board heat, etc.), which help alleviate seal leakage under extreme conditions. For environments requiring 'clean' venting, customers often purchase venting patches which keep out oils and moisture. (The circular flat area inside the enclosure is made to accommodate these patches.)

Technical Specifications

Temperature Range (Enclosures)	Amber: Ultem® PEI -55°C to +125°C Black: Thermoplastic PA66 -55°C to +125°C Clear: Polycarbonate -55°C to +125°C
Temperature Range (Headers)	AT/ATM Headers: -55°C to +125°C
Temperature (Humidity)	320 Hr
Temperature (Life)	1000 Hr
UV Exposure	500 Hr
Max. Current (AMP)	13A (AT Headers); 7.5A (ATM Headers)
IP Ratings (in mated condition)	IP67 and IP69K (w/ Header)
Contact Resistance	<6mΩ (AT Headers); <11mΩ (ATM Headers)
Insulation Resistance	>1000MΩ @ 25°C (AT/ATM Headers)
Current Cycling	500 Hour (AT/ATM Headers)

Enclosure Material	Amber: Ultem® PEI Black: Thermoplastic PA66 Clear: Polycarbonate
Header Material	Thermoplastic PA66
Salt Fog	96 Hr
Vibration	10 to 2000Hz – 20g peak level – XYZ – 24 Hr
Shock	50g - 20 pulses
Pins	Copper Alloy w Tin or Gold Plating (AT Headers) Brass, Post Tin or Gold Plated (ATM Headers)
Sealing Material	Silicone Rubber (AT/ATM Headers)
RoHS	Compliant

IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)



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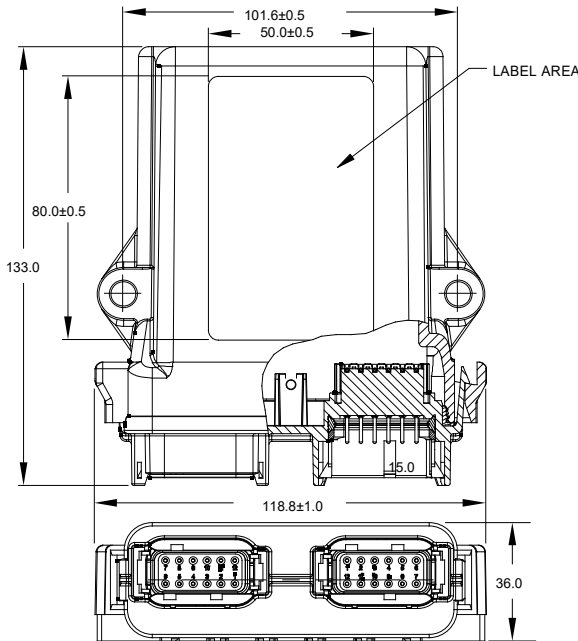
Armor IPX Series™ Enclosures

Image	Part Number	Description	Amp	Volt
	AIPXE-325X4A-E016	Standard, Ultem® (Amber) Enclosure, Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-325X4B-E016	Standard, Ultem® (Amber) Enclosure, w/out Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-5X650A-E016	Large, Ultem® (Amber) Enclosure, Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-5X650B-E016	Large, Ultem® (Amber) Enclosure, w/out Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-325X4A	Standard, Thermoplastic (Black) Enclosure, Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-325X4B	Standard, Thermoplastic (Black) Enclosure, w/out Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-5X650A	Large, Thermoplastic (Black) Enclosure, Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-5X650B	Large, Thermoplastic (Black) Enclosure, w/out Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-325X4A-E017	Standard, Polycarbonate (Clear) Enclosure, Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-325X4B-E017	Standard, Polycarbonate (Clear) Enclosure, w/out Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-5X650A-E017	Large, Polycarbonate (Clear) Enclosure, Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-
	AIPXE-5X650B-E017	Large, Polycarbonate (Clear) Enclosure, w/out Vent Hole, Armor IPX™, Temp. Range: -55°C to +125°C	-	-

Armor IPX Series™ Headers

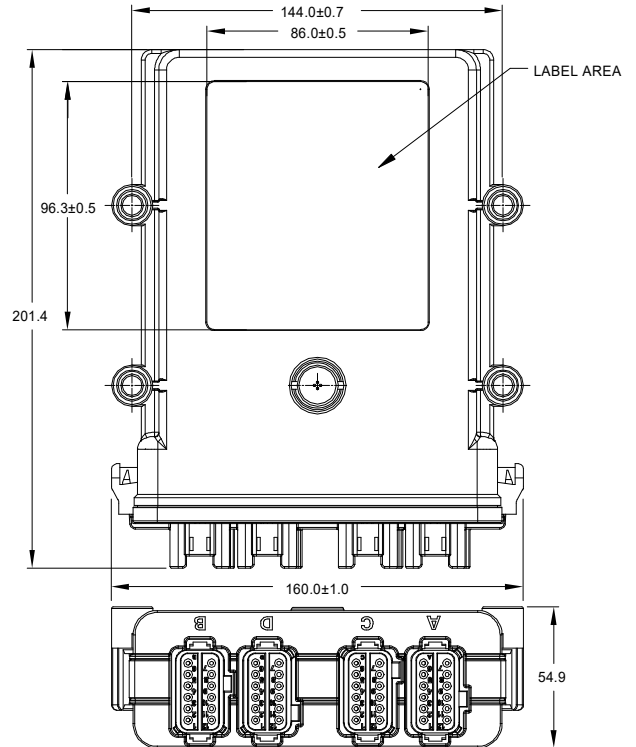
	AT13-12PA-R015	Large, AT Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 16, A Key - Tin Plating	13A	250V
	AT13-24PAB-BM03	Large, AT Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 16, AB Key - Tin Plating	13A	250V
	AT13-36PABC-BM03	Large, AT Header, Black Thermoplastic, Armor IPX™, 3x12 Position, Size 16, ABC Key - Tin Plating	13A	250V
	AT13-48PABCD-BM03	Large, AT Header, Black Thermoplastic, Armor IPX™, 4x12 Position, Size 16, ABCD Key - Tin Plating	13A	250V
	AT13-12PA-GR02	Large, AT Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 16, A Key - Gold Plating	13A	250V
	AT13-24PAB-BM01	Large, AT Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 16, AB Key - Gold Plating	13A	250V
	AT13-36PABC-BM01	Large, AT Header, Black Thermoplastic, Armor IPX™, 3x12 Position, Size 16, ABC Key - Gold Plating	13A	250V
	AT13-48PABCD-BM01	Large, AT Header, Black Thermoplastic, Armor IPX™, 4x12 Position, Size 16, ABCD Key - Gold Plating	13A	250V
	ATM13-12PA-GR01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, A Key - Gold Plating	7.5A	250V
	ATM13-12PB-GR01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, B Key - Gold Plating	7.5A	250V
	ATM13-12PC-GR01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, C Key - Gold Plating	7.5A	250V
	ATM13-12PD-GR01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, D Key - Gold Plating	7.5A	250V
	ATM13-12PA-R008	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, A Key - Tin Plating	7.5A	250V
	ATM13-12PB-R008	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, B Key - Tin Plating	7.5A	250V
	ATM13-12PC-R008	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, C Key - Tin Plating	7.5A	250V
	ATM13-12PD-R008	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 1x12 Position, Size 20, D Key - Tin Plating	7.5A	250V
	ATM13-12PA-12PB-BM01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, A&B Key - Gold Plating	7.5A	250V
	ATM13-12PA-12PC-BM01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, A&C Key - Gold Plating	7.5A	250V
	ATM13-12PA-12PD-BM01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, A&D Key - Gold Plating	7.5A	250V
	ATM13-12PB-12PC-BM01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, B&C Key - Gold Plating	7.5A	250V
	ATM13-12PB-12PD-BM01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, B&D Key - Gold Plating	7.5A	250V
	ATM13-12PC-12PD-BM01	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, C&D Key - Gold Plating	7.5A	250V
	ATM13-12PA-12PB-BM03	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, A&B Key - Tin Plating	7.5A	250V
	ATM13-12PA-12PC-BM03	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, A&C Key - Tin Plating	7.5A	250V
	ATM13-12PA-12PD-BM03	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, A&D Key - Tin Plating	7.5A	250V
	ATM13-12PB-12PC-BM03	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, B&C Key - Tin Plating	7.5A	250V
	ATM13-12PB-12PD-BM03	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, B&D Key - Tin Plating	7.5A	250V
	ATM13-12PC-12PD-BM03	Standard, ATM Header, Black Thermoplastic, Armor IPX™, 2x12 Position, Size 20, C&D Key - Tin Plating	7.5A	250V
	AIPXE-325XBP-01	Standard, Blank Header Plate, Black Thermoplastic, Armor IPX™	-	-
	AIPXE-5X650BP-01	Large, Blank Header Plate, Black Thermoplastic, Armor IPX™	-	-

Standard ArmorlPX™ Enclosure Dimensions (mm)



ILLUSTRATIONS SHOWN FOR REFERENCE ONLY.
SEE ACTUAL DATASHEET FOR SPECIFIC DIMENSIONS.

Large ArmorlPX™ Enclosure Dimensions (mm)

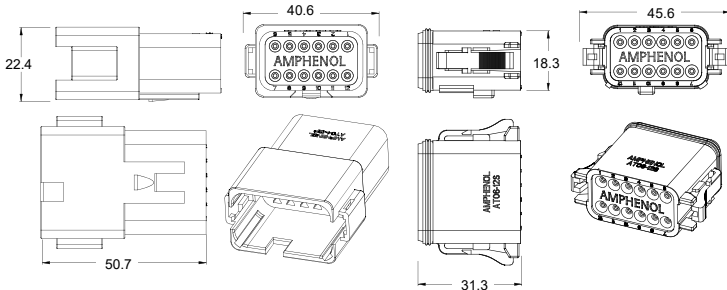


ILLUSTRATIONS SHOWN FOR REFERENCE ONLY.
SEE ACTUAL DATASHEET FOR SPECIFIC DIMENSIONS.

Standard AT Series™ Dimensions (mm)

Receptacle

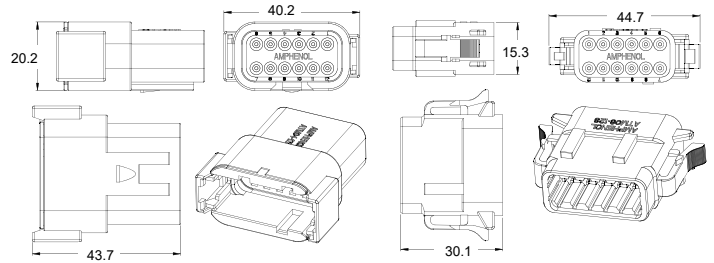
Plug



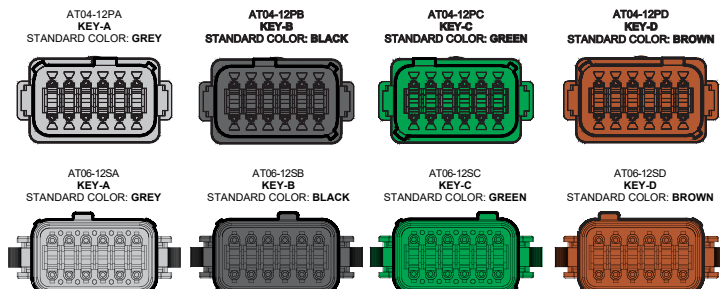
Standard ATM Series™ Dimensions (mm)

Receptacle

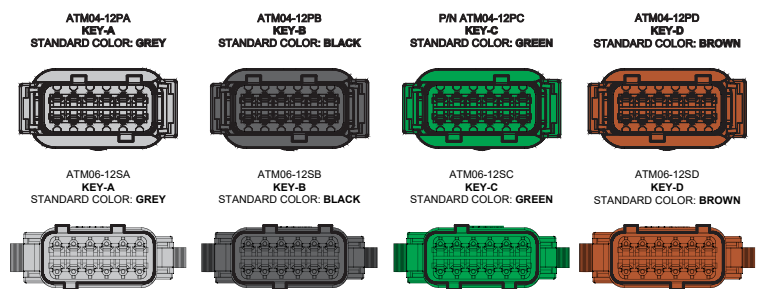
Plug



Standard AT Series™ Keying Layouts



Standard ATM Series™ Keying Layouts





ARB ARB Series™

Rectangular, Plastic, Heavy-Duty Connectors for Bulkhead Applications

Available in 48 and 102 position

Amphenol Sine Systems' **ARB Series™ Connectors** are IP67/IP68 (in mated condition) rated, rectangular, thermoplastic, heavy-duty, environmentally-sealed, connector series where high pin-counts are required in situations with controlled and/or uncontrolled environmental conditions such as bulkhead applications. The interface flange with receptacle retaining clip, jackscrew (plug), and threaded insert (receptacle) are all utilized to ensure a secure mated assembly. Our **ARB Series™ Connectors** have been developed to be compatible with all other existing standard products industry-wide.

Our **ARB Series™** connectors utilize **A Series™ Contacts**. See individual datasheets for required tooling and contact details.

Key Features

- IP67/IP68 (in mated condition)
- Available in A, B, C and D Keying Options
- Utilize A Series™ Contacts
- Interface Flange w Receptacle Retaining Clip, Jackscrew (Plug), and Threaded Insert (Receptacle) for secure mating of complete assembly
- Compatible with existing standard products industry-wide



Applications: Transportation, Off-Highway, Heavy Equipment, Agricultural, Automotive, Alternate Energy, Marine and other demanding interconnect architectures.

ARB Series™ - Specifications

(See individual datasheets for exact specs)

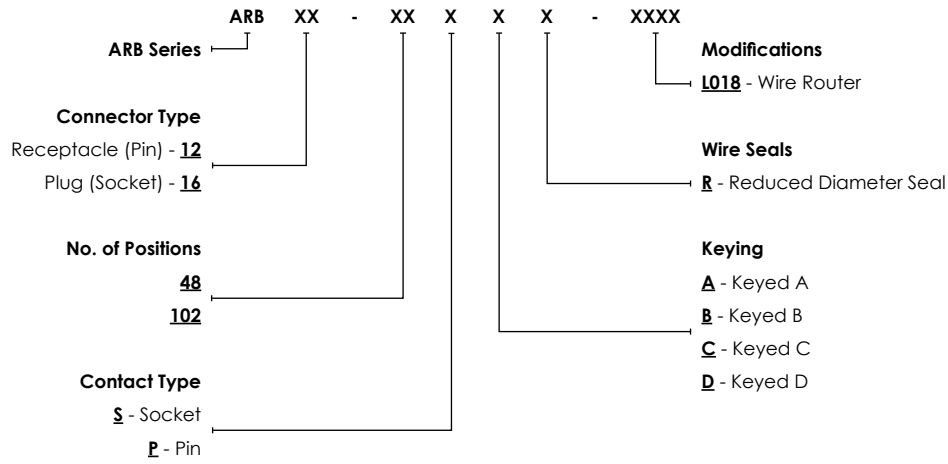
Operating Temperature	-55°C to +125°C
Current Rating Range (Amp)	#20: 7.5A; #16: 13A; #12: 25A; #8: 60A; #4: 100A
Max. Voltage Rating (AC/DC)	250V AC/DC
Mating Cycle Durability	100
IP Rating	IP67/IP68 (in mated condition)
Wire Range	6-22AWG
Contact Types	Machined, Stamped & Formed (See individual datasheets)
Contact Resistance	#20: < 11mΩ; #16: < 6.0mΩ; #12: < 2.5mΩ; #8: < 1.0mΩ; #4: < 0.6mΩ
Contact Material	Copper Alloy (Gold & Nickel Plating are available)
Sealing Material	Silicone Rubber
Housing/Wedglock Material	Thermoplastic
Coupling Systems	Receptacle Retaining Clip, Jackscrew w Threaded Insert
Dielectric Withstanding Voltage	Dielectric withstanding voltage less than 2 milliamps current leakage @ 1500 volts AC

Insulation Resistance	1000 megohms at 25°C
Shock & Vibration	No obvious damage in appearance, the structure is normal, and there is no disconnection greater than 1μs during the test.
Contact Retention Force	The contact retention force exceeds the following: #20: 20 lbf; #16: 25 lbf; #12: 30 lbf; #8: 35 lbf; #4: 35 lbf
High Temperature Life Test	No evidence of cracking, distortion, or other damage detrimental to the normal operation of the connectors. The insulation resistance shall be no less than 500 megohms.
Thermal Shock	Subjected to 20 cycles at -55°C to +125°C with no evidence of cracking, chipping, permanent dimensional changes or other damage detrimental to the normal operation of the connectors.
Salt Spray	No evidence of corrosion after 96 hrs
RoHS Compliant	All materials meet the requirements of the European Directive. (See website for documentation)



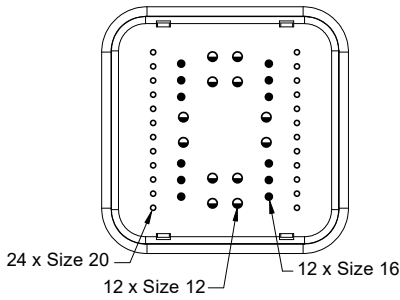
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ARB Series™ - Part Numbering Sequence



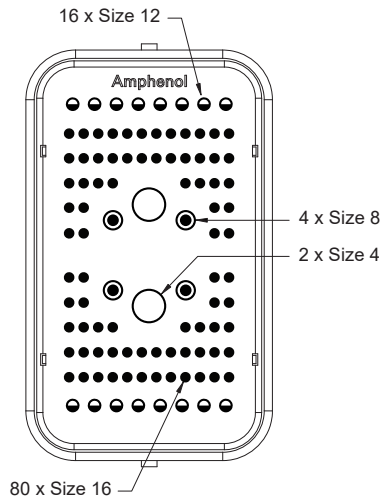
ARB Series™ - 48 Position Insert Arrangement

Note: See datasheets for contact options



ARB Series™ - 102 Position Insert Arrangement

Note: See datasheets for contact options

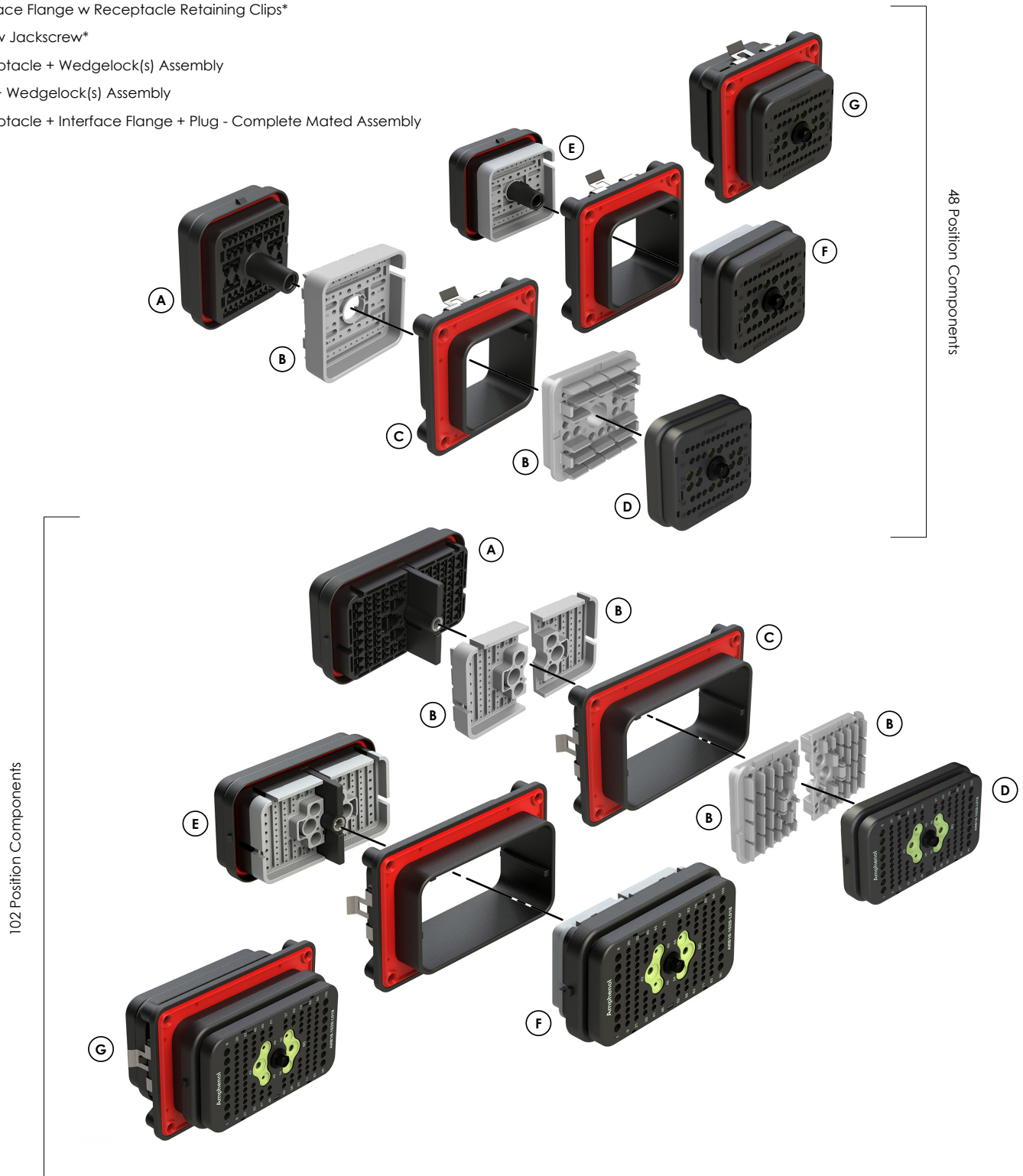


Contact Legend (Size/Amperage)				
Size 4 100A	Size 8 60A	Size 12 25A	Size 16 13A	Size 20 7.5A

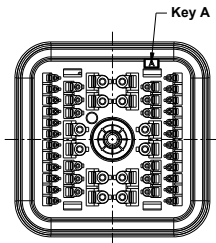
ARB Series™ - Components/Assembly Overview

*Refer to pages 6-10 for individual component part numbers

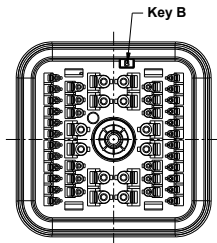
- (A) Receptacle w Threaded Insert for Jackscrew*
- (B) Wedgelock(s)*
- (C) Interface Flange w Receptacle Retaining Clips*
- (D) Plug w Jackscrew*
- (E) Receptacle + Wedgelock(s) Assembly
- (F) Plug + Wedgelock(s) Assembly
- (G) Receptacle + Interface Flange + Plug - Complete Mated Assembly



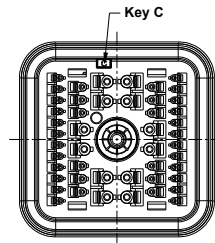
ARB Series™ - 48 Position - Plug and Receptacle Keying Options (A, B, C and D)



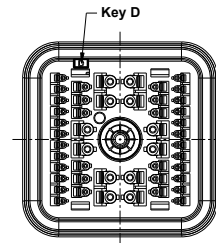
48 Position - **Plug** - Keyed A
ARB16-48SAR-L018



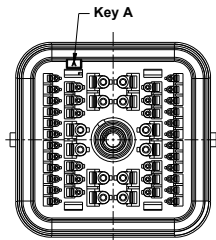
48 Position - **Plug** - Keyed B
ARB16-48SBR-L018



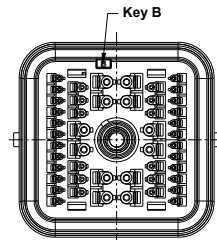
48 Position - **Plug** - Keyed C
ARB16-48SCR-L018



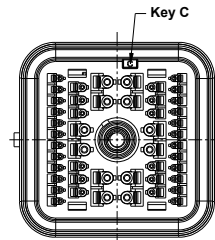
48 Position - **Plug** - Keyed D
ARB16-48SDR-L018



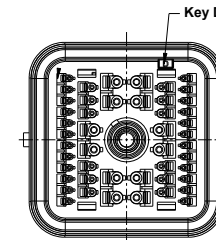
48 Position - **Receptacle** - Keyed A
ARB12-48PAR-L018



48 Position - **Receptacle** - Keyed B
ARB12-48PBR-L018

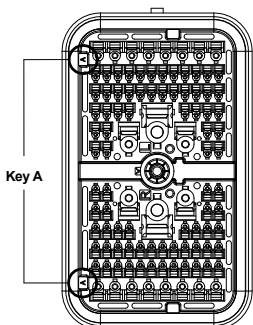


48 Position - **Receptacle** - Keyed C
ARB12-48PCR-L018

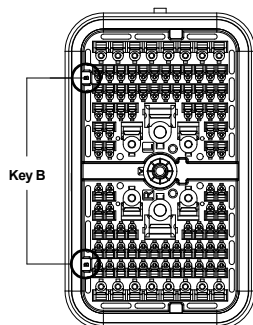


48 Position - **Receptacle** - Keyed D
ARB12-48PDR-L018

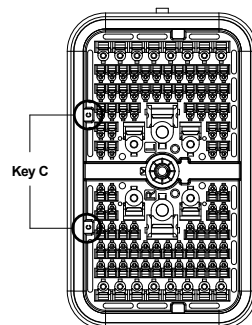
ARB Series™ - 102 Position - Plug and Receptacle Keying Options (A, B, C and D)



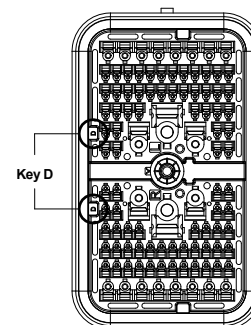
102 Position - **Plug** - Keyed A
ARB16-102SAR-L018



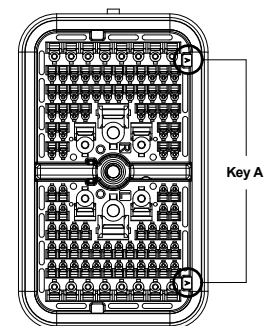
102 Position - **Plug** - Keyed B
ARB16-102SBR-L018



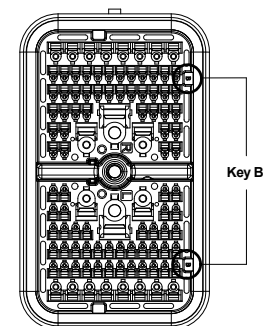
102 Position - **Plug** - Keyed C
ARB16-102SCR-L018



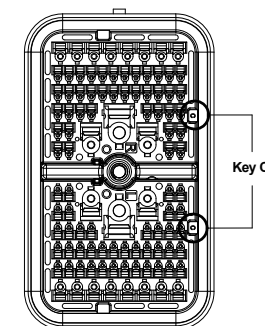
102 Position - **Plug** - Keyed D
ARB16-102SDR-L018



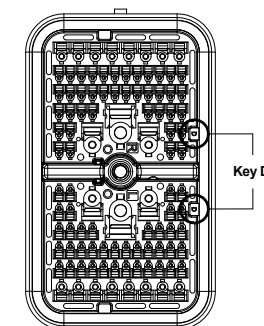
102 Position - **Receptacle** - Keyed A
ARB12-102PAR-L018



102 Position - **Receptacle** - Keyed B
ARB12-102PBR-L018



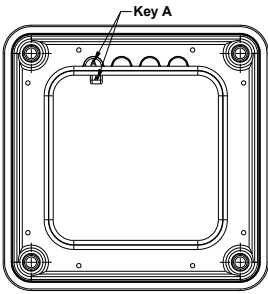
102 Position - **Receptacle** - Keyed C
ARB12-102PCR-L018



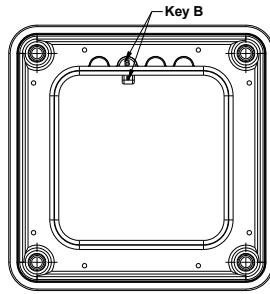
102 Position - **Receptacle** - Keyed D
ARB12-102PDR-L018

ARB Series™ - 48 Position - Interface Flange Keying Options (A, B, C and D)

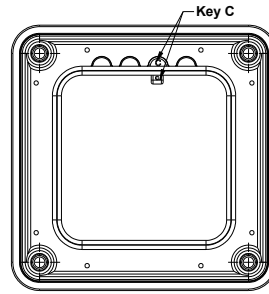
Note: A complete ARB Series™ mated assembly requires the use of an Interface Flange.



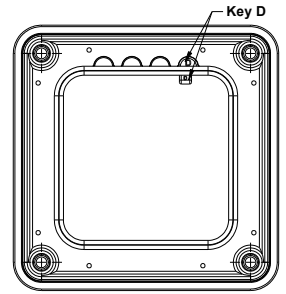
48 Position - Interface Flange - Keyed A
ARBF-2A



48 Position - Interface Flange - Keyed B
ARBF-2B



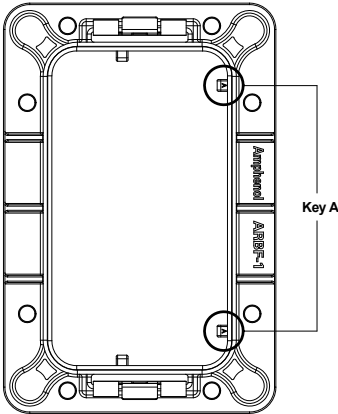
48 Position - Interface Flange - Keyed C
ARBF-2C



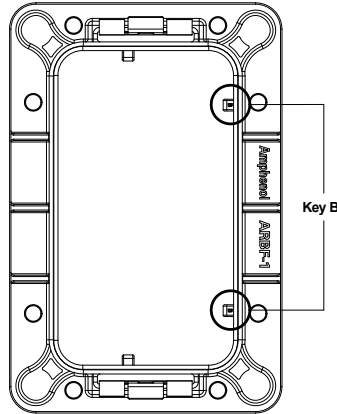
48 Position - Interface Flange - Keyed D
ARBF-2D

ARB Series™ - 102 Position - Interface Flange Keying Options (A, B, C and D)

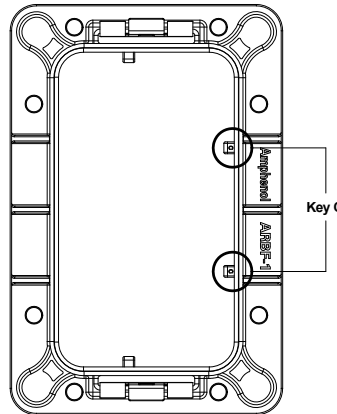
Note: A complete ARB Series™ mated assembly requires the use of an Interface Flange.



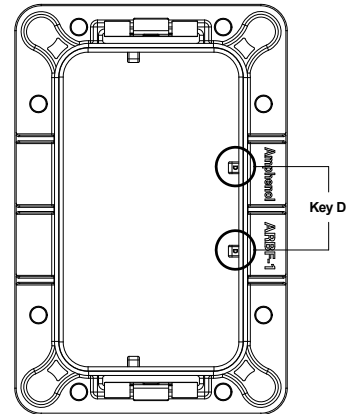
102 Position - Interface Flange - Keyed A
ARBF-1A



102 Position - Interface Flange - Keyed B
ARBF-1B



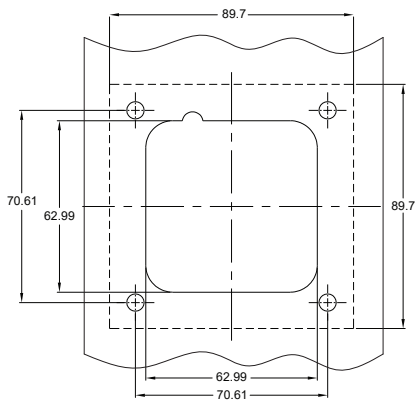
102 Position - Interface Flange - Keyed C
ARBF-1C



102 Position - Interface Flange - Keyed D
ARBF-1D

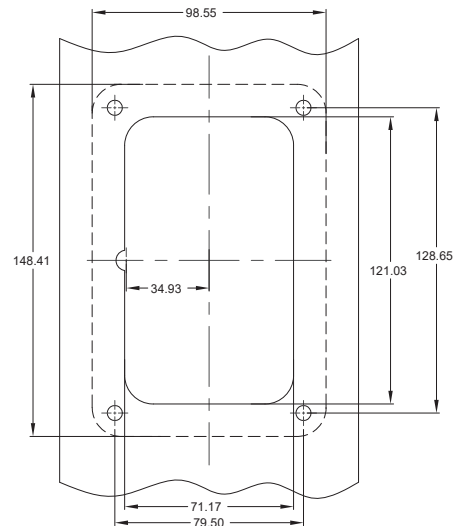
ARB Series™ - 48 Position - Interface Flange Panel Cutouts (in mm)

Note: See individual datasheets for specific dimensions relating to keying options







ARB Series™ - 102 Position - Interface Flange Panel Cutouts (in mm)




Note: See individual datasheets for specific dimensions relating to keying options




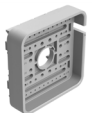


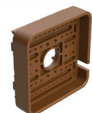
48 Position - ARB Series™ Plugs and Wedgelocks

Image	Part Number	Description	Size	Amp
	ARB16-48SAR-L018	48 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed A, Black Body (Requires Wedgelock AWB-48SA)	12, 16, 20	25A, 13A, 7.5A
	ARB16-48SBR-L018	48 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed B, Black Body (Requires Wedgelock AWB-48SB)	12, 16, 20	25A, 13A, 7.5A
	ARB16-48SCR-L018	48 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed C, Black Body (Requires Wedgelock AWB-48SC)	12, 16, 20	25A, 13A, 7.5A
	ARB16-48SDR-L018	48 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed D, Black Body (Requires Wedgelock AWB-48SD)	12, 16, 20	25A, 13A, 7.5A
	AWB-48SA	48 Position, Plug Wedgelock, Keyed A, Gray Body	-	-
	AWB-48SB	48 Position, Plug Wedgelock, Keyed B, Black Body	-	-
	AWB-48SC	48 Position, Plug Wedgelock, Keyed C, Green Body	-	-
	AWB-48SD	48 Position, Plug Wedgelock, Keyed D, Brown Body	-	-

48 Position - ARB Series™ Receptacles and Wedgelocks

	ARB12-48PAR-L018	48 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed A, Black Body (Requires Wedgelock AWB-48PA)	12, 16, 20	25A, 13A, 7.5A
	ARB12-48PBR-L018	48 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed B, Black Body (Requires Wedgelock AWB-48PB)	12, 16, 20	25A, 13A, 7.5A
	ARB12-48PCR-L018	48 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed C, Black Body (Requires Wedgelock AWB-48PC)	12, 16, 20	25A, 13A, 7.5A

48 Position - ARB Series™ Receptacles and Wedgelocks


Image	Part Number	Description	Size	Amp
	ARB12-48PDR-L018	48 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed D, Black Body (Requires Wedgelock AWB-48PD)	12, 16, 20	25A, 13A, 7.5A
	AWB-48PA	48 Position, Receptacle Wedgelock, Keyed A, Gray Body	-	-
	AWB-48PB	48 Position, Receptacle Wedgelock, Keyed B, Black Body	-	-
	AWB-48PC	48 Position, Receptacle Wedgelock, Keyed C, Green Body	-	-
	AWB-48PD	48 Position, Receptacle Wedgelock, Keyed D, Brown Body	-	-

48 Position - ARB Series™ Interface Flanges

Note: A complete ARB Series™ mated assembly requires the use of an Interface Flange.

	ARBF-2A	48 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed A, Black Body	-	-
	ARBF-2B	48 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed B, Black Body	-	-
	ARBF-2C	48 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed C, Black Body	-	-
	ARBF-2D	48 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed D, Black Body	-	-

102 Position - ARB Series™ Plugs and Wedgelocks

	ARB16-102SAR-L018	102 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed A, Black Body (Requires Wedgelocks AWB-51SAL and AWB-51SAR)	4, 8, 12, 16	100A, 60A, 25A, 13A
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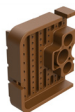
102 Position - ARB Series™ Plugs and Wedgelocks

Image	Part Number	Description	Size	Amp
	ARB16-102SBR-L018	102 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed B, Black Body (Requires Wedgelocks AWB-51SBL and AWB-51SBR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	ARB16-102SCR-L018	102 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed C, Black Body (Requires Wedgelocks AWB-51SCL and AWB-51SCR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	ARB16-102SDR-L018	102 Position, Plug, Socket, ARB Series™, Jackscrew, Reduced Diameter Seal (Green), Keyed D, Black Body (Requires Wedgelocks AWB-51SDL and AWB-51SDR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	AWB-51SAL	102 Position, Left Wedgelock for Plug (51 Position), Keyed A, Gray Body	-	-
	AWB-51SAR	102 Position, Right Wedgelock for Plug (51 Position), Keyed A, Gray Body	-	-
	AWB-51SBL	102 Position, Left Wedgelock for Plug (51 Position), Keyed B, Black Body	-	-
	AWB-51SBR	102 Position, Right Wedgelock for Plug (51 Position), Keyed B, Black Body	-	-
	AWB-51SCL	102 Position, Left Wedgelock for Plug (51 Position), Keyed C, Green Body	-	-
	AWB-51SCR	102 Position, Right Wedgelock for Plug (51 Position), Keyed C, Green Body	-	-
	AWB-51SDL	102 Position, Left Wedgelock for Plug (51 Position), Keyed D, Brown Body	-	-
	AWB-51SDR	102 Position, Right Wedgelock for Plug (51 Position), Keyed D, Brown Body	-	-

102 Position - ARB Series™ Receptacles and Wedgelocks

Image	Part Number	Description	Size	Amp
	ARB12-102PAR-L018	102 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed A, Black Body (Requires Wedgelocks AWB-51PAL and AWB-51PAR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	ARB12-102PBR-L018	102 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed B, Black Body (Requires Wedgelocks AWB-51PBL and AWB-51PBR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	ARB12-102PCR-L018	102 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed C, Black Body (Requires Wedgelocks AWB-51PCL and AWB-51PCR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	ARB12-102PDR-L018	102 Position, Receptacle, Pin, ARB Series™, Threaded Insert for Jackscrew, Reduced Diameter Seal (Green), Keyed D, Black Body (Requires Wedgelocks AWB-51PDL and AWB-51PDR)	4, 8, 12, 16	100A, 60A, 25A, 13A
	AWB-51PAL	102 Position, Left Wedgelock for Receptacle (51 Position), Keyed A, Gray Body	-	-
	AWB-51PAR	102 Position, Right Wedgelock for Receptacle (51 Position), Keyed A, Gray Body	-	-
	AWB-51PBL	102 Position, Left Wedgelock for Receptacle (51 Position), Keyed B, Black Body	-	-
	AWB-51PBR	102 Position, Right Wedgelock for Receptacle (51 Position), Keyed B, Black Body	-	-
	AWB-51PCL	102 Position, Left Wedgelock for Receptacle (51 Position), Keyed C, Green Body	-	-
	AWB-51PCR	102 Position, Right Wedgelock for Receptacle (51 Position), Keyed C, Green Body	-	-
	AWB-51PDL	102 Position, Left Wedgelock for Receptacle (51 Position), Keyed D, Brown Body	-	-

102 Position - ARB Series™ Receptacles and Wedgelocks

Image	Part Number	Description	Size	Amp
	AWB-51PDR	102 Position, Right Wedgelock for Receptacle (51 Position), Keyed D, Brown Body	-	-

102 Position - ARB Series™ Interface Flanges

Note: A complete ARB Series™ mated assembly requires the use of an Interface Flange.

	ARBF-1A	102 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed A, Black Body	-	-
	ARBF-1B	102 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed B, Black Body	-	-
	ARBF-1C	102 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed C, Black Body	-	-
	ARBF-1D	102 Position, Interface Flange, Receptacle Retaining Clip, Self-Threading, Flange Seal (Red), Keyed D, Black Body	-	-

ARB Series™ - Contacts

For A Series™ Contact options, refer to the datasheets of each individual part number found online at www.amphenol-sine.com.

ARB Series™ - Tooling

For Tooling options, refer to the datasheets of each individual part number found online at www.amphenol-sine.com.

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



ARC ARC Series™

Rectangular, Thermoplastic Connectors for Harsh Environment Applications

Available in 24, 40, 50 and 70 position

Amphenol Sine Systems **ARC Series™ Connectors** are an IP68 and IP69K rated (in mated condition), rugged, heavy-duty, environmentally-sealed, thermoplastic, rectangular connector series where high pin-counts are required in situations with controlled and/or uncontrolled environmental conditions.

Available in Plugs, Flange Mount Receptacles and **BoardLock™** PCB Receptacles.

Key Features

- IP68 and IP69K Rated (in mated condition)
- Utilizes A Series™ Contacts
- Jackscrew w Threaded Insert for Mating
- Bonded Front Seals on Plugs
- Standard or Reduced Diameter Rear Seals
- Available in Multiple Keying Options
- Comparable with existing standard products industry-wide

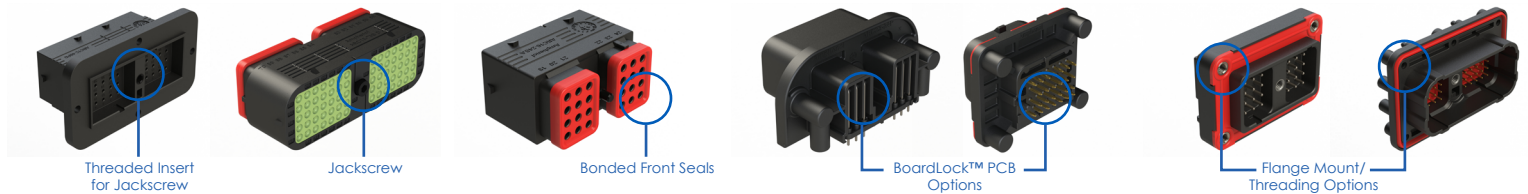


Applications: Transportation, Heavy Equipment, Agricultural, Automotive, Off-Highway, Alternate Energy, Marine and other demanding interconnect architectures.

ARC Series™ - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68 and IP69K
Max. Current (Amperage)	7.5-13A
Max. Voltage Rating (AC/DC)	250V
Operating Temperature	-55°C to +125°C
Coupling System	Jackscrew w Threaded Insert
Housing Body	Thermoplastic, Black
Threaded Insert/Jackscrew	Stainless Steel
Contact Types	Stamped & Formed, Machined, Solder
Contact Material	Copper Alloy (Gold, Tin & Silver Plating are available)
Wire Range	14-20AWG (See datasheets)
Sealing Material	Silicone Rubber
Min. Mating Cycles	>100

Dielectric Value	Less than 2 mA current leakage @ 1500V AC
Fluid Resistance	Gas, oil, mineral oil, acid bath, basic bath
Insulation Resistance	1000 megohms min. of 25°C
Vibration	No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.
Durability	No electrical or mechanical defects after 100 cycles of engagement and disengagement
Thermal Shock	No cracking, chipping or leaking after 20 test cycles from -55°C to 125°C
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)



IP Ratings
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

A Series™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732



ARC Series™ - Plugs (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

Image	Part Number	Description	Contact Size	Amp
	ARC16-24SA-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-24SB-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-24SC-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-24SD-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-24SAR-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC16-24SBR-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC16-24SCR-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC16-24SDR-P013	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC26-24SA	24 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-24SB	24 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-24SC	24 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-24SD	24 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC24-BT	24 Position, Boot, Black Body (For use on both Plug and Receptacle)	-	-
	ARC18-40SA-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC18-40SB-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC18-40SC-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC18-40SD-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC18-40SAR-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC18-40SBR-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC18-40SCR-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC18-40SDR-P013	40 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Reduced Diameter Rear Seal (Green), Black Body	16	13A





Image	Part Number	Description	Contact Size	Amp
	ARC26-40SA	40 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-40SB	40 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-40SC	40 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-40SD	40 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC40-BT	40 Position, Boot, Black Body (For use on both Plug and Receptacle)	-	-
	ARC40-BT-RA	40 Position, 90 Degree Boot, Black Body (For use on both Plug and Receptacle)	-	-

	ARC26-50S01	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 01, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S02	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 02, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S03	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 03, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S04	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 04, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S05	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 05, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S06	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 06, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S07	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 07, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S08	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 08, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S09	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 09, Normal Diameter Rear Seal (Red), Black Body	20	7.5A
	ARC26-50S10	50 Position, Plug, Socket, Size 20, ARC Series™, Jackscrew, Bonded Front Seal, Keyed 10, Normal Diameter Rear Seal (Red), Black Body	20	7.5A

	ARC16-70SA-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-70SB-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-70SC-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC16-70SD-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Normal Diameter Rear Seal (Red), Black Body	16	13A

Image	Part Number	Description	Contact Size	Amp
	ARC16-70SAR-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed A, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC16-70SBR-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed B, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC16-70SCR-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed C, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC16-70SDR-P013	70 Position, Plug, Socket, Size 16, ARC Series™, Jackscrew, Bonded Front Seal, Keyed D, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC70-BT	70 Position, Boot, ARC Series™, Black Body (For use on both Plug and Receptacle)	-	-

ARC Series™ - Receptacles (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

Image	Part Number	Description	Contact Size	Amp
	ARC12-24PA	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed A, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-24PB	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed B, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-24PC	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed C, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-24PD	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed D, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-24PAR	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed A, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-24PBR	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed B, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-24PCR	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed C, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-24PDR	24 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed D, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC24-BT	24 Position, Boot, Black Body (For use on both Plug and Receptacle)	-	-
	ARC24-GKT	24 Position Gasket, Receptacle, Black Body	-	-














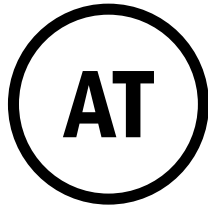
	ARC12-40PA	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed A, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-40PB	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed B, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-40PC	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed C, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-40PD	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed D, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A

Image	Part Number	Description	Contact Size	Amp
	ARC12-40PAR	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed A, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-40PBR	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed B, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-40PCR	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed C, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-40PDR	40 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed D, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC40-BT	40 Position, Boot, Black Body (For use on both Plug and Receptacle)	-	-
	ARC40-BT-RA	40 Position, 90 Degree Boot, Black Body (For use on both Plug and Receptacle)	-	-
	ARC40-GKT	40 Position Gasket, Receptacle, Black Body	-	-

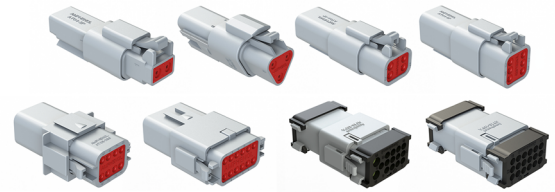
	ARC12-70PA	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed A, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-70PB	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed B, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-70PC	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed C, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-70PD	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed D, Flanged, Normal Diameter Rear Seal (Red), Black Body	16	13A
	ARC12-70PAR	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed A, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-70PBR	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed B, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-70PCR	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed C, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC12-70PDR	70 Position, Receptacle, Pin, Size 16, ARC Series™, Threaded Insert for Jackscrew, Keyed D, Flanged, Reduced Diameter Rear Seal (Green), Black Body	16	13A
	ARC70-BT	70 Position, Boot, ARC Series™, Black Body (For use on both Plug and Receptacle)	-	-
	ARC70-GKT	70 Position, Gasket, Receptacle, ARC Series™, Black Body	-	-

ARC Series™ with BoardLock™ - PCB Receptacles (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

Image	Part Number	Description	Contact Size	Amp
	ARC13-24PA-BM03SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed A, Black Body	16	13A
	ARC13-24PB-BM03SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed B, Black Body	16	13A
	ARC13-24PC-BM03SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed C, Black Body	16	13A
	ARC13-24PD-BM03SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed D, Black Body	16	13A
	ARC23-24PA-BM01SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed A, Black Body	20	7.5A
	ARC23-24PB-BM01SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed B, Black Body	20	7.5A
	ARC23-24PC-BM01SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed C, Black Body	20	7.5A
	ARC23-24PD-BM01SP1	24 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed D, Black Body	20	7.5A
	ARC13-40PA-BM03SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed A, Black Body	16	13A
	ARC13-40PB-BM03SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed B, Black Body	16	13A
	ARC13-40PC-BM03SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed C, Black Body	16	13A
	ARC13-40PD-BM03SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, Pin Spacer, ARC Series™ with BoardLock™, Threaded Insert, Threaded Insert for Jackscrew, Gasket, Keyed D, Black Body	16	13A
	ARC23-40PA-N012SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed A, Black Body	20	7.5A
	ARC23-40PB-N012SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed B, Black Body	20	7.5A
	ARC23-40PC-N012SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed C, Black Body	20	7.5A
	ARC23-40PD-N012SP1	40 Position, PCB Receptacle with Flange, 90° Right Angle, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed D, Black Body	20	7.5A
	ARC22-50P01-BM01SP1	50 Position, PCB Receptacle with Flange, 180° Straight, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed 01, Black Body	20	7.5A
	ARC22-50P02-BM01SP1	50 Position, PCB Receptacle with Flange, 180° Straight, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed 02, Black Body	20	7.5A
	ARC22-50P03-BM01SP1	50 Position, PCB Receptacle with Flange, 180° Straight, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed 03, Black Body	20	7.5A
	ARC22-50P04-BM01SP1	50 Position, PCB Receptacle with Flange, 180° Straight, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed 04, Black Body	20	7.5A
	ARC22-50P05-BM01SP1	50 Position, PCB Receptacle with Flange, 180° Straight, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed 05, Black Body	20	7.5A
	ARC22-50P07-BM01SP1	50 Position, PCB Receptacle with Flange, 180° Straight, Pin, Selective Plating, ARC Series™ with BoardLock™, Self-Threading, Threaded Insert for Jackscrew, Keyed 07, Black Body	20	7.5A



AT Series™



Heavy-Duty, Multi-Pin, 13A-25A, Thermoplastic Connectors

Available in 2, 3, 4, 6, 8, 12, 13 (Mixed), 15 (Mixed) and 18 position

Amphenol Sine Systems' **AT Series™** connectors are a high-performance, IP68 and IP69K rated (in mated condition), thermoplastic, cost-effective solution with superior environmental seals and seal retention capabilities. The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. All of our **AT Series™** connectors offer a wide range of end caps and strain relief options and have been developed to be compatible with all other existing standard products industry-wide. Available in **BoardLock™**, **HYPERBUSS™**, **LED**, **PanelMate™** and **StructurePlus™** options.



Key Features

- Thermoplastic housing with excellent UV resistance
- Wedgelocks ensure proper contact alignment & retention
- Integrated latch for mating ensures a secure connection
- Superior front and rear environmental seals and seal retention
- Compatible with existing standard products industry-wide
- Wide range of end caps and strain relief options

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.

Specifications Overview (Reference Individual Datasheets)

Operating Temperature	-55°C to +125°C
Max Current Rating (Amp)	2, 3, 4, 6, 8, 12 pos: 13A (Size 16) 13, 15 pos: Mixed 25A (Size 12), 13A (Size 16) 18 pos: 13A (Size 16)
Mating Cycles	>100
IP Rating	IP68 and IP69K (in mated condition)
Wire Range	2, 3, 4, 6, 8, 12 pos: 14-24AWG (Size 16) 13, 15 pos: Mixed 10-14AWG (Size 12), 14-24AWG (Size 16) 18 pos: 14-24AWG (Size 16)
Contacts	Machined and Stamped & Formed Copper-Alloy, Nickel-Plated, Gold-Plating optional
Housing/Latch Material	Thermoplastic/Integrated latch for mating
Sealing Material	Silicone Rubber
Dielectric Withstanding Voltage	Less than 2 mA current leakage @ 1500V AC









Insulation Resistance	1000 megohms minimum at 25°C
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector

Custom Color Options







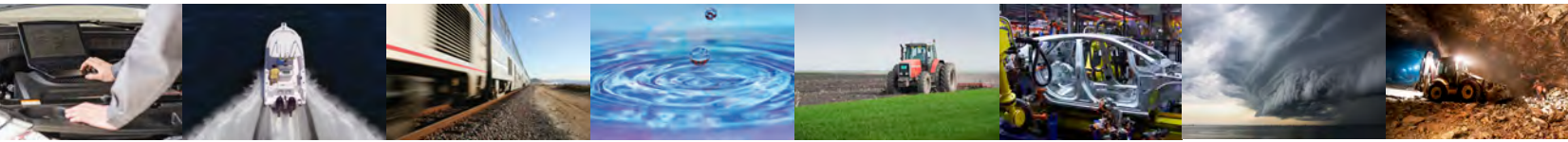
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Related Items-Product Lines

 <p>BL BoardLock™</p> <p>BoardLock™ connectors combine flanged or flangeless, 180° straight or 90° right angle pin-oriented, wire-to-board versatility with the proven reliability of the A Series™ environmentally-sealed, thermoplastic, connection system.</p>	 <p>HB HYPERBUSS™</p> <p>HYPERBUSS™ connectors are a high-performance, cost-effective solutions used in a variety of interconnect applications where a common "bussed" electrical pathway is required. They contain superior environmental seals and seal retention capabilities.</p>
 <p>PM PanelMate™</p> <p>PanelMate™ connectors combine flange-mounting options with the proven reliability of the AT, ATP and ATHD Series™ environmentally-sealed, thermoplastic connection systems.</p>	 <p>SP Structure+™</p> <p>StructurePlus™ overmold-compatible connectors are engineered, one-piece, solid body connectors that are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements.</p>
 <p>AT ATSeries™ SR01/02</p> <p>AT SR01/02 Series™ specifically designed wire cavities protect each individual wire seal, eliminating stress on the rear seal, maintaining IP68/69K sealing performance regardless of wire bundle direction or improper installation.</p>	 <p>AT ATSeries™ LED</p> <p>AT Series™ LED (Light Emitting Diode) Plug Connectors, available in a 12V and/or 24V LED plug option, are a highly-visible, field-serviceable, cost-effective solution for quick visual verification of power to help reduce troubleshooting time.</p>
 <p>ARMORIPX™</p> <p>Armor IPX™ Sealed Enclosures provide superior protection for printed circuit boards and electronic control modules in harsh environments and off-road applications.</p>	 <p>AT Integrated Resistors&Diodes</p> <p>AT Series™ Integrated Resistors & Diodes for ideal for Heavy Duty applications where environmentally-sealed, factory-assembled, plug-and-play connectors are needed.</p>

Related Items-Accessories

 <p>A ASeries™ Boots</p> <p>A Series™ Boots provide an optional protective backshell covering for harsh environmental and industrial applications in -28°C to +100°C conditions. For use with AT, ATM and ATP Series™ connectors that do not include an endcap or shrinkboot strain relief.</p>	 <p>A ASeries™ Caps</p> <p>A Series™ Caps are a low-cost alternative to using standard connectors with sealing plugs and provide an optional protective covering for harsh environmental and industrial applications. All caps are IP68 rated (1M of Water for 24 Hrs).</p>
 <p>A ASeries™ Clips</p> <p>A Series™ Clips provide an optional method for mounting AT, ATM, ATP, and ATHD Series receptacles to our plug connectors, and are available in stainless steel, steel with zinc-plating, and plastic.</p>	 <p>A ASeries™ Colors</p> <p>Our A Series™ connectors come in a variety of color modifications for your specific needs. Colors are often used to help differentiate between keying options, but we also offer color modifications across a large number of our A Series™ product lines for your specific project needs.</p>



AT ATSeries™ 15 Pos

Heavy-Duty, Multi-Pin, 13A/25A (Mixed) Thermoplastic Connectors

13 x Size 16 Contacts / 2 x Size 12 Contacts - Mixed Configuration



Amphenol Sine Systems' **AT Series™** connectors are a high-performance, IP68/69K rated (mated), thermoplastic, cost-effective solution with superior environmental seals and seal retention capabilities available in 2, 3, 4, 6, 8, 12, 13 (Mixed), 15 (Mixed) and 18 position. The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. All of our **AT Series™** connectors offer a wide range of end caps and strain relief options and have been developed to be compatible with all other existing standard products industry-wide.

Keyed Features

- Optional Keying configurations A, B, C, D and E (color-specified)
- Plug and receptacle housings are pre-assembled with internal rear seals and covers
- Superior front and rear environmental seals and seal retention capabilities provide a multi-sealing perimeter against environmental ingress










Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.

Operating Temperature	-55°C to +125°C
Max Current Rating (Amperage)	25A (Size 12), 13A (Size 16)
Mating Cycle Durability	>100
IP Rating	IP68/69K (in mated condition)
Wire Range	10-14AWG (Size 12) & 14-20AWG (Size 16) contacts
Contacts	Available in Machined and Stamped & Formed; Copper Alloy, Nickel-Plated, Gold plating optional
Housing/Latch Material	Thermoplastic/Integrated latch for mating
Sealing Material	Silicone Rubber
Dielectric Withstanding Voltage	Less than 2 milliamps current leakage @ 1500V AC
Insulation Resistance	1000 megohms minimum at 25°C
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector







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15 Position - **AT Series™** Plugs

Image	Part Number	Description	Size	Amp
	AT16-15SA-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed A, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SB-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed B, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SC-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed C, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SD-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed D, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SE-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed E, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SA-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed A, End Cap, Reduced Diameter Rear Seal (Green), Gray Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SC-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed C, End Cap, Reduced Diameter Rear Seal (Green), Green Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SD-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed D, End Cap, Reduced Diameter Rear Seal (Green), Brown Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15SE-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Plug, Socket, AT Series™, Keyed E, End Cap, Reduced Diameter Rear Seal (Green), Gray Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)





15 Position - **AT Series™** Receptacles

	AT16-15PA-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed A, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PB-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed B, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PC-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed C, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PD-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed D, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PE-K003	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed E, End Cap, Reduced Diameter Rear Seal (Green), Black Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)

15 Position - **AT Series™** Receptacles, cont.

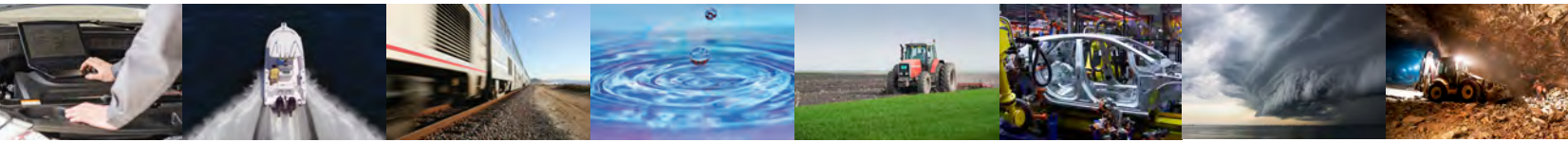
Image	Part Number	Description	Size	Amp
	AT16-15PA-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed A, End Cap, Reduced Diameter Rear Seal (Green), Gray Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PC-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed C, End Cap, Reduced Diameter Rear Seal (Green), Green Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PD-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed D, End Cap, Reduced Diameter Rear Seal (Green), Brown Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)
	AT16-15PE-EK02	15 Position (2 x Size 12 / 13 x Size 16 Contacts), Receptacle, Pin, AT Series™, Keyed E, End Cap, Reduced Diameter Rear Seal (Green), Gray Body (No Add'l Wedgelock Required)	12, 16	25A (Size 12) 13A (Size 16)

 15 Position - **AT Series™** Accessories

	AT16-1518S-CAP	Protective Cover for 12, 15, 18 Positioning Plugs, Black Body	-	-
	ATBS-PS-1805	Backshell for 15 & 18 Position, AT Series™, Black Body	-	-
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12	-	-
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16	-	-

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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AT ATSeries™ 18 Pos

Heavy-Duty, Multi-Pin, 13A, Thermoplastic Connectors



18 x Size 16 Contacts Configuration

Amphenol Sine Systems' **AT Series™** connectors are a high-performance, IP68/69K rated (mated), thermoplastic, cost-effective solution with superior environmental seals and seal retention capabilities available in 2, 3, 4, 6, 8, 12, 13 (Mixed), 15 (Mixed) and 18 position. The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. All of our **AT Series™** connectors offer a wide range of end caps and strain relief options and have been developed to be compatible with all other existing standard products industry-wide. The 18 Position is available in a **PanelMate™** option.

Key Features

- Optional keying A, B, C, D and E (color-specified)
- Optional **SR02 Strain Relief** protects each wire cavity to maximize sealing integrity
- Plug and receptacle housings are pre-assembled with internal rear seals and covers
- Superior front and rear environmental seals and seal retention capabilities provide a multi-sealing perimeter against environmental ingress
















Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.

Operating Temperature	-55°C to +125°C
Max Current Rating (Amperage)	13A
Mating Cycle Durability	>100
IP Rating	IP68/69K (in mated condition)
Wire Range	Size 16 (14-20AWG) contacts
Contacts	Available in Machined and Stamped & Formed: Copper Alloy, Nickel-Plated, Gold plating optional
Housing/Latch Material	Thermoplastic/Integrated latch for mating
Sealing Material	Silicone Rubber
Dielectric Withstanding Voltage	Less than 2 milliamps current leakage @ 1500V AC
Insulation Resistance	1000 megohms minimum at 25°C
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector






Standard products. Custom solutions
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18 Position - AT Series™ Plugs

Image	Part Number	Description	Size	Amp
	AT16-18SA-K004	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key A, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SB-K004	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SC-K004	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key C, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SD-K004	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key D, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SE-K004	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key E, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SA-EK02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key A, Gray Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SC-EK02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SD-EK02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SE-EK02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key E, Gray Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SA-SR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key A, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SB-SR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SC-SR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key C, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SD-SR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key D, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SE-SR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key E, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SA-EKSR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key A, Grey Body (No Add'l Wedgelock Required)	16	13A







18 Position - **AT Series™** Plugs, cont.

Image	Part Number	Description	Size	Amp
	AT16-18SC-EKSR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SD-EKSR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18SE-EKSR02	18 Position, Plug, Socket, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key E, Grey Body (No Add'l Wedgelock Required)	16	13A

 18 Position - **AT Series™** Receptacles

	AT16-18PA-K004	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key A, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PB-K004	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-K004	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key C, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-K004	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key D, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-K004	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key E, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PA-EK02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key A, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-EK02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-EK02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-EK02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), End Cap, Key E, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PA-SR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key A, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PB-SR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-SR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key C, Black Body (No Add'l Wedgelock Required)	16	13A


18 Position - **AT Series™** Receptacles, cont.

Image	Part Number	Description	Size	Amp
	AT16-18PD-SR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key D, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-SR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key E, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PA-EKSR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key A, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-EKSR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-EKSR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-EKSR02	18 Position, Receptacle, Pin, AT Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Key E, Grey Body (No Add'l Wedgelock Required)	16	13A




18 Position - **PanelMate™ AT** Receptacles

	AT16-18PA-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed A, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PB-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed E, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PA-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed A, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PB-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed D, Brown Body (No Add'l Wedgelock Required)	16	13A

18 Position - **PanelMate™ AT** Receptacles, cont.

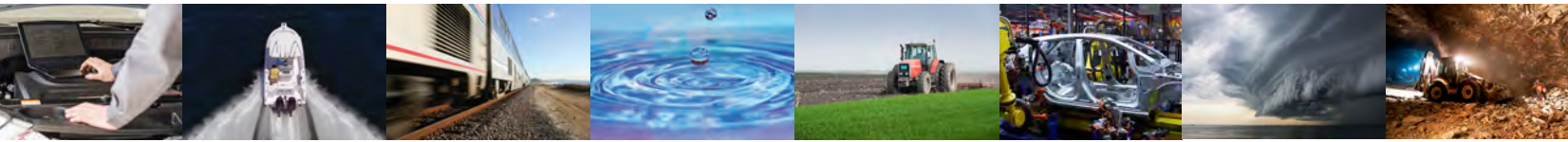
Image	Part Number	Description	Size	Amp
	AT16-18PE-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed E, Grey Body (No Add'l Wedgelock Required)	16	13A

18 Position - **AT Series™** Accessories

	AT16-1518S-CAP	Protective Cover for 12, 15, 18 Position AT Series™ Plugs, Black Body		-
	ATBS-PS-1805	Backshell for 15 & 18 Pos, AT Series™, Black Body		-
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16		-

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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AT ATSeries™ Cable Assemblies



Amphenol Sine Systems' **AT Series™ Cable Assemblies** are an overmolded strain relief option for our high-performance, thermoplastic, cost-effective **AT Series™ Connectors**.

Available in 2, 3, 4, 6, 8 and 12 position Plugs and Receptacles with single-ended cordset standard lengths of 1, 2, 4, 5 and 10 Meters. Contact Customer Service for custom cable length options.



SP Structure+™ AT

Our Plug assemblies feature our **StructurePlus™ AT** design, an engineered, one-piece, solid body construction specifically designed for cable assembly operations. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.

The process utilizes first-quality resins which encapsulate the wire terminations into the connector housing creating a highly functional & compact strain relief to ensure a long service life. Built to exceptional quality standards, the resulting barrier of protection provides **IP68 rated (1M of water for 24 hrs in mated condition)** sealing capability, preventing liquid ingress for a variety of markets such as Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural.



A ASeries™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732

Specifications

Temperature Range	-40°C to +100°C	
Current Rating @ 25°C Ambient	2 Pos: 15A Max	6 Pos: 10A Max
	3 Pos: 14A Max	8 Pos: 10A Max
	4 Pos: 12A Max	12 Pos: 8A Max
Voltage	300V AC/DC	
Min. Mating Cycles	>100	
Sealing Protection	IP68 (1M of water for 24 hrs in mated condition)	
Housing/Overmold	PA66/Polyamide	
Seals	Silicone Rubber	
Keying Options (8 & 12 pos only)	Key A - Grey, Key B - Black, Key C - Green, Key D - Brown	

Contacts	Size 16, Nickel-plated
RoHS Compliant	All connector materials meet the requirements of the EU Directive 2002/95/EC
Cable Components	18AWG, SRPVC Insulated Conductors 41/34 Bare Copper
Cable Type	TPE, Black
Cable Approvals	AWM 21270, CSA AWM I/II A/B FT4
Cable Resistance	Sunlight and Oil Resistant
RoHS 3 Compliant	All cable materials meet the requirements of the EU Directive 2015/863

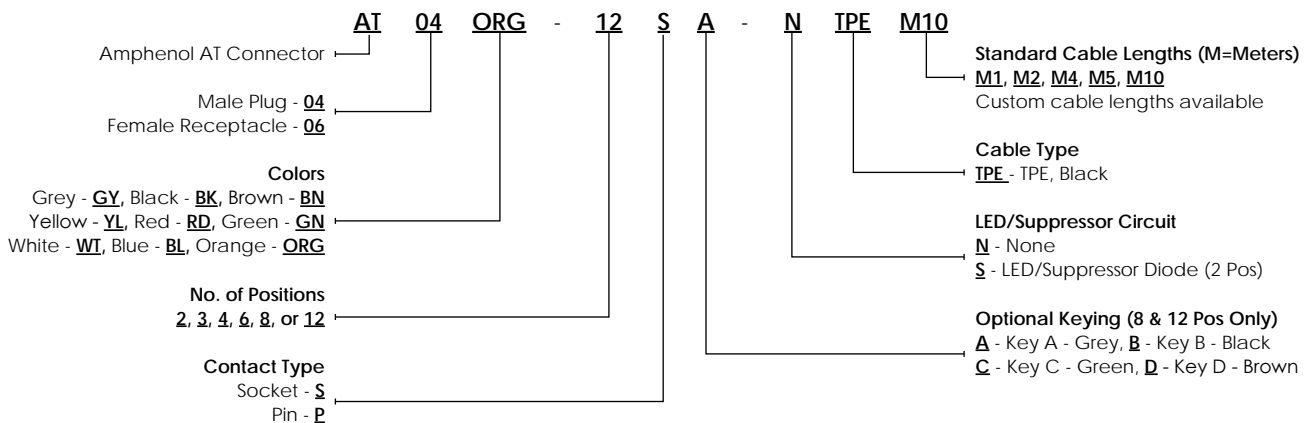
Note: All datasheets containing specifications and wiring diagrams can be found at www.amphenol-sine.com under their specific part numbers.

Key Features

- Enhanced Sealing Protection
- Relieves Stress on Conductors
- Ergonomic Grip Design
- Integrated Lanyard Holes
- Cosmetically Appealing
- Tamper-Proof
- Protective Caps Available for 2, 3, 4, 6, 8 & 12 Position Plugs



AT Series™ Cable Assembly Part Numbering Sequence



AT Series™ Cable Assemblies

Available in M1, M2, M4, M5 and M10 lengths (M = Meters)

Image	Part Number	Description	Base Product Line
	AT04GY-2P-N-TPE-MX	2 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-2S	AT ATSeries™
	AT06GY-2S-N-TPE-MX	2 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT04-2P	SP Structure+™ AT
	AT04GY-3P-N-TPE-MX	3 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-3S	AT ATSeries™
	AT06GY-3S-N-TPE-MX	3 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT04-3P	SP Structure+™ AT
	AT04GY-4P-N-TPE-MX	4 Pos, Molded Recep, Black TPE, Single-ended Cable Assy, AT Series™, Mates to AT06-4S	AT ATSeries™
	AT06GY-4S-N-TPE-MX	4 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT04-4P	SP Structure+™ AT
	AT04GY-6P-N-TPE-MX	6 Pos, Molded Recep, Black TPE, Single-ended Cable Assy, AT Series™, Mates to AT06-6S	AT ATSeries™
	AT04GY-6S-N-TPE-MX	6 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT06-6P	SP Structure+™ AT
	AT04GY-08PX-N-TPE-MX	8 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-08SA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	AT ATSeries™
	AT04GY-08SX-N-TPE-MX	8 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT06-08PA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	SP Structure+™ AT
	AT04GY-12PX-N-TPE-MX	12 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-12SA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	AT ATSeries™
	AT04GY-12SX-N-TPE-MX	12 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT06-12PA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	SP Structure+™ AT

Related Items

A A Series™ Caps

Protective Thermoplastic Caps for AT, ATM and ATP Series™ Connectors

Available in 2-12 position (depending on Series)

Amphenol Sine Systems' **A Series™ Caps** are a low-cost alternative to using standard connectors with sealing plugs and provide an optional protective covering for harsh environmental and industrial applications. Fully sealed protective plug & receptacle caps are available for the AT, ATM and ATP Series™.

All caps are IP68 rated (1M of Water for 24 Hrs) when mated.

Potential Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments



SP Structure+™ Family

Overmold Compatible Connectors for AT, AT LED, ATHD and ATP Series™ Connectors

Available in 1, 2, 3, 4, 6, 8 and 12 position

Amphenol Sine Systems' **StructurePlus™ Family** of overmold compatible connectors are an **engineered, one-piece, solid body construction and are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements**. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.

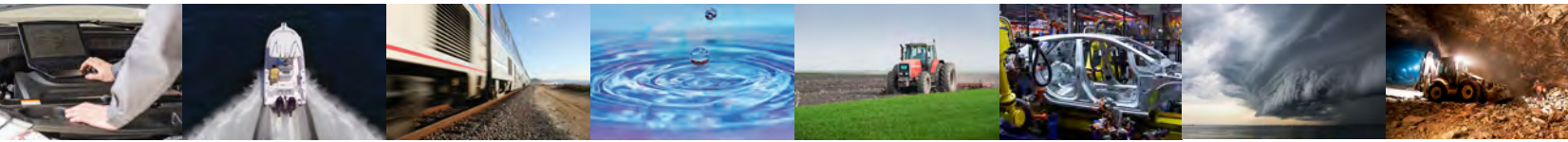
Key Features

- **StructurePlus™ AT**-2, 3, 4, 6, 8, 12 pos, 13A; **StructurePlus™ AT LED**-2 pos, 13A; **StructurePlus™ ATHD**-1 pos, 25-60A; **StructurePlus™ ATP**-6 pos, 25A
- Engineered one-piece solid body construction, eliminates previously required snap-on-back shell
- Intermatable with industry standard connectors

Potential Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural as well as other demanding interconnect applications



For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



AT ATSeries™ SR01/02



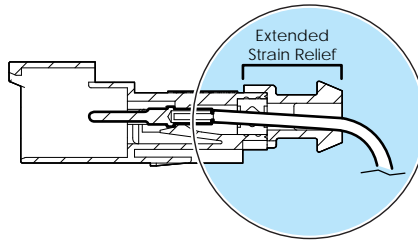
Extended Strain Relief Series

Available in 2, 3, 4, 6, 8, 12 and 18 position

Amphenol Sine Systems' AT Series™ SR01 and SR02 connectors are a high-performance, thermoplastic, cost-effective solution with specifically-designed, extended strain relief wire cavities that protect each individual wire seal, eliminating stress on the rear seal while maintaining an IP68/69K rated (mated) performance regardless of wire bundle direction or improper installation. **The AT Series™ SR01 and SR02 meet all the performance criteria and specifications of the AT Series™**, is available in a wide variety of custom colors, and accepts all A Series™ Size 16 contacts.



PROTECTS each wire cavity to maximize sealing integrity.



MAINTAINS proper wire routing 100% of the time.

AT ATSeries™ SR01 Standard Diameter Rear Seals (Red) - 2.24mm (.088") - 3.68mm (.145")

AT ATSeries™ SR02 Reduced Diameter Rear Seals (Green) - 1.35mm (.053") - 3.05mm (.120")

Applications: Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy, as well as other demanding interconnect applications

Key Features

- Heat-shrink capable shroud for applications requiring heat shrink (The use of heat shrink is NOT required to meet existing IP standards)
- Enhanced Sealing Plugs for simplified insertion/removal, improved retention capabilities and include a positive 'stop' for full insertion verification
- Also available in **PanelMate™ AT (-PM15)** (SR01 Standard Rear Seal) or **-PM16** (SR02 Reduced Diameter Rear Seal)
- Thermoplastic housing with excellent UV resistance
- Wedgelocks ensure proper contact alignment & retention
- Integrated latch for mating ensures a secure connection
- Superior front and rear environmental sealing
- Compatible with existing standard products industry-wide



Standard vs SR01/02 Extended Strain Relief



Heat-Shrink Capable Strain Relief



Enhanced Sealing Plugs



A ASeries™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732



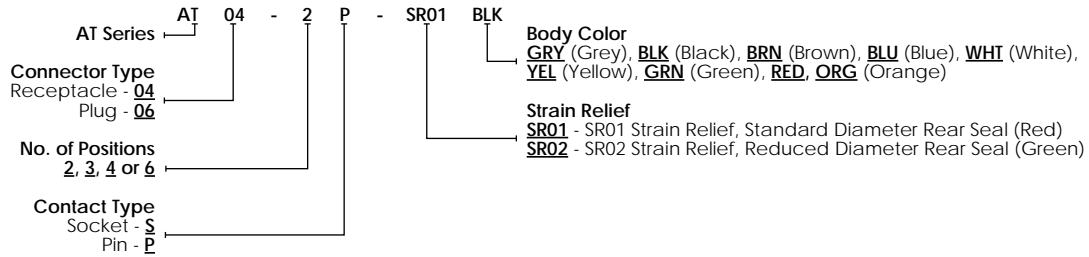
Specifications

Operating Temperature	-55°C to +125°C
Max Current Rating (Amp)	13A
Mating Cycles	>100
IP Rating	IP68/69K (in mated condition)
Wire Range	Size 16, 14-20AWG
Contacts	Machined; Stamped & Formed; Copper Alloy, Nickel-Plated Gold plating optional
Housing/Latch Material	Thermoplastic/Integrated latch for mating
Sealing Material	Silicone Rubber
Dielectric Withstanding Voltage	Less than 2 mA current leakage @ 1500V AC
Insulation Resistance	1000 megohms minimum at 25°C
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)

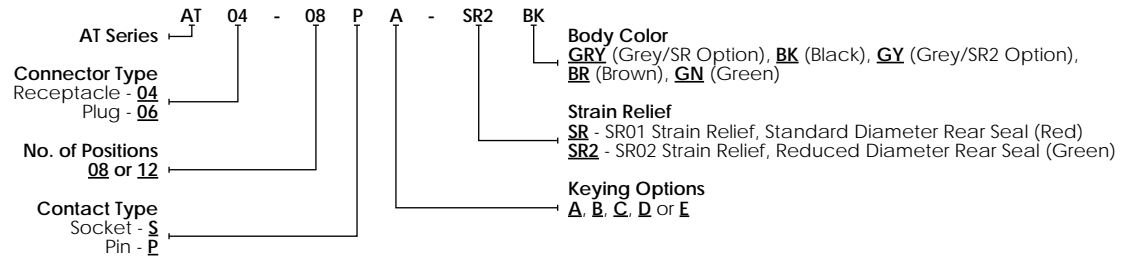
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector



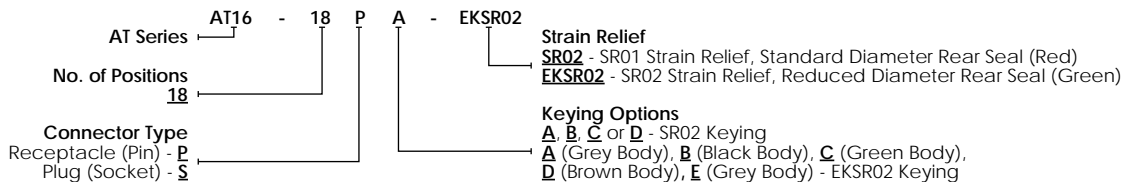
Part Numbering Sequence (2, 3, 4 and 6 position)









Part Numbering Sequence (08 and 12 position)






Part Numbering Sequence (18 position)




2 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

Image	Part Number	Description	Size	Amp
	AT06-2S-SR01GRY	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02GRY	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01BLK	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02BLK	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01BLU	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02BLU	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01BRN	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02BRN	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01WHT	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02WHT	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01YEL	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02YEL	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01GRN	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02GRN	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01RED	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02RED	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR01ORG	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-SR02ORG	2 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AW2S	2 Position, Plug Wedgelock, Green	-	-
	AW2S-A	2 Position, Plug Wedgelock, Keyed A, Grey	-	-
	AW2S-B	2 Position, Plug Wedgelock, Keyed A, Black	-	-
	AW2S-C	2 Position, Plug Wedgelock, Keyed A, Green	-	-
	AW2S-D	2 Position, Plug Wedgelock, Keyed A, Brown	-	-







3 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT06-3S-SR01GRY	3 Position, Plug, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Gray Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02GRY	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01BLK	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02BLK	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01BLU	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02BLU	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01BRN	3 Position, Plug, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02BRN	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01WHT	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02WHT	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01YEL	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02YEL	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01GRN	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02GRN	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01RED	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02RED	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR01ORG	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-SR02ORG	3 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW3S.)	16	13A
	AW3S	3 Position, Plug Wedgelock, Green	-	-
	AW3S-1939	3 Position, J1939 Plug Wedgelock, Blue	-	-


4 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	AT06-4S-SR01GRY	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02GRY	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01BLK	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02BLK	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01BLU	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02BLU	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A



4 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT06-4S-SR01BRN	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02BRN	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01WHT	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02WHT	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01YEL	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02YEL	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), vStrain Relief, Yellow Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01GRN	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02GRN	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01RED	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02RED	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR01ORG	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-SR02ORG	4 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AW4S	4 Position, Plug Wedgelock, Green	-	-
	AW4S-A	4 Position, Plug Wedgelock, Keyed A, Grey	-	-
	AW4S-B	4 Position, Plug Wedgelock, Keyed A, Black	-	-
	AW4S-C	4 Position, Plug Wedgelock, Keyed A, Green	-	-
	AW4S-D	4 Position, Plug Wedgelock, Keyed A, Brown	-	-



6 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	AT06-6S-SR01GRY	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02GRY	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Gray Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01BLK	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02BLK	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01BLU	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02BLU	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01BRN	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02BRN	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW6S.)	16	13A


6 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT06-6S-SR01WHT	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02WHT	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01YEL	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02YEL	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01GRN	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02GRN	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01RED	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02RED	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR01ORG	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW6S.)	16	13A
	AT06-6S-SR02ORG	6 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW6S.)	16	13A
	AW6S	6 Position, Plug Wedgelock, Green	-	-



8 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	AT06-08SA-SRGRY	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Grey Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SA-SR2GY	8 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Grey Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SA-SRBK	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Black Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SA-SR2BK	8 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Grey Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SB-SRBK	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed B, SR01 Strain Relief, Black Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SB-SR2BK	8 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed B, SR02 Strain Relief, Black Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SC-SRGN	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed C, SR01 Strain Relief, Green Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SC-SR2GN	8 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Green Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SD-SRBR	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed D, SR01 Strain Relief, Brown Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SD-SR2BR	8 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Brown Body (Requires Wedgelock AW8S.)	16	13A
	AW8S	8 Position, Plug Wedgelock, Green	-	-


12 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	AT06-12SA-SRGRY	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Grey Body (Requires Wedgelock AW12S.)	16	13A
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12 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT06-12SA-SR2GY	12 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Grey Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SA-SRBK	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Black Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SA-SR2BK	12 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Black Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SB-SRBK	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed B, SR01 Strain Relief, Black Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SB-SR2BK	12 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed B, SR02 Strain Relief, Black Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SC-SRGN	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed C, SR01 Strain Relief, Green Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SC-SR2GN	12 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Green Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SD-SRBR	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), Keyed D, SR01 Strain Relief, Brown Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SD-SR2BR	12 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Brown Body (Requires Wedgelock AW12S.)	16	13A
	AW12S	12 Position, Plug Wedgelock, Green	-	-







18 Position - AT Series™ SR01/02 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	AT16-18SA-SR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18SA-EKSR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Grey Body (No Wedgelock Required.)	16	13A
	AT16-18SB-SR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed B, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18SC-SR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18SC-EKSR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Green Body (No Wedgelock Required.)	16	13A
	AT16-18SD-SR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18SD-EKSR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Brown Body (No Wedgelock Required.)	16	13A
	AT16-18SE-SR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed E, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18SE-EKSR02	18 Position, Plug, Socket, Reduced Diameter Rear Seal (Green), Keyed E, SR02 Strain Relief, Grey Body (No Wedgelock Required.)	16	13A


2 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	AT04-2P-SR01GRY	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Gray Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02GRY	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01BLK	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02BLK	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01BLU	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02BLU	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A




2 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT04-2P-SR01BRN	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02BRN	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01WHT	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02WHT	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01YEL	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02YEL	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01GRN	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02GRN	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01RED	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR02RED	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-SR01ORG	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW2P.)	16	13A
	AT04-2P-SR02ORG	2 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AW2P	2 Position, Receptacle Wedgelock, Green	-	-
	AW2P-A	2 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AW2P-B	2 Position, Receptacle Wedgelock, Keyed A, Black	-	-
	AW2P-C	2 Position, Receptacle Wedgelock, Keyed A, Green	-	-
	AW2P-D	2 Position, Receptacle Wedgelock, Keyed A, Brown	-	-

3 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	AT04-3P-SR01GRY	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Gray Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02GRY	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01BLK	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02BLK	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01BLU	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02BLU	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01BRN	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02BRN	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW3P.)	16	13A

3 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT04-3P-SR01WHT	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02WHT	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01YEL	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02YEL	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01GRN	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02GRN	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01RED	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02RED	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR01ORG	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW3P.)	16	13A
	AT04-3P-SR02ORG	3 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW3P.)	16	13A
	AW3P	3 Position, Receptacle Wedgelock, Green	-	-
	AW3P-1939	3 Position, J1939 Receptacle Wedgelock, Blue	-	-

4 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	AT04-4P-SR01GRY	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02GRY	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Gray Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01BLK	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02BLK	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01BLU	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02BLU	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01BRN	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02BRN	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01WHT	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02WHT	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01YEL	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02YEL	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01GRN	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02GRN	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A



4 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT04-4P-SR01RED	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02RED	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR01ORG	4 Position, Receptacle, Pin, Strain Relief, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-SR02ORG	4 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AW4P	4 Position, Receptacle Wedgelock, Green	-	-
	AW4P-A	4 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AW4P-B	4 Position, Receptacle Wedgelock, Keyed A, Black	-	-
	AW4P-C	4 Position, Receptacle Wedgelock, Keyed A, Green	-	-
	AW4P-D	4 Position, Receptacle Wedgelock, Keyed A, Brown	-	-



6 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	AT04-6P-SR01GRY	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02GRY	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01BLK	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02BLK	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01BLU	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02BLU	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Blue Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01BRN	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02BRN	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Brown Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01WHT	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02WHT	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, White Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01YEL	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02YEL	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Yellow Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01GRN	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02GRN	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Green Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR01RED	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02RED	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Red Body (Requires Wedgelock AW6P.)	16	13A


6 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AT04-6P-SR01ORG	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-SR02ORG	6 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Orange Body (Requires Wedgelock AW6P.)	16	13A
	AW6P	6 Position, Receptacle Wedgelock, Green	-	-


8 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	AT04-08PA-SRGRY	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Grey Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PA-SR2GY	8 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Grey Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PA-SRBK	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Black Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PA-SR2BK	8 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Black Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PB-SRBK	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed B, SR01 Strain Relief, Black Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PB-SR2BK	8 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed B, SR02 Strain Relief, Black Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PC-SRGN	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed C, SR01 Strain Relief, Green Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PC-SR2GN	8 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Green Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PD-SRBR	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed D, SR01 Strain Relief, Brown Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PD-SR2BR	8 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Brown Body (Requires Wedgelock AW8P.)	16	13A
	AW8P	8 Position, Receptacle Wedgelock, Green	-	-

12 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	AT04-12PA-SRGRY	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Grey Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-SR2GY	12 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Gray Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-SRBK	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed A, SR01 Strain Relief, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-SR2BK	12 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PB-SRBK	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed B, SR01 Strain Relief, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PB-SR2BK	12 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed B, SR02 Strain Relief, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-SRGN	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed C, SR01 Strain Relief, Green Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-SR2GN	12 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Green Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PD-SRBR	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), Keyed D, SR01 Strain Relief, Brown Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PD-SR2BR	12 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Brown Body (Requires Wedgelock AW12P.)	16	13A



12 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AW12P	12 Position, Receptacle Wedgelock, Green	-	-

18 Position - AT Series™ SR01/02 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

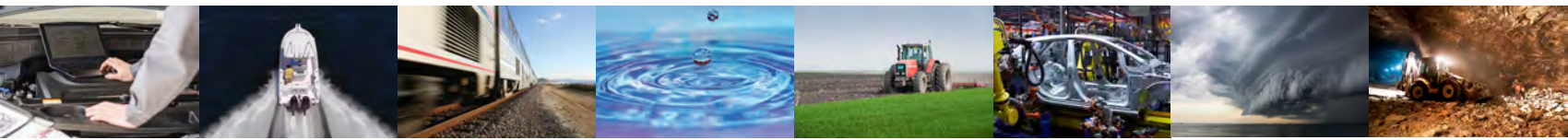
	AT16-18PA-SR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18PA-EKSR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed A, SR02 Strain Relief, Grey Body (No Wedgelock Required.)	16	13A
	AT16-18PB-SR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed B, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18PC-SR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18PC-EKSR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed C, SR02 Strain Relief, Green Body (No Wedgelock Required.)	16	13A
	AT16-18PD-SR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18PD-EKSR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed D, SR02 Strain Relief, Brown Body (No Wedgelock Required.)	16	13A
	AT16-18PE-SR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed E, SR02 Strain Relief, Black Body (No Wedgelock Required.)	16	13A
	AT16-18PE-EKSR02	18 Position, Receptacle, Pin, Reduced Diameter Rear Seal (Green), Keyed E, SR02 Strain Relief, Grey Body (No Wedgelock Required.)	16	13A

AT Series™ SR01/02 Accessories

	A114017-SR	Blank Sealing Plug, Size 16, Black	-	-
	AT13-217-1605	Blank Locking Sealing Plug, Size 16, White	-	-
	AT13-217-1605-SR	Blank Locking Sealing Plug, Size 16, Red	-	-

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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AT Series™ LED



2 Pos, 13A LED Plug Connectors in 12V/24V

Amphenol Sine Systems' **AT Series™ LED (Light Emitting Diode) Plug Connectors**, available in a 12V and/or 24V LED plug option, are a highly-visible, field-serviceable, cost-effective solution for quick visual verification of power to help reduce troubleshooting time. Available in both Black or Grey body shells with clear endcap on our **AT Series™ LED** version, as well as Clear body shells with our **StructurePlus™ AT LED** version.

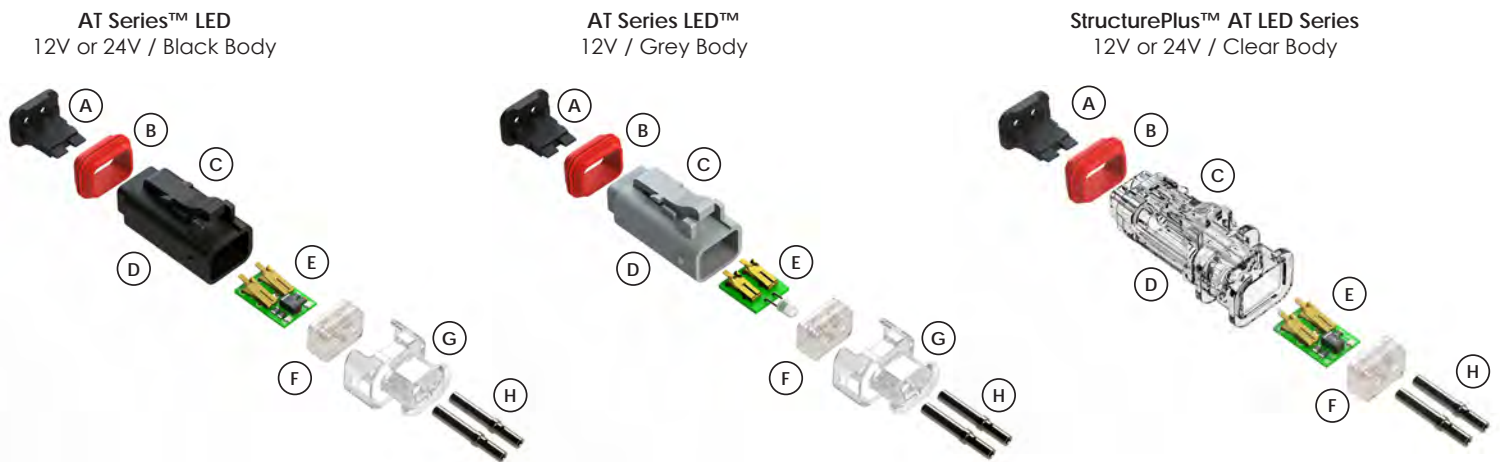
(The engineered, one-piece, solid body construction of our **StructurePlus™** overmold compatible connectors results in enhanced connection integrity that is an essential component for connecting cable in harsh environments, as well as custom molding and shrink tube options.)



Key Features

- Environmentally-sealed for harsh environments
- Front and Rear Seals (Standard and Reduced Diam. Avail.)
- Available with or without Reverse Voltage Protection Circuit
- AT-SR01™ Enhanced Strain Relief End Caps come factory assembled on the plug
- Accepts Solid or Stamped & Formed Size 16 AT Series™ contacts
- No additional assembly required other than insertion of chosen contacts

Potential Applications: Solenoids, Valves, Sensors, Manifolds, Coils, Diagnostics, Electronic Controls



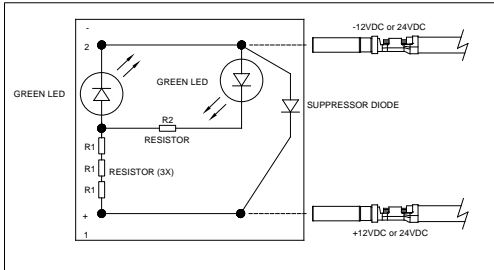
A	AW2S-LED Wedgelock (Sold Separately)
B	Front Seal
C	Latching Clip
D	Black, Grey or Clear Options

E	Integral PCB Board/LED (12V/24V; White, Red, Green LED Options)
F	Rear Wire Seal (Standard or Reduced Diameter)
G	AT-SR01™ Enhanced Strain Relief End Cap (Clear)
H	Standard AT Series™ 13A/Size 16 Contacts (S&F or Solid Options)

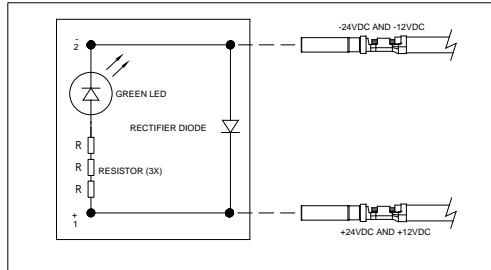


Standard products. Custom solutions
Customer Service +1 800 394 7732

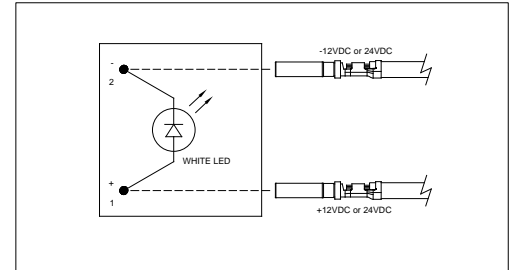
12V or 24V LED w Integrated Rectifier Diode and Reverse Voltage Protection (RVP) Circuit



12V and 24V LED w Integrated Rectifier Diode and Reverse Voltage Protection (RVP) Circuit



12V or 24V LED



AT Series™ Stamped & Formed Contacts

Part Number	Description	Size	AWG	Type
AT62-14-0122	Female Contact, Socket, Nickel-plated	16	14-16	S&F
AT62-14-0144	Female Contact, Socket, Gold-plated	16	14-16	S&F
AT62-16-0122	Female Contact, Socket, Nickel-plated	16	16-18	S&F
AT62-16-0144	Female Contact, Socket, Gold-plated	16	16-18	S&F
AT62-16-0622	Female Contact, Socket, Nickel-plated	16	18-20	S&F
AT62-16-0644	Female Contact, Socket, Gold-plated	16	18-20	S&F
AT60-14-0122	Male Contact, Pin, Nickel-plated	16	14-16	S&F
AT60-14-0144	Male Contact, Pin, Gold-plated	16	14-16	S&F
AT60-16-0122	Male Contact, Pin, Nickel-plated	16	16-18	S&F
AT60-16-0144	Male Contact, Pin, Gold-plated	16	16-18	S&F
AT60-16-0622	Male Contact, Pin, Nickel-plated	16	18-20	S&F
AT60-16-0644	Male Contact, Pin, Gold-plated	16	18-20	S&F














AT Series™ Solid Contacts

Part Number	Description	Size	AWG	Type
AT62-209-1631	Female Contact, Socket, Gold-plated	16	14	Solid
AT62-209-16141	Female Contact, Socket, Nickel-plated	16	14	Solid
AT62-201-1631	Female Contact, Socket, Gold-plated	16	16-20	Solid
AT62-201-16141	Female Contact, Socket, Nickel-plated	16	16-20	Solid
AT60-215-1631	Male Contact, Pin, Gold-plated	16	14	Solid
AT60-215-16141	Male Contact, Pin, Nickel-plated	16	14	Solid
AT60-202-1631	Male Contact, Pin, Gold-plated	16	16-20	Solid
AT60-202-16141	Male Contact, Pin, Nickel-plated	16	16-20	Solid



2 Position - AT Series™ LED Plugs and Wedgelocks

Image	Part Number	Description	Size	Amp
	AT06-2S-LED1201	2 Position, Plug, Socket, AT Series™ LED, 12V, Standard Diameter Rear Seal (Red), White LED, AT-SR01™ Clear End Cap, Grey Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1202	2 Position, Plug, Socket, AT Series™ LED, 12V, Reduced Diameter Rear Seal (Green), White LED, AT-SR01™ Clear Endcap, Grey Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1220	2 Position, Plug, Socket, AT Series™ LED, 12V, Standard Diameter Rear Seal (Red), Red LED, AT-SR01™ Clear Endcap, Grey Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1224V	2 Position, Plug, Socket, AT Series™ LED, 12V or 24V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1224VR	2 Position, Plug, Socket, AT Series™ LED, 12V or 24V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1230	2 Position, Plug, Socket, AT Series™ LED, 12V, Standard Diameter Rear Seal (Red), Green LED, AT-SR01™ Clear Endcap, Grey Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED12V01	2 Position, Plug, Socket, AT Series™ LED, 12V, Standard Diameter Rear Seal (Red), RVP Circuit, Green LED, AT-SR01™ Clear Endcap, Grey Body (Requires Wedgelock AW2S-LED)	16	13A





2 Position - AT Series™ LED Plugs and Wedgelocks, cont.

Image	Part Number	Description	Size	Amp
	AT06-2S-LED12VR1	2 Position, Plug, Socket, AT Series™ LED, 12V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, AT-SR01™ Clear Endcap, Grey Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED2401	2 Position, Plug, Socket, AT Series™ LED, 24V, Standard Diameter Rear Seal (Red), White LED, AT-SR01™ Clear End Cap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED2402	2 Position, Plug, Socket, AT Series™ LED, 24V, Reduced Diameter Rear Seal (Green), White LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED2420	2 Position, Plug, Socket, AT Series™ LED, 24V, Standard Diameter Rear Seal (Red), Red LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED2430	2 Position, Plug, Socket, AT Series™ LED, 24V, Standard Diameter Rear Seal (Red), Green LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED24V01	2 Position, Plug, Socket, AT Series™ LED, 24V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED24VR1	2 Pos, Plug, Socket, AT Series™ LED, 24V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, AT-SR01™ Clear Endcap, Black Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1224V-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V or 24V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, Clear Body (AW2S-LED)	16	13A
	AT06-2S-LED1224VR-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V or 24V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, Clear Body (Requires Wedgelock AW2S-LED),	16	13A
	AT06-2S-LED12V01-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED12VR1-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, Clear Body (Requires Wedgelock AW2S-LED),	16	13A
	AT06-2S-LED24V01-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 24V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED24VR1-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 24V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, Clear Body, (Requires Wedgelock AW2S-LED),	16	13A

2 Position - AT Series™ LED Plugs and Wedgelocks, cont.

Image	Part Number	Description	Size	Amp
	AW2S-LED	2 Position, LED Wedgelock, Black	-	-
	50-80590	AT Series™ LED Contact Removal Tool	-	-

2 Position - AT Series™ LED Plug Kits

	AT06-2S-LED12K1	2 Position, Plug Kit, AT Series™ LED, 12V, Standard Diameter Rear Seal (Red), White LED, AT-SR01™ Clear Endcap, Grey Body, Contacts and Wedge included	16	13A
	AT06-2S-LED12K2	2 Position, Plug Kit, AT Series™ LED, 12V, Reduced Diameter Rear Seal (Green), White LED, AT-SR01™ Clear Endcap, Grey Body, Contacts and Wedge included	16	13A
	AT06-2S-LED24K1	2 Position, Plug Kit, AT Series™ LED, 24V, Standard Diameter Rear Seal (Red), White LED, AT-SR01™ Clear Endcap, Black Body Contacts and Wedge included.	16	13A
	AT06-2S-LED24K2	2 Position, Plug Kit, AT Series™ LED, 24V, Reduced Diameter Rear Seal (Green), White LED, AT-SR01™ Clear Endcap, Black Body, Contacts and Wedge included.	16	13A

Related Items

SP Structure+™ Family

Overmold Compatible Connectors for AT, AT LED, ATHD and ATP Series™ Connectors



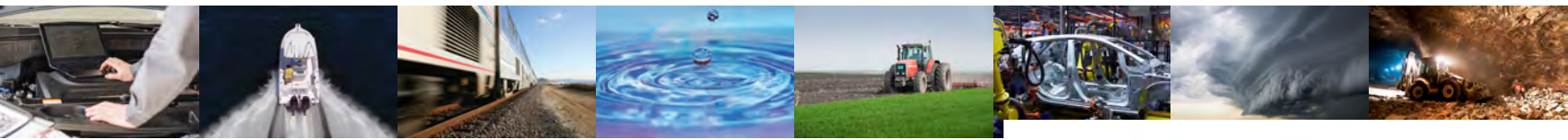
Available in 1, 2, 3, 4, 6, 8 and 12 position

Amphenol Sine Systems' StructurePlus™ Family of overmold compatible connectors are an **engineered, one-piece, solid body construction and are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements.** The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.

Potential Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural as well as other demanding interconnect applications

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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AT ATSeries™ Bulkhead

48 Position Bulkhead Receptacles



Available in 4 X 12 (48 Pos) Configuration

Our **AT Series™ Bulkhead Receptacle** combines a robust, easy to mount IP67 sealed housing with the benefits of **AT Series™ (13A)** connectors requiring less operating space, allowing higher density installation. Available in a 4 X 12 (48 Pos) configuration, each connector module is individually keyed, and color coded to prevent mis-mating. Suitable for a wide range of applications with the ability to attach from the front side of device and secure locking with high resistance to vibrations offers increased design flexibility.

The **AT Series™** connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Connector housings are manufactured with a durable, UV resistant, thermoplastic material with dielectric/mechanical properties and environmentally RoHS compliant. The sealing system is comprised of front and rear silicone seals, multi-sealing perimeter against environmental ingress. Contacts are derived from quality copper alloy to ensure an electrically-reliable connection.

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural and other demanding interconnect architectures

Key Features

- Standard or Reduced Diameter Wire Sealing Capability
- Captive Bulkhead Seal with Advanced Environmental Sealing Performance (IP67)
- Colored Coded for Easy Visual Identification & Individually "Keying" Prevents Mis-mate
- Rapid & Secure Installation, Compact & Lightweight
- Space Saving, Easy Attachment to Connector at Any Time
- Suitable for a Wide Range of Harsh Applications
- Common Contact System (Size 16, 14-20AWG)
- Excellent Tactile-Click Mating
- Compatible with **AT Series™** Plug Connectors and other existing standard products industry-wide.

AT ATSeries™

12 Pos. Plugs
Keyed A/B/C/D



A ASeries™ Family

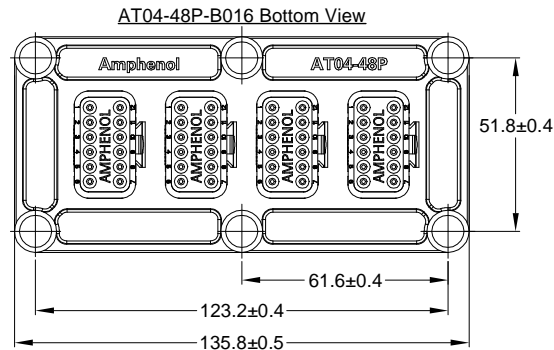
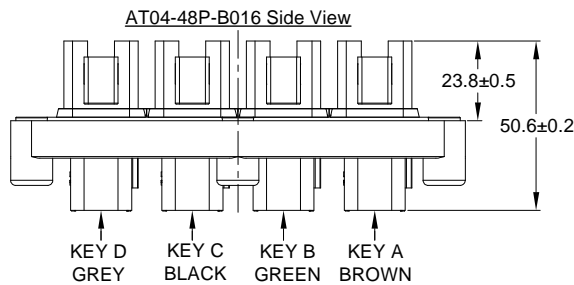


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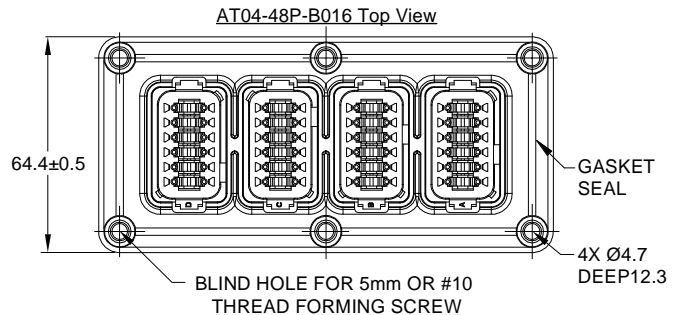
AT Series™ Bulkhead Receptacles and AT Series™ Plugs

Image	Part Number	Description	Contact Size	Amps/Voltage	AWG
	AT04-48P-B016	48 Pos. (4 x 12 Pos.), Receptacle, Keyed A/B/C/D, Sealed Flange (AW12P Wedge sold separately. See below.)	16	13/250	14-20
	AT04-48P-B016RD	48 Pos. (4 x 12 Pos.), Receptacle, Keyed A/B/C/D, Sealed Flange, Reduced Rear Seal (AW12P Wedge sold separately. See below.)	16	13/250	14-20
	AW12P	12 Pos., Wedgelock, Receptacle (AW12P Wedge sold separately.)	-	-	-
	AT06-12SA	12 Pos., Plug, Keyed A (AW12S Wedge sold separately. See below.)	16	13/250	14-20
	AT06-12SB	12 Pos., Plug, Keyed B (AW12S Wedge sold separately. See below.)	16	13/250	14-20
	AT06-12SC	12 Pos., Plug, Keyed C (AW12S Wedge sold separately. See below.)	16	13/250	14-20
	AT06-12SD	12 Pos., Plug, Keyed D (AW12S Wedge sold separately. See below.)	16	13/250	14-20
	AW12S	12 Pos., Wedgelock, Plug (AW12S Wedge sold separately.)	-	-	-



Contact Size and Rear Seal Range

	Contact Size	Min Insulation O.D.	Max Insulation O.D.	AWG Range
Standard	16	2.24mm (.088 in)	3.68mm (.145 in)	14-20
Reduced	16	1.35mm (.053 in)	3.05mm (.120 in)	14-20



For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



AT ATSeries™

Integrated Resistors & Diodes for Heavy Duty Applications

- Bussing • Thermistors • Industry standard options for J1939
- Environmentally-sealed for harsh conditions
- Factory-assembled for simple plug-and-play installation
- Eliminates issues with soldering components in wiring harness
- Custom electronic packaging for all AT, ATP and ATM Series™ connectors



Customized DIY Electronic Packaging Kits Available

Contact Customer Service for Custom Solutions and More



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Standard products. Custom solutions
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AT Series™ Integrated Resistor and Diodes - Receptacles and Plugs

Part	Face View	Part Number	Type	Description
		AT04-2P-R120YEL	Receptacle, Resistor	2 Position, Receptacle, 120 Ohm Resistor, NI Pins, Yellow, Wedgelock
		AT04-2P-THM10K	Receptacle, Thermistor	2 Position, Receptacle, 10K Ohm Thermistor, NI Pins, Red, Wedgelock
		AT04-2P-DIN4GRY	Receptacle, Diode	2 Position, Receptacle, Diode, 1N4004, NI Pins, Grey, Wedgelock
		AT04-3P-RJ120BK	Receptacle, Resistor	3 Position, Receptacle, J1939-11, 120 Ohm Resistor, Gold Pins, Black, Blue Wedgelock
		AT04-3P-RJ120	Receptacle, Resistor	3 Position, Receptacle, J1939-11, 120 Ohm Resistor, Gold Pins, Grey, Blue Wedgelock
		AT04-4P-R1K2K	Receptacle, Resistor	4 Position, Receptacle, 1.2K & 2.7K Ohm Resistor, NI Pins, Grey, Wedgelock
		AT04-6P-R120BL	Receptacle, Resistor	6 Position, Receptacle, 6 Gang Buss w/ 120 Ohm Resistor, NI Pins, Blue, Wedgelock
		AT04-2P-RT01	Receptacle, Terminator	2 Position Receptacle, Pin, Terminator, Black
		AT04-2P-RT02	Receptacle, Terminator	2 Position Receptacle, Pin, Terminator, Black
		AT04-2P-RT06	Receptacle, Diode	2 Position Receptacle, Pin, T.V.S. Diode, Green
		AT04-2P-RT25	Receptacle, Resistor	2 Position Receptacle, Pin, Resistor, Black
		AT04-4P-RT01	Receptacle, Terminator	4 Position Receptacle, Pin, Terminator, Black
		AT04-4P-RT03	Receptacle, Terminator	4 Position Receptacle, Pin, Terminator, Grey
		AT06-2S-R120YEL	Plug, Resistor	2 Position, Plug, 120 Ohm Resistor, NI Sockets, Yellow, Standard Wedgelock
		AT06-2S-D1224V	Plug, Diode	2 Position, Plug, Socket, Integrated Rectifier Diode, 12V or 24V, 13A, Clear Endcap (No LED), Black Body (AW2S-LED Wedgelock Required) Mates to AT04-2P* Receptacle
		AT06-2S-D1224VR	Plug, Diode	2 Position, Plug, Socket, Integrated Rectifier Diode, 12V or 24V, 13A, Reduced Diameter Seal, Clear Endcap (No LED), Black Body (AW2S-LED Wedgelock Required) Mates to AT04-2P* Receptacle
		AT06-3S-RJ120BK	Plug, Resistor	3 Position, Plug, J1939-11, 120 Ohm Resistor, Gold Sockets, Grey, Blue Wedgelock
		AT06-3S-RJ120	Plug, Resistor	3 Position, Plug, J-1939, 120 Ohm Resistor, End Cap, Grey, Blue Wedgelock
		AT06-3S-R680	Plug, Resistor	3 Position, Plug, 680 Ohm Resistor, End Cap, Grey, Standard Wedgelock NOTE: Resistor is between A and B position.

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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ATHD ATHD Series™



Heavy Duty, Thermoplastic, Power Connectors

Available in Single Position

Our **ATHD Series™** Heavy Duty Power Connectors provide an environmentally-sealed connection system and solution to field splices and terminals in harsh environments. Safety features include an integral latch to prevent inadvertent disconnect and an audible/tactile "click" provides circuit confirmation. Precision machined contact technology maximizes performance and durability while delivering up to 100A of power.

Available in **In-Line (Wire-to-Wire)**, **BoardLock™**, **PanelMate™** and **StructurePlus™** options. Also available as cable assemblies in a variety of standard lengths (1, 2, 4, 5 and 10 Meter).



BoardLock™



PanelMate™



StructurePlus™



ATHD Series™ Cable Assemblies

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural

Key Features

- Intermatable with industry standard connectors
- Circular, Thermoplastic Housing
- Integral Latch Prevents Inadvertent Disconnect
- In-line (Wire-to-Wire), BoardLock™ or PanelMate™ Options
- Customized project-specific colors

Available Modifications

- **-BMXX** - BoardLock™ ATHD/ATFHD Receptacle
- **-L009** - PanelMate™ ATHD Receptacle for inside mounting
- **-L013** - PanelMate™ ATHD Receptacle for outside mounting
- **-OM** - StructurePlus™ ATHD Overmold Capable
- **-E003** - Endcap









IP Ratings (in mated condition)	Reference individual datasheets
Current Rating	Up to 100A
Voltage Rating	Up to 1000V
Operating Temperature	-55°C to +125°C
Dielectric Withstand Voltage	Less than 2 Milliamps Current Leakage @ up to 3000V AC
Insulation Resistance	1000 Megohms Minimum @ 25°C
Mating Cycle Durability	>100 Cycles
Wire Size	4-14AWG

A Series™ Family






Standard products. Custom solutions
Customer Service +1 800 394 7732

Single Position - **ATHD Series™** Plugs

Image	Part Number	Description	Size	Amp
	ATHD06-1-4S	Single Position, Plug, Pin, ATHD™, Black Body	4	100A
	ATHD06-1-4S-E003	Single Position, Plug, Socket, ATHD™ Series, Endcap, Black Body	4	100A
	ATHD06-1-8S	Single Position, Plug, Socket, ATHD™, Black Body	8	60A
	ATHD06-1-8S-E003	Single Position, Plug, Socket, ATHD™, Endcap, Black Body	8	60A
	ATHD06-1-12S	Single Position, Plug, Socket, ATHD™, Black Body	12	25A
	ATHD06-1-12S-E003	Single Position, Plug, Socket, ATHD™, Endcap, Black Body	12	25A

Single Position - **StructurePlus™** ATHD Plugs

	ATHD06-1-4S-OM	Single Position, Plug, Socket, StructurePlus™ ATHD, Black body	4	100A
	ATHD06-1-8S-OM	Single Position, Plug, Socket, StructurePlus™ ATHD, Black Body	8	60A
	ATHD06-1-12S-OM	Single Position, Plug, Socket, StructurePlus™ ATHD, Black	12	25A

Single Position - **ATHD Series™** Receptacles

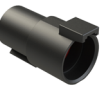





	ATHD04-1-4P	Single Position, Receptacle, Pin, ATHD™, Black Body	4	100A
	ATHD04-1-4P-E003	Single Position, Receptacle, Pin, ATHD™ Series, Endcap, Black Body	4	100A
	ATHD04-1-8P	Single Position, Receptacle, Pin, ATHD™, Black Body	8	60A
	ATHD04-1-8P-E003	Single Position, Receptacle, Pin, ATHD™, Endcap, Black Body	8	60A

Image	Part Number	Description	Size	Amp
	ATHD04-1-12P	Single Position, Receptacle, Pin, ATHD™, Black Body	12	25A
	ATHD04-1-12P-E003	Single Position, Receptacle, Pin, ATHD™, Endcap, Black Body	12	25A







Single Position - **BoardLock™ ATHD** Receptacles

	ATHD04-1-4P-BM11	Single Position, Receptacle, Pin, Size 4, Gold-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, No Potting, Black Body	4	100A
	ATHD04-1-4P-BM12	Single Position, Receptacle, Pin, Size 4, Gold-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, Potting, Black Body	4	100A
	ATHD04-1-4P-BM13	Single Position, Receptacle, Pin, Size 4, Nickel-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, No Potting, Black Body	4	100A
	ATHD04-1-4P-BM14	Single Position, Receptacle, Pin, Size 4, Nickel-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, Potting, Black Body	4	100A
	ATHD04-1-8P-BM11	Single Position, Receptacle, Pin, Size 8, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	8	60A
	ATHD04-1-8P-BM12	Single Position, Receptacle, Pin, Size 8, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	8	60A
	ATHD04-1-8P-BM13	Single Position, Receptacle, Pin, Size 8, Nickel-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	8	60A
	ATHD04-1-8P-BM14	Single Position, Receptacle, Pin, Size 8, Nickel-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	8	60A
	ATHD04-1-12P-BM11	Single Position, Receptacle, Pin, Size 12, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	12	25A
	ATHD04-1-12P-BM12	Single Position, Receptacle, Pin, Size 12, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	12	25A
	ATHD04-1-12P-BM13	Single Position, Receptacle, Pin, Size 12, Tin-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	12	25A
	ATHD04-1-12P-BM14	Single Position, Receptacle, Pin, Size 12, Tin-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	12	25A

Single Position - **BoardLock™ ATFHD** Receptacles

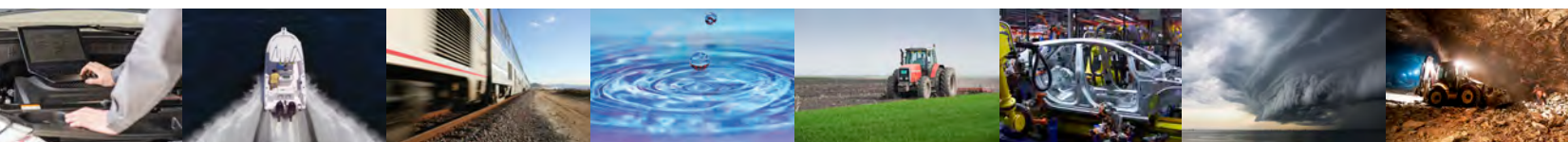
	ATFHD13-1-4P-BM11	Single Position, Receptacle, Pin, Gold-Plated, BoardLock™ ATFHD, Self-Tapping, Black Body	4	100A
	ATFHD13-1-4P-BM13	Single Position, Receptacle, Pin, Nickel-Plated, BoardLock™ ATFHD, Self-Tapping, Black Body	4	100A

Single Position - PanelMate™ ATHD Receptacles

Image	Part Number	Description	Size	Amp
	ATHD04-1-4P-L009	Single Position, Receptacle with Inside Mount Sealed Flange, Pin, Size 4, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	4	100A
	ATHD04-1-4P-L013	Single Position, Receptacle with Outside Mount Sealed Flange, Pin, Size 4, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	4	100A
	ATHD04-1-8P-PM05	Single Position, Receptacle with Flange, Pin, Size 8, PanelMate™ ATHD, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body	8	60A
	ATHD04-1-8P-PM11	Single Position, Receptacle with Flange, Pin, Size 8, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	8	60A
	ATHD04-1-12P-PM05	Single Position, Receptacle with Flange, Pin, Size 12, PanelMate™ ATHD, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body	12	25A
	ATHD04-1-12P-PM11	Single Position, Receptacle with Flange, Pin, Size 12, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	12	25A

ATHD Series™ Contacts

Image	Part Number	Description	Size	Amp
	AT60-203-04141-4	Pin, Machined, 4AWG, Copper Alloy, Nickel-plated	4	100A
	AT60-204-0490	Pin, Machined, 6AWG, Copper Alloy, Nickel-plated	4	100A
	AT60-204-08141	Pin, Machined, 8-10AWG, Copper Alloy, Nickel-plated	8	60A
	AT60-204-12141	Pin, Machined, 12-14AWG, Copper Alloy, Nickel-plated	12	25A
	AT60-220-1231	Pin, Machined, 12-14AWG, Copper Alloy, Gold-plated	12	25A
	AT62-203-04141	Socket, Machined, 6AWG, Copper Alloy, Nickel-plated	4	100A
	AT62-203-04141-4	Socket, Machined, 4AWG, Copper Alloy, Nickel-plated	4	100A
	AT62-203-08141	Socket, Machined, 8-10AWG, Copper Alloy, Nickel-plated	8	60A
	AT62-203-12141	Socket, Machined, 12-14AWG, Copper Alloy, Nickel-plated	12	25A
	AT62-210-1231	Socket, Machined, 12-14AWG, Copper Alloy, Gold-plated	12	25A



ATHD Series™ Cable Assemblies



Available in Single Position Plugs and Receptacles (Size #8 and #12)

Single-ended cordset standard lengths of 1, 2, 4, 5 and 10 Meters. Contact Customer Service for custom cable length options.

Amphenol Sine Systems' **ATHD Series™ Cable Assemblies** are an overmolded, strain relief option based on our **ATHD Series™ Heavy-Duty Power Connectors**, which provide an environmentally sealed connection system and solution to field splices and terminals in harsh environments. Safety features include an integral latch to prevent inadvertent disconnect and an audible, tactile, "click" provide circuit confirmation. Precision machined contact technology maximizes performance and durability while delivering up to 75A of power in our cable assemblies.

Our Plug assemblies feature our **StructurePlus™ ATHD** design, **an engineered, one-piece, solid body construction specifically designed for cable assembly operations**. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.



Structure+™ ATHD



The process utilizes first-quality resins which encapsulate the wire terminations into the connector housing creating a highly functional & compact strain relief to ensure a long service life. Built to exceptional quality standards, the resulting barrier of protection provides **IP68 rated (1M of water for 24 hrs in mated condition)** sealing capability, preventing liquid ingress for a variety of markets such as Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural.



A **ASeries™ Family**



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Cable Assembly Specifications

Temp Range	-40°C to +100°C
Current Rating	Size 8/8AWG: 75A Size 12/10AWG: 40A Size 12/12AWG: 30A
Voltage	600V AC/DC
Mating Cycles	>100
Sealing Protection	IP68 (1M of water for 24 hrs in mated condition)
Housing/Overmold	PA66/Polyamide
Seals	Silicone Rubber
Contacts	Copper Alloy, Nickel-plated
RoHS Compliant	All connector materials meet the requirements of the EU Directive 2002/95/EC

Cable Specifications

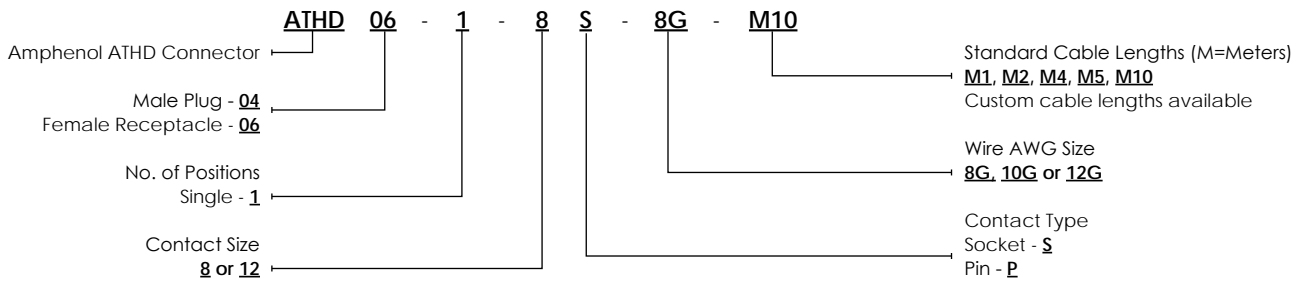
Cable Components	Size 8/8AWG: PVC Insulated Conductors 133x29 Bare Copper, UL1028 Size 12/10AWG: PVC Insulated Conductors 105x30 Bare Copper, UL1015 Size 12/12AWG: PVC Insulated Conductors 65x30 Bare Copper, UL1015
Cable Type	PVC, Black
Cable Approvals	Size 8/8AWG: UL Type AWM, Style 1028, CSA Type TEW, FT1 Flame Rated Size 12/10AWG: UL Type AWM, Style 1015, CSA Type TEW, FT1 Flame Rated Size 12/12AWG: UL Type AWM, Style 1015, CSA Type TEW, FT1 Flame Rated
Cable Resistance	Sunlight and Oil Resistant

Note: All datasheets containing specifications and wiring diagrams can be found at www.amphenol-sine.com under their specific part numbers.

Key Features





Part Numbering Sequence




Single Position - ATHD Series™ Cable Assembly Plugs


Available in M1, M2, M4, M5 and M10 lengths (M = Meters)


Image	Part Number	Description	Size/AWG	Amp
	ATHD06-1-8S-8G-M1	1 Position, Molded Plug, Socket, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 1 Meter Length (Mates to ATHD04-1-8P)	8/8AWG	75A
	ATHD06-1-8S-8G-M2	1 Position, Molded Plug, Socket, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 2 Meter Length (Mates to ATHD04-1-8P)	8/8AWG	75A
	ATHD06-1-8S-8G-M4	1 Position, Molded Plug, Socket, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 4 Meter Length (Mates to ATHD04-1-8P)	8/8AWG	75A
	ATHD06-1-8S-8G-M5	1 Position, Molded Plug, Socket, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 5 Meter Length (Mates to ATHD04-1-8P)	8/8AWG	75A
	ATHD06-1-8S-8G-M10	1 Position, Molded Plug, Socket, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 10 Meter Length (Mates to ATHD04-1-8P)	8/8AWG	75A

	ATHD06-1-12S-10G-M1	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 1 Meter Length (Mates to ATHD04-1-12P)	12/10AWG	40A
	ATHD06-1-12S-10G-M2	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 2 Meter Length (Mates to ATHD04-1-12P)	12/10AWG	40A
	ATHD06-1-12S-10G-M4	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 4 Meter Length (Mates to ATHD04-1-12P)	12/10AWG	40A
	ATHD06-1-12S-10G-M5	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 5 Meter Length (Mates to ATHD04-1-12P)	12/10AWG	40A
	ATHD06-1-12S-10G-M10	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 10 Meter Length (Mates to ATHD04-1-12P)	12/10AWG	40A

	ATHD06-1-12S-12G-M1	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 1 Meter Length (Mates to ATHD04-1-12P)	12/12AWG	30A
	ATHD06-1-12S-12G-M2	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 2 Meter Length (Mates to ATHD04-1-12P)	12/12AWG	30A
	ATHD06-1-12S-12G-M4	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 4 Meter Length (Mates to ATHD04-1-12P)	12/12AWG	30A
	ATHD06-1-12S-12G-M5	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 5 Meter Length (Mates to ATHD04-1-12P)	12/12AWG	30A
	ATHD06-1-12S-12G-M10	1 Position, Molded Plug, Socket, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 10 Meter Length (Mates to ATHD04-1-12P)	12/12AWG	30A


Single Position - ATHD Series™ Cable Assembly Receptacles

	ATHD04-1-8P-8G-M1	1 Position, Molded Receptacle, Pin, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 1 Meter Length (Mates to ATHD06-1-8S)	8/8AWG	75A
	ATHD04-1-8P-8G-M2	1 Position, Molded Receptacle, Pin, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 2 Meter Length (Mates to ATHD06-1-8S)	8/8AWG	75A
	ATHD04-1-8P-8G-M4	1 Position, Molded Receptacle, Pin, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 4 Meter Length (Mates to ATHD06-1-8S)	8/8AWG	75A
	ATHD04-1-8P-8G-M5	1 Position, Molded Receptacle, Pin, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 5 Meter Length (Mates to ATHD06-1-8S)	8/8AWG	75A
	ATHD04-1-8P-8G-M10	1 Position, Molded Receptacle, Pin, Size 8, Single-Ended Cable Assembly, 8AWG, ATHD™ Series, 10 Meter Length (Mates to ATHD06-1-8S)	8/8AWG	75A

	ATHD04-1-12P-10G-M1	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 1 Meter Length (Mates to ATHD06-1-12S)	12/10AWG	40A
	ATHD04-1-12P-10G-M2	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 2 Meter Length (Mates to ATHD06-1-12S)	12/10AWG	40A
	ATHD04-1-12P-10G-M4	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 4 Meter Length (Mates to ATHD06-1-12S)	12/10AWG	40A
	ATHD04-1-12P-10G-M5	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 5 Meter Length (Mates to ATHD06-1-12S)	12/10AWG	40A
	ATHD04-1-12P-10G-M10	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 10AWG, ATHD™ Series, 10 Meter Length (Mates to ATHD06-1-12S)	12/10AWG	40A

Single Position - ATHD Series™ Cable Assembly Receptacles, cont.

Available in M1, M2, M4, M5 and M10 lengths (M = Meters)

Image	Part Number	Description	Size/AWG	Amp
	ATHD04-1-12P-12G-M1	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 1 Meter Length (Mates to ATHD06-1-12S)	12/12AWG	30A
	ATHD04-1-12P-12G-M2	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 2 Meter Length (Mates to ATHD06-1-12S)	12/12AWG	30A
	ATHD04-1-12P-12G-M4	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 4 Meter Length (Mates to ATHD06-1-12S)	12/12AWG	30A
	ATHD04-1-12P-12G-M5	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 5 Meter Length (Mates to ATHD06-1-12S)	12/12AWG	30A
	ATHD04-1-12P-12G-M10	1 Position, Molded Receptacle, Pin, Size 12, Single-Ended Cable Assembly, 12AWG, ATHD™ Series, 10 Meter Length (Mates to ATHD06-1-12S)	12/12AWG	30A

Related Items



Heavy Duty, Thermoplastic, Power Connectors

Available in Single Position

Amphenol Sine Systems' **ATHD Series™** Heavy Duty Power Connectors provide an environmentally sealed connection system and solution to field splices and terminals in harsh environments. Safety features include an integral latch to prevent inadvertent disconnect and an audible, tactile, "click" provides circuit confirmation. Precision machined contact technology maximizes performance and durability while delivering up to 100A of power.

Available in **In-Line (Wire-to-Wire)**, **BoardLock™**, **PanelMate™** and **StructurePlus™** options.



Potential Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural



Overmold Compatible Connectors for AT, AT LED, ATHD and ATP Series™ Connectors

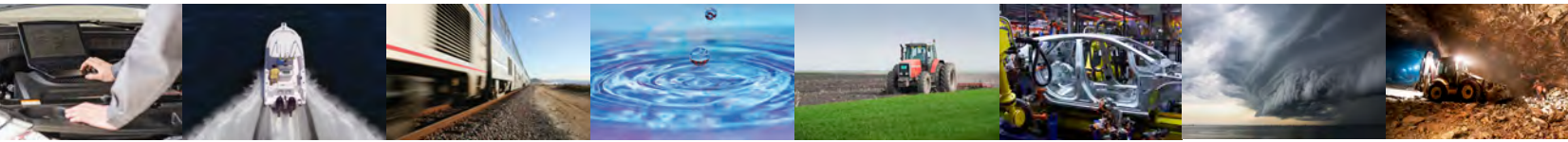
Available in 1, 2, 3, 4, 6, 8 and 12 position

Amphenol Sine Systems' **StructurePlus™** Family of overmold compatible connectors are an **engineered, one-piece, solid body construction and are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements.** The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.

Potential Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural as well as other demanding interconnect applications



For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



ATM ATM Series™

Heavy-Duty, Multi-Pin, 7.5A,
Thermoplastic Connectors



Available in 2, 3, 4, 6, 8 and 12 positions

Amphenol Sine Systems' **ATM Series™** connectors are an IP67-rated (mated condition), high-performance, cost-effective solution specifically designed for smaller AWG applications, while still maintaining the strengths of the AT Series™ product line. All of our ATM Series™ connectors have been developed to be compatible with other existing standard products industry-wide.

The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Connector housings are manufactured with a thermoplastic material that is not only durable, but has excellent UV resistance, dielectric/mechanical properties and environmentally RoHS compliant. The sealing system is comprised of an internal and rear silicone, multi-sealing perimeter against environmental ingress. Contacts are derived from quality copper alloy to ensure an electrically-reliable connection.

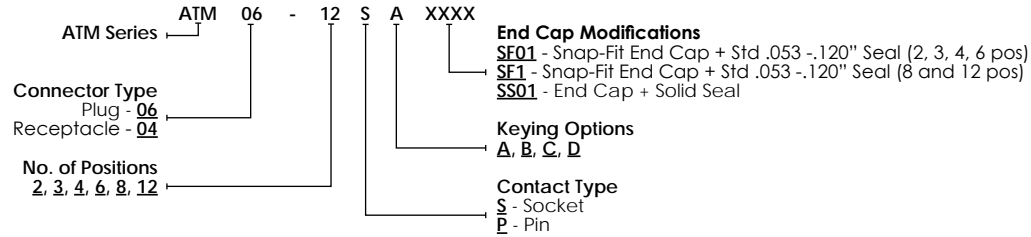
Applications: Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy, as well as other demanding interconnect applications

Available in an **ATMH Series™ - High Temperature** option which features an increased operating temperature range of **-55°C to 150°C**, ideal for "under the hood" applications, along with an IP68 (1M of water for a period of 24 hours, mated condition) & IP69K (in mated condition) rating. Also available in **BoardLock™ ATM** options, featuring flanged, 90° right angle or 180° straight, wire-to-board functionality, along with an IP67 rating (in mated condition).



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ATM Series™ - Part Numbering Sequence



ATM Series™ - Features & Benefits

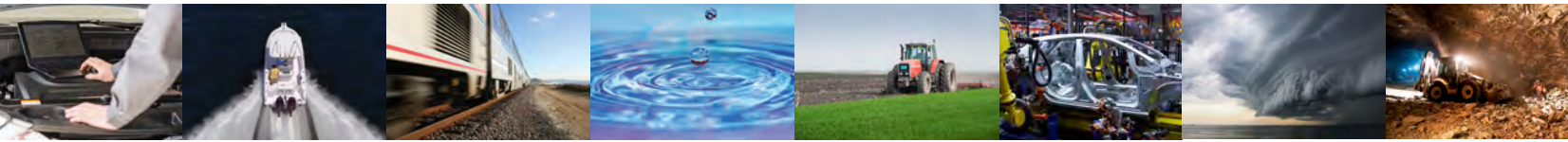
Current Capacity	Size 20, 7.5A
Wire Range	Size 20 contacts will accept wire ranges of 16 thru 22AWG
Operating Temperature	-55°C to +125°C at rated current
IP Rating	IP67 (in mated condition)
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 89 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 89 lbs. times the number of contacts to a maximum of 356 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	Insulation resistance at 25°C shall be greater than 20 megohms when 1000 VDC are applied
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 20 contacts with 20AWG conductor - 60mV (solid contact) drop max; 100mV (stamped & formed contact) drop max at 7.5A test current

ATM Series™ - Product Material

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic
Contacts	Copper Alloy, Nickel Plated, Gold optional

ATM Series™ - Contacts (For a complete contact list, see individual ATM Plug and Receptacle datasheets.)

Part Number	Description	Size	AWG	Type
AT62-201-2031	Female Contact - Socket, Gold-plated	20-22	20	Solid
AT60-202-2031	Male Contact - Pin, Gold-plated	20-22	20	Solid
AT62-201-20141	Female Contact - Socket, Nickel-plated	20-22	20	Solid
AT60-202-20141	Male Contact - Pin, Nickel-plated	20-22	20	Solid
AT62-20-0144	Female Contact - Socket, Gold-plated	16-22	20	Stamped & Formed
AT60-20-0144	Male Contact - Pin, Gold-plated	16-22	20	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	16-22	20	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	16-22	20	Stamped & Formed



ATMH Series™



Heavy-Duty, Multi-Pin, 7.5A, High Temperature Thermoplastic Connectors



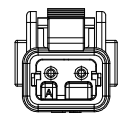
Available in 2 position

Amphenol Sine Systems' **ATMH Series™** connectors, an extension of our ATM Series™, are an IP68/69K rated (mated condition), high-performance, cost-effective solution designed for smaller AWG applications, and ideally suited for "under the hood" applications where higher temperatures are required. While our ATM Series™ connectors have an Operating Temperature Range of -55°C to 125°C, **our ATMH Series™ has an increased operating temperature range of -55°C to 150°C.** All of our ATMH Series™ connectors have been developed to be compatible with other existing standard products industry-wide.

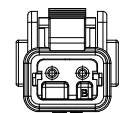
Applications: Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy, as well as other demanding interconnect applications

ATMH Series™ plugs and receptacles both arrive with an integrated, "unseated", **Terminal Position Assurance (TPA) Lock.** Once the contacts have been installed by the user, the TPA's can then be fully "seated" for proper use. The TPA's are color-coded for their respective keying position: **Keyed A-Grey, Keyed B-Black, Keyed C-Green, and Keyed D-Brown.**

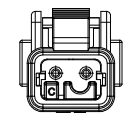
ATMH Series™ Keying Options (Plug TPAs are shown "seated". Receptacle TPAs are hidden from view.)



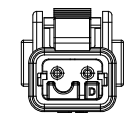
Keyed A Plug
ATMH06-2SA
TPA Color: Grey



Keyed B Plug
ATMH06-2SB
TPA Color: Black



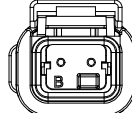
Keyed C Plug
ATMH06-2SC
TPA Color: Green



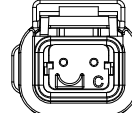
Keyed D Plug
ATMH06-2SD
TPA Color: Brown



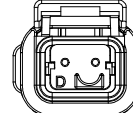
Keyed A Recep
ATMH04-2PA
TPA Color: Grey



Keyed B Recep
ATMH04-2PB
TPA Color: Black



Keyed C Recep
ATMH04-2PC
TPA Color: Green



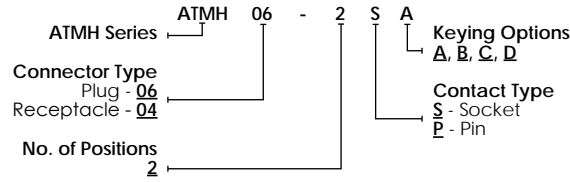
Keyed D Recep
ATMH04-2PD
TPA Color: Brown

Important: ATMH Series™ plugs and receptacles are capable of mating with ATM Series™ plugs and receptacles, but will only retain the lower ATM Series™ operating temperature range of -55°C to +125°C when mixed.



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ATMH Series™ - Part Numbering Sequence



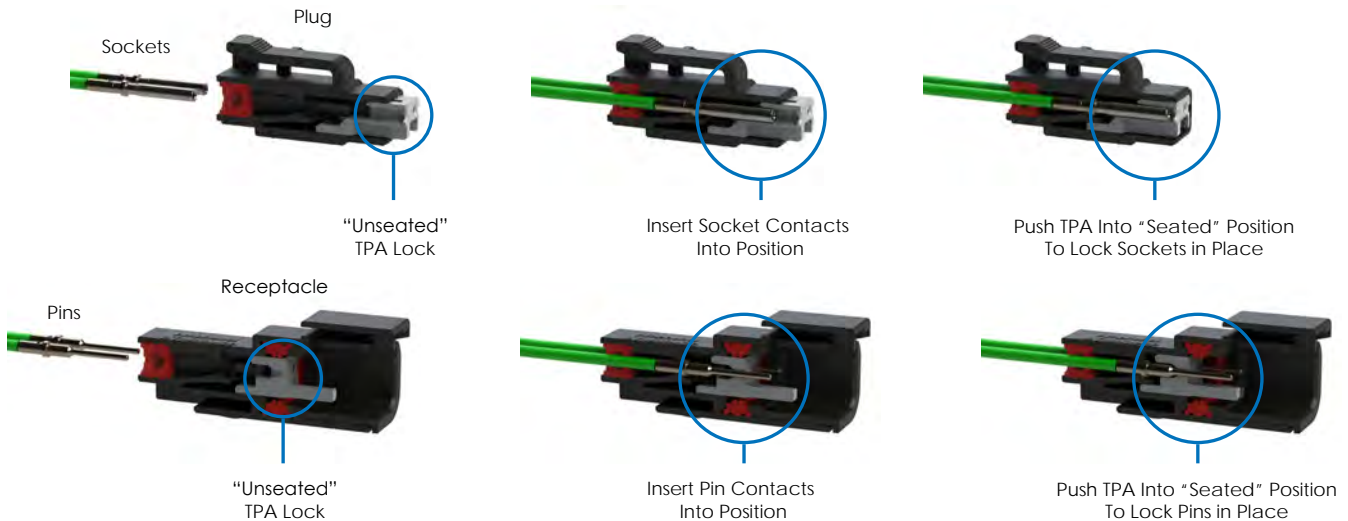
ATMH Series™ - Features & Benefits

Current Capacity	Size 20, 7.5A
Wire Range	Size 20 contacts will accept wire ranges of 16-22AWG
Operating Temperature	-55°C to +150°C at rated current
IP Rating	IP68 (1M of water for a period of 24 hours, mated condition) & IP69k (in mated condition)
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 89 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 89 lbs. times the number of contacts to a maximum of 356 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	Insulation resistance at 25°C shall be greater than 20 megohms when 1000 VDC are applied
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 20 contacts with 20AWG conductor - 60mV (solid contact) drop max; 100mV (stamped & formed contact) drop max at 7.5A test current





ATMH Series™ - Product Material

Housings	Thermoplastic
Seals	Silicone Elastomer
Terminal Position Assurance Lock	Thermoplastic
Contacts	Copper Alloy, Nickel Plated, Gold optional





ATMH Series™ - How to Install Contacts with Terminal Position Assurance (TPA) Locks



2 Position - ATMH™ Series Plugs

Image	Part Number	Description	Size	Amp
	ATMH06-2SA	2 Position, Plug, Socket, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Grey), Keyed A, Standard Diameter Rear Seal (Red), Black Body	20	7.5A
	ATMH06-2SB	2 Position, Plug, Socket, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Black), Keyed B, Standard Diameter Rear Seal (Red), Black Body	20	7.5A
	ATMH06-2SC	2 Position, Plug, Socket, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Green), Keyed C, Standard Diameter Rear Seal (Red), Black Body	20	7.5A
	ATMH06-2SD	2 Position, Plug, Socket, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Brown), Keyed D, Standard Diameter Rear Seal (Red), Black Body	20	7.5A

2 Position - ATMH Series™ Receptacles

	ATMH04-2PA	2 Position, Receptacle, Pin, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Grey), Keyed A, Standard Diameter Rear Seal (Red), Black Body	20	7.5A
	ATMH04-2PB	2 Position, Receptacle, Pin, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Black), Keyed B, Standard Diameter Rear Seal (Red), Black Body	20	7.5A
	ATMH04-2PC	2 Position, Receptacle, Pin, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Green), Keyed C, Standard Diameter Rear Seal (Red), Black Body	20	7.5A
	ATMH04-2PD	2 Position, Receptacle, Pin, ATMH Series™, High Temperature (+150°C), (TPA) Terminal Position Assurance Lock (Brown), Keyed D, Standard Diameter Rear Seal (Red), Black Body	20	7.5A

ATMH Series™ - Contacts (For a complete contact list, see individual ATMH Series™ Plug and Receptacle datasheets.)

Part Number	Description	Size	AWG	Type
AT62-201-2031	Female Contact - Socket, Gold-plated	20-22	20	Solid
AT60-202-2031	Male Contact - Pin, Gold-plated	20-22	20	Solid
AT62-201-20141	Female Contact - Socket, Nickel-plated	20-22	20	Solid
AT60-202-20141	Male Contact - Pin, Nickel-plated	20-22	20	Solid
AT62-20-0144	Female Contact - Socket, Gold-plated	16-22	20	Stamped & Formed
AT60-20-0144	Male Contact - Pin, Gold-plated	16-22	20	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	16-22	20	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	16-22	20	Stamped & Formed

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



ATM ATM Series™ 2-Wire CAN



J1939/15 2-Wire CAN Connectors

Amphenol Sine Systems' **ATM Series™ 2-Wire CAN System** is offered in accordance with SAE J1939/15 requirements and can provide low amperage power splits. The "Y-Splitter" has three connection points and is used in conjunction with a standard ATM2S connector with specialized keyways identifying Inlet 1 and Outlet 2, and 2 position keyed plugs/receptacles with end caps and molded-in 120Ω resistors for network terminations.

Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments



Technical Specifications

Temperature Range	-55°C - +125°C	Min. Mating Cycles	> 100
Max. Current (AMP)	7.5A	IP Rating	IP67 in mated condition
Voltage Rating (AC/DC)	250V	Wire Range	20-22AWG
Contact Resistance	< 15mΩ	Housing Body	Thermoplastic
Contacts	Copper Alloy, Gold Plating	Insulation Resistance	1000 megohms at 25°C
Contact Size	20	Dielectric Withstanding Voltage	Less than 2 mA current leakage @ 1500V AC

Part Number	Description	Amperage	Voltage	AWG
ATM04-2P-P007	ATM, 6 Position, 2 Position Receptacle, Y Splitter (Contacts & Wedgelock Included)	7.5A	250	20-22
ATM04-2P-RA120GY	ATM, 2 Position, Receptacle, A Key, 120 OHM Resistor, Gray (Contacts & Wedgelock Included)	7.5A	250	20-22
ATM04-2P-RB120BK	ATM, 2 Position, Receptacle, B Key, 120 OHM Resistor, Black (Contacts & Wedgelock Included)	7.5A	250	20-22
ATM06-2S-R120GRY	ATM, 2 Position, Plug, A Key, 120 OHM, 1/2W, Gray, Endcap (Contacts & Wedgelock Included)	7.5A	250	20-22
ATM06-2S-RB120BK	ATM, 2 Position, Plug, B Key, 120 OHM Resistor, Black (Contacts & Wedgelock Included)	7.5A	250	20-22
AWM-2PA	ATM, 2 Position Pin Wedgelock, A Keyed	NA	NA	NA
AWM-2PB	ATM, 2 Position Pin Wedgelock, B Keyed	NA	NA	NA
AWM-2SA	ATM, 2 Position Socket Wedgelock, A Keyed	NA	NA	NA
AWM-2SB	ATM, 2 Position Socket Wedgelock, B Keyed	NA	NA	NA



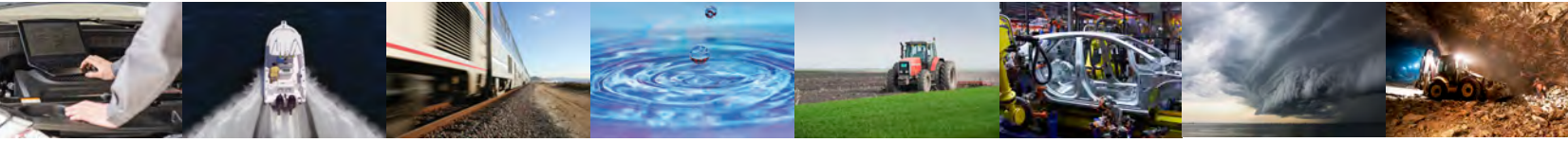
A Series™ Family



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For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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ATM ATM Series™ SR01

Extended Strain Relief Series

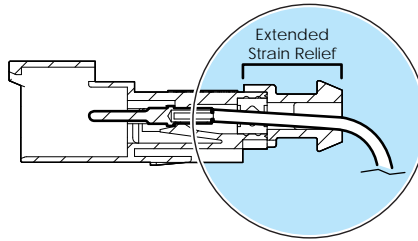
Available in 2, 3, 4, 6, 8 and 12 position



Amphenol Sine Systems' ATM Series™ SR01 connectors are a high-performance, thermoplastic, cost-effective solution with specifically-designed, wire cavities that protect each individual wire seal, eliminating stress on the rear seal while maintaining an IP68/69K rated (mated) performance regardless of wire bundle direction or improper installation. **The ATM Series™ SR01 meets all the performance criteria and specifications of the ATM Series™**, is available in a wide variety of custom colors, and accepts all A Series™ Size 20 contacts. Required wedgelock sold separately.



PROTECTS each wire cavity to maximize sealing integrity.



MAINTAINS proper wire routing 100% of the time.



Standard Diameter Rear Seals (Red) -
1.35mm (.053") - 3.05mm (.120")

Applications: Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy, as well as other demanding interconnect applications

Key Features

- Heat-shrink capable shroud for applications requiring heat shrink (The use of heat shrink is NOT required to meet existing IP standards)
- Enhanced Sealing Plugs for simplified insertion/removal, improved retention capabilities and include a positive 'stop' for full insertion verification
- Thermoplastic housing with excellent UV resistance
- Wedgelocks ensure proper contact alignment & retention
- Integrated latch for mating ensures a secure connection
- Superior front and rear environmental sealing
- Compatible with existing standard products industry-wide



Standard vs SR01



Heat-Shrink Capable Shroud



Enhanced Sealing Plugs



Standard products. Custom solutions
Customer Service +1 800 394 7732

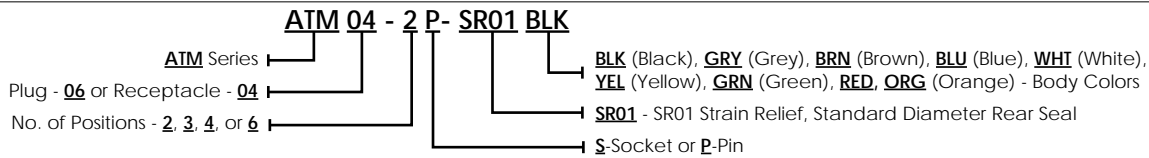
Specifications

Operating Temperature	-55°C to +125°C	Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Max Current Rating (Amp)	7.5A		
Mating Cycles	>100	Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
IP Rating	IP68/69K (in mated condition)		
Wire Range	Size 20, 16-22AWG	Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Contacts	Machined; Stamped & Formed; Copper Alloy, Nickel-Plated Gold plating optional		
Housing/Latch Material	Thermoplastic/Integrated latch for mating	Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Sealing Material	Silicone Rubber		
Dielectric Withstanding Voltage	Less than 2 mA current leakage @ 1500V AC		
Insulation Resistance	1000 megohms minimum at 25°C		
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)		

Custom Color Options

Black	Grey	Brown	Blue	White	Yellow	Green	Red	Orange
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Part Numbering Sequence (2, 3, 4 and 6 position)






Part Numbering Sequence (08 and 12 position)





2 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

Image	Part Number	Description	Size	Amp
	ATM06-2S-SR01BK	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01BL	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01BN	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01GN	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01GY	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01OR	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01RD	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01WT	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A
	ATM06-2S-SR01YL	2 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-2S. Keyed Options Available.)	20	7.5A



2 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AWM-2S	2 Position, Plug Wedgelock, Orange	-	-
	AWM-2SA	2 Position, Plug Wedgelock, Keyed A, Grey	-	-
	AWM-2SB	2 Position, Plug Wedgelock, Keyed B, Black	-	-



3 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	ATM06-3S-SR01BK	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01BL	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01BN	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01GN	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01GY	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01OR	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01RD	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01WT	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-3S.)	20	7.5A
	ATM06-3S-SR01YL	3 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-3S.)	20	7.5A
	AWM-3S	3 Position, Plug Wedgelock, Orange	-	-



4 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	ATM06-4S-SR01BK	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01BL	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01BN	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01GN	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01GY	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01OR	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01RD	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01WT	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-4S.)	20	7.5A
	ATM06-4S-SR01YL	4 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-4S.)	20	7.5A
	AWM-4S	4 Position, Plug Wedgelock, Orange	-	-



6 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

Image	Part Number	Description	Size	Amp
	ATM06-6S-SR01BK	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01BL	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01BN	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01GN	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01GY	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01OR	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01RD	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01WT	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-6S.)	20	7.5A
	ATM06-6S-SR01YL	6 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-6S.)	20	7.5A
	AWM-6S	6 Position, Plug Wedgelock, Orange	-	-





8 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	ATM06-08SA-SR1GY	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Grey Body (Requires Wedgelock AWM-8S.)	20	7.5A
	ATM06-08SB-SR1BK	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed B, Black Body (Requires Wedgelock AWM-8S.)	20	7.5A
	ATM06-08SC-SR1GN	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed C, Green Body (Requires Wedgelock AWM-8S.)	20	7.5A
	ATM06-08SD-SR1BN	8 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed D, Brown Body (Requires Wedgelock AWM-8S.)	20	7.5A
	AWM-8S	8 Position, Plug Wedgelock, Orange	-	-

12 Position - ATM Series™ SR01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Strain Relief)

	ATM06-12SA-SR1GY	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Grey Body (Requires Wedgelock AWM-12S.)	20	7.5A
	ATM06-12SB-SR1BK	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Black Body (Requires Wedgelock AWM-12S.)	20	7.5A
	ATM06-12SC-SR1GN	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Green Body (Requires Wedgelock AWM-12S.)	20	7.5A
	ATM06-12SD-SR1BN	12 Position, Plug, Socket, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Brown Body (Requires Wedgelock AWM-12S.)	20	7.5A
	AWM-12S	12 Position, Plug Wedgelock, Orange	-	-



2 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

Image	Part Number	Description	Size	Amp
	ATM04-2P-SR01BK	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01BL	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01BN	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01GN	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01GY	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01OR	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01RD	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01WT	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	ATM04-2P-SR01YL	2 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-2P. Keyed Options Available.)	20	7.5A
	AWM-2P	2 Position, Receptacle Wedgelock, Orange	-	-
	AWM-2PA	2 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AWM-2PB	2 Position, Receptacle Wedgelock, Keyed B, Black	-	-

3 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	ATM04-3P-SR01BK	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01BL	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01BN	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01GN	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01GY	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01OR	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01RD	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01WT	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-3P.)	20	7.5A
	ATM04-3P-SR01YL	3 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-3P.)	20	7.5A
	AWM-3P	3 Position, Receptacle Wedgelock, Orange	-	-


4 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

Image	Part Number	Description	Size	Amp
	ATM04-4P-SR01BK	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01BL	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01BN	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01GN	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01GY	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01OR	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01RD	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01WT	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-4P.)	20	7.5A
	ATM04-4P-SR01YL	4 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-4P.)	20	7.5A
	AWM-4P	4 Position, Receptacle Wedgelock, Orange	-	-


6 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	ATM04-6P-SR01BK	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01BL	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Blue Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01BN	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Brown Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01GN	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Green Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01GY	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01OR	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Orange Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01RD	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Red Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01WT	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, White Body (Requires Wedgelock AWM-6P.)	20	7.5A
	ATM04-6P-SR01YL	6 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Yellow Body (Requires Wedgelock AWM-6P.)	20	7.5A
	AWM-6P	6 Position, Receptacle Wedgelock, Orange	-	-



8 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	ATM04-08PA-SR1GY	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Grey Body (Requires Wedgelock AWM-8P.)	20	7.5A
	ATM04-08PB-SR1BK	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed B, Black Body (Requires Wedgelock AWM-8P.)	20	7.5A
	ATM04-08PC-SR1GN	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed C, Green Body (Requires Wedgelock AWM-8P.)	20	7.5A
	ATM04-08PD-SR1BN	8 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed D, Brown body (Requires Wedgelock AWM-8P.)	20	7.5A

8 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief), cont.

Image	Part Number	Description	Size	Amp
	AWM-8P	8 Position, Receptacle Wedgelock, Orange	-	-

12 Position - ATM Series™ SR01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Strain Relief)

	ATM04-12PA-SR1GY	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed A, Grey Body (Requires Wedgelock AWM-12P.)	20	7.5A
	ATM04-12PB-SR1BK	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed B, Black Body (Requires Wedgelock AWM-12P.)	20	7.5A
	ATM04-12PC-SR1GN	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed C, Green Body (Requires Wedgelock AWM-12P.)	20	7.5A
	ATM04-12PD-SR1BN	12 Position, Receptacle, Pin, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Keyed D, Brown body (Requires Wedgelock AWM-12P.)	20	7.5A
	AWM-12P	12 Position, Receptacle Wedgelock, Orange	-	-

ATM Series™ SR01 Accessories

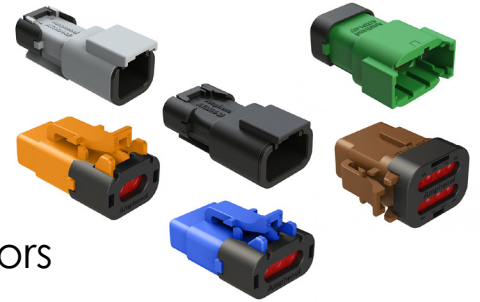
	ATM13-217-2005-SR	Blank Locking Sealing Plug, Blue, Replaces Size 20 Contacts	20	-
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For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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ATM Series™ SF01

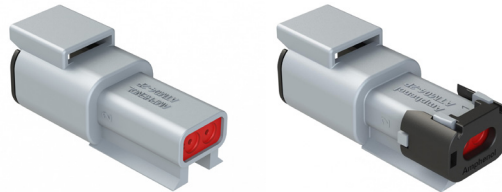


Heavy-Duty, Multi-Pin, 7.5A, Thermoplastic Connectors featuring Snap-Fit Caps

Available in 2, 3, 4, 6, 8 and 12 positions

Amphenol Sine Systems' **ATM Series™ SF01** connectors are a high-performance, thermoplastic, cost-effective solution which **features an integrated Snap-Fit Cap enhancement that ensures rear seal stability under uncontrolled, harsh environmental conditions**, all while maintaining an IP68/69K rated (in mated condition) performance regardless of wire bundle direction or improper installation. The ATM Series™ SF01 meets all the performance criteria and specifications of the original ATM Series™, is available in a wide variety of custom colors, and accepts all A Series™ Size 20 contacts. Required wedgelock sold separately.

Standard ATM Series™



Enhanced ATM Series™ SF01 (Snap-Fit Cap)

Applications: Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy, as well as other demanding interconnect applications

Key Features

- A more robust end cap design incorporated onto the rear of the connector body where the seals are exposed
- Enhanced Sealing Plugs for simplified insertion/removal, improved retention capabilities and include a positive 'stop' for full insertion verification
- Thermoplastic housing with excellent UV resistance
- Wedgelocks ensure proper contact alignment & retention
- Integrated latch for mating ensures a secure connection
- Superior front and rear environmental sealing
- Compatible with existing standard products industry-wide
- Custom color housing options available



A Series™ Family

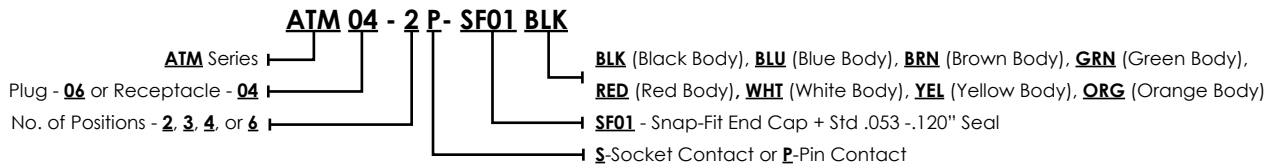


Standard products. Custom solutions
Customer Service +1 800 394 7732

Custom Color Options



ATM Series™ SF01 - Part Numbering Sequence (2, 3, 4 and 6 position)



ATM Series™ SF01 - Part Numbering Sequence (08 and 12 position)



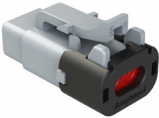



ATM Series™ SF01 - Specifications

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic
Contacts	Copper Alloy, Nickel Plated, Gold optional
Current Capacity	7.5A
Wire Range	Size 20 contacts will accept wire ranges of 16 thru 22AWG
Operating Temperature	-55°C to +125°C at rated current
IP Rating	IP68 (1M of water for a period of 24 hours, in mated condition) / IP69K (in mated condition)
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 89 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 89 lbs. times the number of contacts to a maximum of 356 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	Insulation resistance at 25°C shall be greater than 20 megohms when 1000 VDC are applied
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 20 contacts with 20AWG conductor - 60mV (solid contact) drop max; 100mV (stamped & formed contact) drop max at 7.5A test current

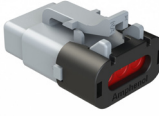

ATM Series™ SF01 - Contacts (For a complete contact list, see individual ATM Series™ SF01 Plug and Receptacle datasheets.)

Part Number	Description	Size	AWG	Type
AT62-201-2031	Female Contact - Socket, Gold-plated	20	16-22	Solid
AT60-202-2031	Male Contact - Pin, Gold-plated	20	16-22	Solid
AT62-201-20141	Female Contact - Socket, Nickel-plated	20	16-22	Solid
AT60-202-20141	Male Contact - Pin, Nickel-plated	20	16-22	Solid
AT62-20-0144	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0144	Male Contact - Pin, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	20	16-22	Stamped & Formed

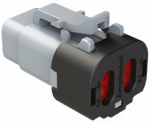

2 Position - ATM Series™ SF01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap)

Image	Part Number	Description	Size	Amp
	ATM06-2S-SF01	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01BLK	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01BLU	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01BRN	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01GRN	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01RED	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01WHT	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01YEL	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	ATM06-2S-SF01ORG	2 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-2S. Keyed wedgelocks available.)	20	7.5A
	AWM-2S	2 Position, Plug Wedgelock, Orange Body	-	-
	AWM-2S	2 Position, Plug Wedgelock, Grey Body	-	-
	AWM-2S	2 Position, Plug Wedgelock, Black Body	-	-

3 Position - ATM Series™ SF01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap)

	ATM06-3S-SF01	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01BLK	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01BLU	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01BRN	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01GRN	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01RED	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01WHT	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01YEL	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-3S)	20	7.5A
	ATM06-3S-SF01ORG	3 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-3S)	20	7.5A
	AWM-3S	3 Position, Plug Wedgelock, Orange Body	-	-


4 Position - ATM Series™ SF01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap)

Image	Part Number	Description	Size	Amp
	ATM06-4S-SF01	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01BLK	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01BLU	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01BRN	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01GRN	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01RED	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01WHT	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01YEL	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-4S)	20	7.5A
	ATM06-4S-SF01ORG	4 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-4S)	20	7.5A
	AWM-4S	4 Position, Plug Wedgelock, Orange Body	-	-


6 Position - ATM Series™ SF01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap)

	ATM06-6S-SF01	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01BLK	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01BLU	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01BRN	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01GRN	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01RED	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01WHT	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01YEL	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-6S)	20	7.5A
	ATM06-6S-SF01ORG	6 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-6S)	20	7.5A
	AWM-6S	6 Position, Plug Wedgelock, Orange Body	-	-

8 Position - ATM Series™ SF01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap)

	ATM06-08SA-SF1BK	8 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Black Body (Requires Wedgelock AWM-8S)	20	7.5A
	ATM06-08SA-SF1GY	8 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Grey Body (Requires Wedgelock AWM-8S)	20	7.5A
	ATM06-08SB-SF1BK	8 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed B, Black Body (Requires Wedgelock AWM-8S)	20	7.5A
	ATM06-08SC-SF1GN	8 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed C, Green Body (Requires Wedgelock AWM-8S)	20	7.5A
	ATM06-08SD-SF1BN	8 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed D, Brown Body (Requires Wedgelock AWM-8S)	20	7.5A





8 Position - ATM Series™ SF01 Plugs and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap), cont.

Image	Part Number	Description	Size	Amp
	AWM-8S	8 Position, Plug Wedgelock, Orange Body	-	-



12 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Snap-Fit Cap)

	ATM06-12SA-SF1BK	12 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Black Body (Requires Wedgelock AWM-12S)	20	7.5A
	ATM06-12SA-SF1GY	12 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Grey Body (Requires Wedgelock AWM-12S)	20	7.5A
	ATM06-12SB-SF1BK	12 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed B, Black Body (Requires Wedgelock AWM-12S)	20	7.5A
	ATM06-12SC-SF1GN	12 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed C, Green Body (Requires Wedgelock AWM-12S)	20	7.5A
	ATM06-12SD-SF1BN	12 Position Plug, Socket, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed D, Brown Body (Requires Wedgelock AWM-12S)	20	7.5A
	AWM-12S	12 Position, Plug Wedgelock, Orange Body	-	-


2 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Snap-Fit Cap)

	ATM04-2P-SF01	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01BLK	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01BLU	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01BRN	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01GRN	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01RED	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01WHT	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01YEL	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	ATM04-2P-SF01ORG	2 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-2P. Keyed wedgelocks available.)	20	7.5A
	AWM-2P	2 Position, Receptacle Wedgelock, Orange Body	-	-
	AWM-2PA	2 Position, Receptacle Wedgelock, Grey Body	-	-
	AWM-2PB	2 Position, Receptacle Wedgelock, Black Body	-	-

3 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap)

Image	Part Number	Description	Size	Amp
	ATM04-3P-SF01	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01BLK	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01BLU	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01BRN	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01GRN	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01RED	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01WHT	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01YEL	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-3P)	20	7.5A
	ATM04-3P-SF01ORG	3 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-3P)	20	7.5A
	AWM-3P	3 Position, Receptacle Wedgelock, Orange Body	-	-



4 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Snap-Fit Cap)

	ATM04-4P-SF01	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01BLK	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01BLU	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01BRN	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01GRN	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01RED	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01WHT	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01YEL	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-4P)	20	7.5A
	ATM04-4P-SF01ORG	4 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-4P)	20	7.5A
	AWM-4P	4 Position, Receptacle Wedgelock, Orange Body	-	-

6 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Snap-Fit Cap)

	ATM04-6P-SF01	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Grey Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01BLK	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Black Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01BLU	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Blue Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01BRN	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Brown Body (Requires Wedgelock AWM-6P)	20	7.5A



6 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Plug shown in Standard Grey w Black Snap-Fit Cap), cont.

Image	Part Number	Description	Size	Amp
	ATM04-6P-SF01GRN	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Green Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01RED	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Red Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01WHT	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, White Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01YEL	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Yellow Body (Requires Wedgelock AWM-6P)	20	7.5A
	ATM04-6P-SF01ORG	6 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Orange Body (Requires Wedgelock AWM-6P)	20	7.5A
	AWM-6P	6 Position, Receptacle Wedgelock, Orange Body	-	-



8 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Snap-Fit Cap)

	ATM04-08PA-SF1BK	8 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Black Body (Requires Wedgelock AWM-8P)	20	7.5A
	ATM04-08PA-SF1GY	8 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Grey Body (Requires Wedgelock AWM-8P)	20	7.5A
	ATM04-08PB-SF1BK	8 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed B, Black Body (Requires Wedgelock AWM-8P)	20	7.5A
	ATM04-08PC-SF1GN	8 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed C, Green Body (Requires Wedgelock AWM-8P)	20	7.5A
	ATM04-08PD-SF1BN	8 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed D, Brown Body (Requires Wedgelock AWM-8P)	20	7.5A
	AWM-8P	8 Position, Receptacle Wedgelock, Orange Body	-	-



12 Position - ATM Series™ SF01 Receptacles and Wedgelocks (Receptacle shown in Standard Grey w Black Snap-Fit Cap)

	ATM04-12PA-SF1BK	12 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Black Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PA-SF1GY	12 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed A, Grey Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PB-SF1BK	12 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed B, Black Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PC-SF1GN	12 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed C, Green Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PD-SF1BN	12 Position Receptacle, Pin, ATM Series™ SF01, Standard Diameter Rear Seal (Red), Snap-Fit Cap, Keyed D, Brown Body (Requires Wedgelock AWM-12P)	20	7.5A
	AWM-12P	12 Position, Receptacle Wedgelock, Orange Body	-	-

ATM Series™ SF01 - Available Tooling

	AT11-240-2005	Contact Removal Tool, Size 20, Red Body	-	-
	ATRT-100	Contact and Wedgelock Extraction Tool	-	-

ATM Series™ SF01 - Available Tooling, cont.

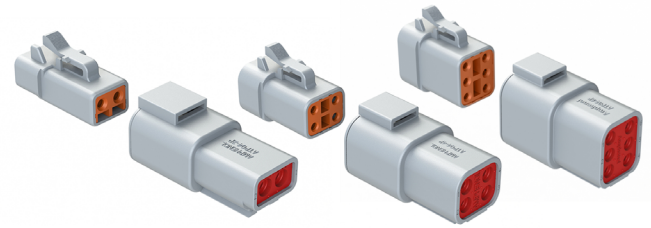
Image	Part Number	Description	Size	Amp
	AUTK-20	Contact Crimping Tool, Size 20	-	-
	AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit for Size 20/16/12 Machined Contacts	-	-

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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ATP ATPSeries™



Heavy-Duty, Multi-Pin, 25A Thermoplastic Connectors



Available in 2, 4 and 6 Position

Amphenol Sine Systems **ATP Series™ Connectors** are designed as a high-performance, cost-effective, thermoplastic solution with superior environmental seals, seal retention capabilities and are designed for use with 10-14AWG with Size 12 contacts handling up to 25A. All of our ATP Series™ connectors have been developed to be comparable with all other existing standard products industry-wide. Available in **BoardLock™**, **HYPERBUSS™**, **PanelMate™**, **StructurePlus™**, **SR01/02** options.

Our **ATP Series™** connectors utilize **A Series™ Contacts**. See individual datasheets for required tooling and contact details.

Key Features

- Thermoplastic housing with excellent UV resistance
- Wedgelocks ensure proper contact alignment & retention
- Integrated latch for a secure connection
- Superior front and rear environmental seals and seal retention
- Comparable with existing standard products industry-wide
- Wide range of end caps and strain relief options
- Optional **A Series™ Protective Backshell Boots** available

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.



ATP Series™ - Specifications (Reference Individual Datasheets)

Operating Temperature	-55°C to +125°C
Max Amperage	25A
Housing/Wedge Body	Thermoplastic
Seals	Silicone Elastomer
Wire Range (AWG)	10-14AWG
Contacts	Copper Alloy, Nickel-Plated (Gold or Tin Optional)
Current Rating	Size 12 contacts rated at 25A continuous at +125°C. Current is fully rated without derating curve.
IP Rating (in mated condition)	IP68 and IP69K
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Dielectric Value	Current leak less than 2 millamps at 1500 VAC
Corrosion Resistance	No evidence of corrosion after 48 hours of salt spray per MIL-STD1344, method 1001.

Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial application.
Insulation Resistance	1000 megohms minimum 25°C
Contact Retention	70lbs. for Size 12 contacts
Thermal Cycle	No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C.
Physical Shock	No unlocking, unmating or other unsatisfactory results during or after 50 G's in each of three usually perpendicular planes. No electrical discontinuities longer than 1 microsecond. MIL-STD 202, Method 213, Condition "C".
Contact Milivolt Drop	Size 12 contacts with 12AWG conductor - 60mV (solid contact) drop max; 100mV (stamped & formed contact) drop max at 25A test current
Vibration	Maintains continuity and exhibits no mechanical or physical damage after vibration levels of 20 G's at 10-2000 Hz.
Mating Cycles	No electrical or mechanical defects after 100 cycles of engagement and disengagement.

IP Ratings


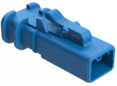




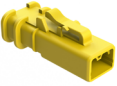
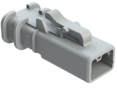

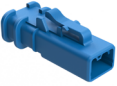


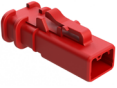

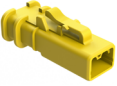
IP68 rated (1M of Water for 24 Hours, in mated condition)
IP69K rated (High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)









A Series™ Family












Standard products. Custom solutions
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2 Position - ATP Series™ Plugs				
Image	Part Number	Description	Size	Amp
	ATP06-2S	2 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-BLK	2 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-EC01	2 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-EC01BLK	2 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-MM01	2 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Endcap, Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-MM01BLK	2 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Endcap, Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-RD01	2 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-RD01BK	2 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
2 Position - ATP Series™ Plugs with SR01/SR02 Strain Relief				
Image	Part Number	Description	Size	Amp
	ATP06-2S-SR01	2 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-SR01BK	2 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-SR02	2 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-SR02BK	2 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
2 Position - StructurePlus™ ATP Plugs				
Image	Part Number	Description	Size	Amp
	ATP06-2S-OMGRY	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25















	ATP06-2S-OMBLK	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMBLU	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMBRN	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMGRN	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRED	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMWHT	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMYEL	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDGRY	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDBLK	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDBLU	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDBRN	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDGRN	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDRED	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDWHT	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
	ATP06-2S-OMRDYEL	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25
















2 Position - ATP Series™ Plug Wedgelocks				
Image	Part Number	Description	Size	Amp
	AWP-2S	2 Position, Plug Wedgelock, ATP Series™, Orange Body	-	-
	AWP-2SA	2 Position, Plug Wedgelock, ATP Series™, Keyed A, Grey Body	-	-
	AWP-2SB	2 Position, Plug Wedgelock, ATP Series™, Keyed B, Black Body	-	-
	AWP-2SC	2 Position, Plug Wedgelock, ATP Series™, Keyed C, Green Body	-	-
	AWP-2SD	2 Position, Plug Wedgelock, ATP Series™, Keyed D, Brown body	-	-
2 Position - ATP Series™ Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-2P	2 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-BLK	2 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-EC01	2 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-EC01BLK	2 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-MM01	2 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Endcap, Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	13	25A
	ATP04-2P-MM01BLK	2 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Endcap, Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	14	25A
	ATP04-2P-RD01	2 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-RD01BLK	2 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
2 Position - ATP Series™ Receptacles with SR01/SR02 Strain Relief				
Image	Part Number	Description	Size	Amp
	ATP04-2P-SR01	2 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A


	ATP04-2P-SR01BK	2 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-SR02	2 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-SR02BK	2 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
2 Position - BoardLock™ ATP Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-2P-BM01	2 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Snap-Fit, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM02	2 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Snap-Fit, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM03	2 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Snap-Fit, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM04	2 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Snap-Fit, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM11	2 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Self-Threading, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM12	2 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Self-Threading, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM13	2 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Self-Threading, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-2P-BM14	2 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Self-Threading, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
2 Position - BoardLock™ ATP13 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP13-2P-BM01GRY	2 Position, 90° PCB Receptacle with Flange, Pin, Gold, Boardlock™ ATP13, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM02GRY	2 Position, 90° PCB Receptacle with Flange, Pin, Gold, Boardlock™ ATP13, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM03GRY	2 Position, 90° PCB Receptacle with Flange, Pin, Tin, Boardlock™ ATP13, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM04GRY	2 Position, 90° PCB Receptacle with Flange, Pin, Tin, Boardlock™ ATP13, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM01BLK	2 Position, 90° PCB Receptacle with Flange, Pin, Gold, Boardlock™ ATP13, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM02BLK	2 Position, 90° PCB Receptacle with Flange, Pin, Gold, Boardlock™ ATP13, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM03BLK	2 Position, 90° PCB Receptacle with Flange, Pin, Tin, Boardlock™ ATP13, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP13-2P-BM04BLK	2 Position, 90° PCB Receptacle with Flange, Pin, Tin, Boardlock™ ATP13, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
2 Position - BoardLock™ ATP15 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP15-2P-BM01GRY	2 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-2P-BM02GRY	2 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-2P-BM03GRY	2 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-2P-BM04GRY	2 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A











	ATP15-2P-BM01BLK	2 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP15-2P-BM02BLK	2 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP15-2P-BM03BLK	2 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP15-2P-BM04BLK	2 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
2 Position - BoardLock™ ATPF13 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATPF13-2P-BM11	2 Position, PCB Receptacle, 90 Right Angle, Gold Plated, Boardlock™ ATPF13, Self-Threading, Black Body	12	25A
	ATPF13-2P-BM13	2 Position, PCB Receptacle, 90 Right Angle, Tin Plated, Boardlock™ ATPF13, Self-Threading, Black Body	12	25A
2 Position - PanelMate™ ATP Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-2P-PM07G	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-PM07GEC	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-PM08G	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-PM08GEC	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
2 Position - ATP Series™ Kits				
Image	Part Number	Description	Size	Amp
	ATP06-2S-KIT01	2 Position, Plug Kit, ATP Series™ (1) Plug, (2) Socket Contacts, (1) AWP-2S Wedgelock	12	25A
	ATP04-2P-KIT01	2 Position, Receptacle Kit, ATP Series™ (1) Receptacle, (2) Pin Contacts, (1) AWP-2P Wedgelock	12	25A
	ATP2PS-CKIT	2 Position, Plug/Receptacle Kit, ATP Series™ (1) Plug, (2) Socket Contacts, (1) AWP-2S Plug Wedgelock (1) Receptacle, (2) Pin Contacts, (1)AWP-2P Receptacle Wedgelock	12	25A
2 Position - ATP Series™ Receptacle Wedgelocks				
Image	Part Number	Description	Size	Amp
	AWP-2P	2 Position, Receptacle Wedgelock, ATP Series™, Standard Orange	-	-
	AWP-2PA	2 Position, Receptacle Wedgelock, ATP Series™, Keyed A, Grey	-	-
	AWP-2PB	2 Position, Receptacle Wedgelock, ATP Series™, Keyed B, Black	-	-















	AWP-2PC	2 Position, Receptacle Wedgelock, ATP Series™, Keyed C, Green	-	-
	AWP-2PD	2 Position, Receptacle Wedgelock, ATP Series™, Keyed D, Brown	-	-
4 Position - ATP Series™ Plugs				
Image	Part Number	Description	Size	Amp
	ATP06-4S	4 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-BLK	4 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-EC01	4 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-EC01BLK	4 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-MM01	4 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-MM01BLK	4 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-RD01	4 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-RD01BK	4 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
4 Position - ATP Series™ Plugs with SR01/SR02 Strain Relief				
Image	Part Number	Description	Size	Amp
	ATP06-4S-SR01	4 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-SR01BK	4 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-SR02	4 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-SR02BK	4 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A















4 Position - StructurePlus™ ATP Plugs				
Image	Part Number	Description	Size	Amp
	ATP06-4S-OMGRY	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMBLK	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMBLU	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMBRN	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMGRN	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRED	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMWHT	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMYEL	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDGRY	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDBLK	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDBLU	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDBRN	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDGRN	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDRED	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25

	ATP06-4S-OMRDWHT	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
	ATP06-4S-OMRDYEL	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25
4 Position - ATP Series™ Plug Wedgelocks				
Image	Part Number	Description	Size	Amp
	AWP-4S	4 Position, Plug Wedgelock, ATP Series™, Standard Orange	-	-
	AWP-4SA	4 Position, Plug Wedgelock, ATP Series™, Keyed A, Grey	-	-
	AWP-4SB	4 Position, Plug Wedgelock, ATP Series™, Keyed B, Black	-	-
	AWP-4SC	4 Position, Plug Wedgelock, ATP Series™, Keyed C, Green	-	-
	AWP-4SD	4 Position, Plug Wedgelock, ATP Series™, Keyed D, Brown	-	-
4 Position - ATP Series™ Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-4P	4 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-BLK	4 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-EC01	4 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-EC01BLK	4 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-MM01	4 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-MM01BLK	4 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-RD01	4 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-RD01BLK	4 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A

	ATP04-4P-P052	4 Position, Flange Mount Receptacle, 90°, Pins, ATP Series, Feed Thru Wire Leads, Grey Body	12	25A
	ATP04-4P-P059	4 Position, Flange Mount Receptacle, 90°, Pins, ATP Series, Feed Thru Wire Leads, Green Body	12	25A
4 Position - ATP Series™ Receptacles with SR01/SR02 Strain Relief				
Image	Part Number	Description	Size	Amp
	ATP04-4P-SR01	4 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-SR01BK	4 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-SR02	4 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-SR02BK	4 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
4 Position - BoardLock™ ATP Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-4P-BM01	4 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Snap-Fit, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM02	4 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Snap-Fit, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM03	4 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Snap-Fit, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM04	4 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Snap-Fit, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM11	4 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Self-Threading, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM12	4 Position, Straight PCB Receptacle, Pin, Gold, BoardLock™ ATP, Self-Threading, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM13	4 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Self-Threading, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-4P-BM14	4 Position, Straight PCB Receptacle, Pin, Tin, BoardLock™ ATP, Self-Threading, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
4 Position - BoardLock™ ATP13 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP13-4P-BM01GRY	4 Position, 90° PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP13, Self-Threading, Gasket, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM02GRY	4 Position, 90° PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP13, Self-Threading, Gasket, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM03GRY	4 Position, 90° PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP13, Self-Threading, Gasket, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM04GRY	4 Position, 90° PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP13, Self-Threading, Gasket, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM01BLK	4 Position, 90° PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP13, Self-Threading, Gasket, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM02BLK	4 Position, 90° PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP13, Self-Threading, Gasket, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM03BLK	4 Position, 90° PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP13, Self-Threading, Gasket, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP13-4P-BM04BLK	4 Position, 90° PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP13, Self-Threading, Gasket, Potting, Black Body (No Add'l Wedgelock Required)	12	25A




4 Position - BoardLock™ ATP15 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP15-4P-BM01GRY	4 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM02GRY	4 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM03GRY	4 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, No Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM04GRY	4 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, Potting, Grey Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM01BLK	4 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM02BLK	4 Position, Straight PCB Receptacle with Flange, Pins, Gold, Boardlock™ ATP15, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM03BLK	4 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP15-4P-BM04BLK	4 Position, Straight PCB Receptacle with Flange, Pins, Tin, Boardlock™ ATP15, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
4 Position - BoardLock™ ATPF13 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATPF13-4P-BM11	4 Position, PCB Receptacle, 90 Right Angle, Gold Plated, Boardlock™ ATPF13, Self-Threading, Black Body	12	25A
	ATPF13-4P-BM13	4 Position, PCB Receptacle, 90 Right Angle, Tin Plated, Boardlock™ ATPF13, Self-Threading, Black Body	12	25A
4 Position - PanelMate™ ATP Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-4P-PM01	4 Position, Receptacle with Flange, Pin, PanelMate ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4P)	12	25A
	ATP04-4P-PM02	4 Position, Receptacle with Flange, Pin, PanelMate ATP, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-4P)	12	25A
	ATP04-4P-PM07G	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM07GEC	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM08G	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM08GEC	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP4P-L012-GKT	Gasket For 4 Position Receptacle with Flange, Panelmate™ ATP (Use with ATP04-4P-PM01/PM02)	-	-

4 Position - ATP Series™ Kits				
Image	Part Number	Description	Size	Amp
	ATP06-4S-KIT01	4 Position, Plug Kit, ATP Series™ (1) Plug, (4) Socket Contacts, (1) AWP-4S Wedgelock	12	25A
	ATP04-4P-KIT01	4 Position, Receptacle Kit, ATP Series™ (1) Receptacle, (4) Pin Contacts, (1) AWP-4P Wedgelock	12	25A
	ATP4PS-CKIT	4 Position, Plug/Receptacle Kit, ATP Series™ (1) Plug, (4) Socket Contacts, (1) AWP-4S Plug Wedgelock (1) Receptacle, (4) Pin Contacts, (1)AWP-4P Receptacle Wedgelock	12	25A
4 Position - ATP Series™ Receptacle Wedgelocks				
Image	Part Number	Description	Size	Amp
	AWP-4P	4 Position, Receptacle Wedgelock, ATP Series™, Standard Orange	-	-
	AWP-4PA	4 Position, Receptacle Wedgelock, ATP Series™, Keyed A, Grey	-	-
	AWP-4PB	4 Position, Receptacle Wedgelock, ATP Series™, Keyed B, Black	-	-
	AWP-4PC	4 Position, Receptacle Wedgelock, ATP Series™, Keyed C, Green	-	-
	AWP-4PD	4 Position, Receptacle Wedgelock, ATP Series™, Keyed D, Brown	-	-
6 Position - ATP Series™ Plugs				
Image	Part Number	Description	Size	Amp
	ATP06-6S	6 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-BLK	6 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-EC01	6 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Endcap, Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-EC01BK	6 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), Endcap, Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-MM01	6 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Endcap, Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-MM01BK	6 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Endcap, Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A




	ATP06-6S-RD01	6 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-RD01BK	6 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
6 Position - ATP Series™ Plugs with SR01/SR02 Strain Relief				
Image	Part Number	Description	Size	Amp
	ATP06-6S-SR01	6 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-SR01BK	6 Position, Plug, Socket, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-SR02	6 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-SR02BK	6 Position, Plug, Socket, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
6 Position - StructurePlus™ ATP Plugs				
Image	Part Number	Description	Size	Amp
	ATP06-6S-OMGRY	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMBLK	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMBLU	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMBRN	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMGRN	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRED	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMWHT	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMYEL	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25






	ATP06-6S-OMRDGRY	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDBLK	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDBLU	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDBRN	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDGRN	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDRED	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDWHT	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25
	ATP06-6S-OMRDYEL	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25

6 Position - ATP Series™ Plug Wedgelocks





Image	Part Number	Description	Size	Amp
	AWP-6S	6 Position, Plug Wedgelock, ATP Series™, Standard Orange	-	-
	AWP-6SA	6 Position, Plug Wedgelock, ATP Series™, Keyed A, Grey	-	-
	AWP-6SB	6 Position, Plug Wedgelock, ATP Series™, Keyed B, Black	-	-

6 Position - ATP Series™ Receptacles



Image	Part Number	Description	Size	Amp
	ATP04-6P	6 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-BLK	6 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-EC01	6 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A


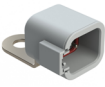











	ATP04-6P-EC01BK	6 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-MM01	6 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-MM01BK	6 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-RD01	6 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-RD01BK	6 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A















6 Position - ATP Series™ Receptacles with SR01/SR02 Strain Relief



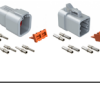



Image	Part Number	Description	Size	Amp
	ATP04-6P-SR01	6 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-SR01BK	6 Position, Receptacle, Pin, ATP Series™, Standard Diameter Rear Seal (Red), SR01 Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-SR02	6 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-SR02BK	6 Position, Receptacle, Pin, ATP Series™, Reduced Diameter Rear Seal (Green), SR02 Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A

6 Position - BoardLock™ ATP Series Receptacles

Image	Part Number	Description	Size	Amp
	ATP04-6P-BM01	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Snap-Fit, Gold Contact Plated, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM02	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Snap-Fit, Gold Contact Plated, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM03	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Snap-Fit, Tin Contact Plated, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM04	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Snap-Fit, Tin Contact Plated, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM11	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Self-Threading, Gold Contact Plated, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM12	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Self-Threading, Gold Contact Plated, Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM13	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Self-Threading, Tin Contact Plated, No Potting, Black Body (No Add'l Wedgelock Required)	12	25A
	ATP04-6P-BM14	6 Position, Straight PCB Receptacle, Pin, BoardLock™ ATP, Self-Threading, Tin Contact Plated, Potting, Black Body (No Add'l Wedgelock Required)	12	25A

6 Position - BoardLock™ ATPF13 Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATPF13-6P-BM11	6 Position, PCB Receptacle, 90 Right Angle, Gold Plated, Boardlock™ ATPF13, Self-Threading, Black Body	12	25A
	ATPF13-6P-BM13	6 Position, PCB Receptacle, 90 Right Angle, Tin Plated, Boardlock™ ATPF13, Self-Threading, Black Body	12	25A
6 Position - HYPERBUS™ ATP Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-6PA-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUS™ ATP, Keyed A, Grey Body	12	25A (150A Total)
	ATP04-6PB-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUS™ ATP, Keyed B, Black Body	12	25A (150A Total)
6 Position - PanelMate™ ATP Series Receptacles				
Image	Part Number	Description	Size	Amp
	ATP04-6P-PM05	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05EC	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05ECBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05SR	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05SRBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06EC	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06ECBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A

	ATP04-6P-PM06SR	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06SRBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM11	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM11BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM12	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM12BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM13	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM13BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM14	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM14BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM15	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM15BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM16	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM16BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A

6 Position - ATP Series™ Kits				
Image	Part Number	Description	Size	Amp
	ATP06-6S-KIT01	6 Position, Plug Kit, ATP Series™ (1) Plug, (6) Socket Contacts, (1) AWP-6S Wedgelock	12	25A
	ATP04-6P-KIT01	6 Position, Receptacle Kit, ATP Series™ (1) Receptacle, (6) Pin Contacts, (1) AWP-6P Wedgelock	12	25A
	ATP6PS-CKIT	6 Position, Plug/Receptacle Kit, ATP Series™ (1) Plug, (6) Socket Contacts, (1) AWP-6S Plug Wedgelock (1) Receptacle, (6) Pin Contacts, (1)AWP-6P Receptacle Wedgelock	12	25A
6 Position - ATP Series™ Receptacle Wedgelocks				
Image	Part Number	Description	Size	Amp
	AWP-6P	6 Position, Receptacle Wedgelock, ATP Series™, Standard Orange	-	-
	AWP-6PA	6 Position, Receptacle Wedgelock, ATP Series™, Keyed A, Grey	-	-
	AWP-6PB	6 Position, Receptacle Wedgelock, ATP Series™, Keyed B, Black	-	-



ATS ATSSeries™



Rectangular, Thermoplastic Connectors for Harsh Environment Applications

Available in 26 and 34 position

Amphenol Sine Systems' **ATS Series™ Connectors** are a high-performance, IP67 and IP69K rated (in mated condition), rectangular, thermoplastic, cost-effective solution for harsh environmental applications with superior seals and seal retention capabilities. The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Receptacles are available in both 90° right angle and 180° straight pin PCB options, as well as traditional in-line options, and have been developed to be compatible with existing standard products industry-wide. ATS Series™ connectors utilize precision-engineered, 3-tang contacts featured in our ecomate® Family of products.

Available in Plugs, Inline Receptacles, Flange Mount Receptacles and with **BoardLock™** PCB Receptacles.

Key Features

- IP67 and IP69K rated (in mated condition)
- Integrated TPA design, ensures contact alignment and retention
- Available in A and B keying options
- Utilizes ecomate® 1.0 mm receptacle common contacts
- Comparable with existing standard products industry-wide

Applications: Harsh Environment, Agricultural Machinery, Automobiles, Military, New Energy, Railways, Navigation and other demanding interconnect applications

ATS Series™ - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP67 and IP69K
Max Current (Amperage)	Up to 7.5A
Max. Voltage Rating (AC/DC)	250V AC/DC
Operating Temperature	-55°C to +125°C
Coupling Systems	Integrated Latch (Single or Double)
Housing Body	Thermoplastic
Contact Types	Machined, Stamped & Formed, Solder
Contact Material	Copper Alloy, Gold Plating (Nickel Plating available)
Contact Resistance	< 11 mΩ
Insulation Resistance	> 1000 MΩ minimum 500VDC/60 Sec.
Wire Range	18-30AWG (See individual datasheets)
Sealing Material	Silicone Elastomer
Mating Cycles	>500
Dielectric Withstanding Voltage	Neither dielectric breakdown nor spark occurred during in test, current leakage less than 2.0mA under 1500VAC
High Temperature Life	No evidence of cracking, distortion, or other damage detrimental to the normal operation of the connectors. The insulation resistance shall be no less than 500 megohms. IPX7 test shall be good.

Thermal Shock	No cracking, chipping or leaking after 20 test cycles from -55°C to 125°C
Temperature/Humidity Cycling	Subjected to 10 cycles in temperature/humidity chamber with no evidence of cracking, chipping or other damage detrimental to the normal operation of the connectors. The insulation resistance shall be greater than 500 megohms. IPX7 test shall be good.
Durability	Plugs and receptacles are mated and unmated by hand 500 times in a way as to simulate the actual use of customers. No evidence of damage detrimental to their normal operation. IPX7 shall be good.
Drop Test	No evidence of damage detrimental to their normal operation after being dropped from a height of 1200mm on a cement floor 8 times.
Salt Spray	No evidence of corrosion after 48 hrs
Connector Retention Force	The connector retention force exceeds 110N
Contact Retention Force	The contact retention force exceeds 12 lb/ft
Fluid Immersion	No visible evidence of damage detrimental to their normal operation after 5 cycles of immersion in oil, brake fluid, detergent, diesel fuel or antifreeze.
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)

IP Ratings

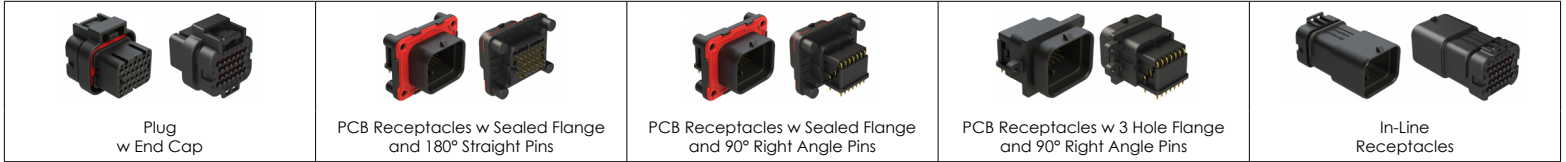
IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

A Series™ Family

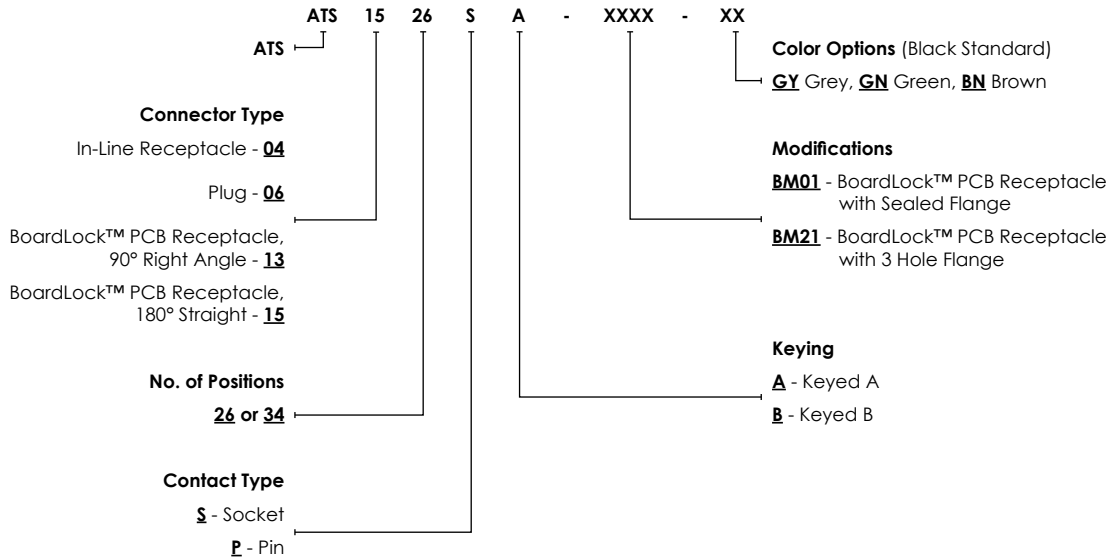


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ATS Series™ - Connector Configurations



ATS Series™ - Part Numbering Sequence



Custom Color Options (Contact Customer Service)



ATS Series™ Plugs (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

Image	Part Number	Description	Size	Amp
	ATS06-26SA	26 Position, Plug, Socket, Contact Size 20, ATS Series™, Single Latch, Keyed A, End Cap, Black Body	20	7.5
	ATS06-26SB	26 Position, Plug, Socket, Contact Size 20, ATS Series™, Single Latch, Keyed B, End Cap, Black Body	20	7.5
	ATS06-34SA1	34 Position, Plug, Socket, Contact Size 20, ATS Series™, Single Latch, Keyed A, End Cap, Black Body	20	7.5
	ATS06-34SB1	34 Position, Plug, Socket, Contact Size 20, ATS Series™, Single latch, Keyed B, End Cap, Black Body	20	7.5
	ATS06-34SA2	34 Position, Plug, Socket, Contact Size 20, ATS Series™, Double Latch, Keyed A, End Cap, Black Body	20	7.5
	ATS06-34SB2	34 Position, Plug, Socket, Contact Size 20, ATS Series™, Double Latch, Keyed B, End Cap, Black Body	20	7.5

ATS Series™ In-Line Receptacles (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

	ATS04-26PA	26 Position, In-Line Receptacle, Pin, Contact Size 20, Pin Locator, ATS Series™, Single Latch, Keyed A, End Cap, Black Body Note: FT-ATS26P Installation Fixture Tool required for installation of Pin Locator	20	7.5
	ATS04-26PB	26 Position, In-Line Receptacle, Pin, Contact Size 20, Pin Locator, ATS Series™, Single Latch, Keyed B, End Cap, Black Body Note: FT-ATS26P Installation Fixture Tool required for installation of Pin Locator	20	7.5

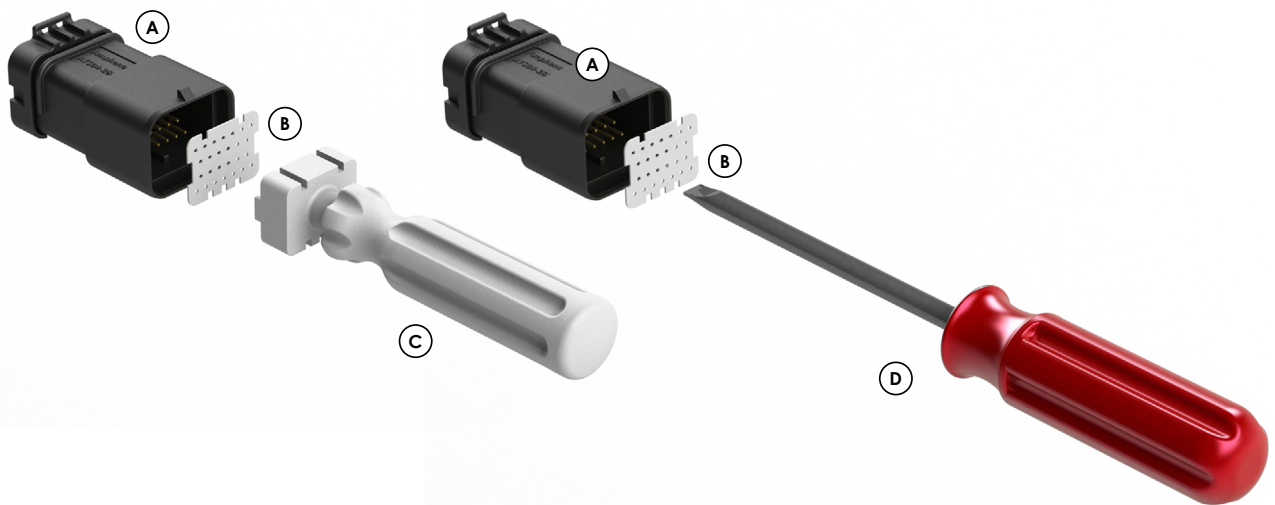
ATS Series™ with BoardLock™ - PCB Receptacles (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

Image	Part Number	Description	Size	Amp
	ATS13-26PA-BM01	26 Position, PCB Receptacle with Sealed Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed A, Black Body	20	7.5
	ATS13-26PB-BM01	26 Position, PCB Receptacle with Sealed Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed B, Black Body	20	7.5
	ATS13-26PA-BM21	26 Position, PCB Receptacle with 3 Hole Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed A, Black Body	20	7.5
	ATS13-26PB-BM21	26 Position, PCB Receptacle with 3 Hole Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed B, Black Body	20	7.5
	ATS13-34PA1-BM01	34 Position, PCB Receptacle with Sealed Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed A, Black Body	20	7.5
	ATS13-34PB1-BM01	34 Position, PCB Receptacle with Sealed Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed B, Black Body	20	7.5
	ATS13-34PA2-BM01	34 Position, PCB Receptacle with Sealed Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Double Latch, Keyed A, Black Body	20	7.5
	ATS13-34PB2-BM01	34 Position, PCB Receptacle with Sealed Flange, 90° Right Angle, Pin, Contact Size 20, ATS Series™ with BoardLock™, Self-Threading, Double Latch, Keyed B, Black Body	20	7.5
	ATS15-26PA-BM01	26 Position, PCB Receptacle with Flange, 180° Straight, Pin, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Gasket, Keyed A, Black Body	20	7.5
	ATS15-26PB-BM01	26 Position, PCB Receptacle with Flange, 180° Straight, Pin, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Gasket, Keyed B, Black Body	20	7.5
	ATS15-34PA1-BM01	34 Position, PCB Receptacle with Sealed Flange, 180° Straight, Pin, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed A, Black Body	20	7.5
	ATS15-34PB1-BM01	34 Position, PCB Receptacle with Sealed Flange, 180° Straight, Pin, ATS Series™ with BoardLock™, Self-Threading, Single Latch, Keyed B, Black Body	20	7.5
	ATS15-34PA2-BM01	34 Position, PCB Receptacle with Sealed Flange, 180° Straight, Pin, ATS Series™ with BoardLock™, Self-Threading, Double Latch, Keyed A, Black Body	20	7.5
	ATS15-34PB2-BM01	34 Position, PCB Receptacle with Sealed Flange, 180° Straight, Pin, ATS Series™ with BoardLock™, Self-Threading, Double Latch, Keyed B, Black Body	20	7.5

ATS Series™ In-Line Receptacle - Installation of Pin Locator (Assembly Instructions can be found at www.amphenol-sine.com/assembly-instructions)

Once the pins have been inserted into the In-Line Receptacle housing, the Pin Locator is installed to ensure the proper alignment of the pins. Installation of the Pin Locator can be accomplished with the use of either the FT-ATS26P Installation Fixture Tool (purchased separately), or a standard flathead screwdriver.

- (A) In-Line Receptacle
- (B) Pin Locator
- (C) FT-ATS26P Installation Fixture Tool
- (D) Screwdriver



ATS Series™ Contacts & Tooling

Machined, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm ²)	Plating
Male	Female			
MP18W23F	MS18W23F	18-20AWG	0.75-0.5 mm ²	Gold Flash
MP18W23G10	MS18W23G10	18-20AWG	0.75-0.5 mm ²	Gold 10µ"
MP18W23G15	MS18W23G15	18-20AWG	0.75-0.5 mm ²	Gold 15µ"
MP18W23G30	MS18W23G30	18-20AWG	0.75-0.5 mm ²	Gold 30µ"
MP20W23F	MS20W23F	20-22AWG	0.34-0.50 mm ²	Gold Flash
MP20W23G5	MS20W23G5	20-22AWG	0.34-0.50 mm ²	Gold 5µ"
MP20W23G10	MS20W23G10	20-22AWG	0.34-0.50 mm ²	Gold 10µ"
MP20W23G15	MS20W23G15	20-22AWG	0.34-0.50 mm ²	Gold 15µ"
MP20W23G30	MS20W23G30	20-22AWG	0.34-0.50 mm ²	Gold 30µ"
MP24W23F	MS24W23F	24-26AWG	0.14-0.25 mm ²	Gold Flash
MP24W23G5	MS24W23G5	24-26AWG	0.14-0.25 mm ²	Gold 5µ"
MP24W23G10	MS24W23G10	24-26AWG	0.14-0.25 mm ²	Gold 10µ"
MP24W23G15	MS24W23G15	24-26AWG	0.14-0.25 mm ²	Gold 15µ"
MP24W23G30	MS24W23G30	24-26AWG	0.14-0.25 mm ²	Gold 30µ"
MP28W23F	MS28W23F	28-30AWG	0.05-0.08 mm ²	Gold Flash
MP28W23G5	MS28W23G5	28-30AWG	0.05-0.08 mm ²	Gold 5µ"
MP28W23G10	MS28W23G10	28-30AWG	0.05-0.08 mm ²	Gold 10µ"
MP28W23G15	MS28W23G15	28-30AWG	0.05-0.08 mm ²	Gold 15µ"
MP28W23G30	MS28W23G30	28-30AWG	0.05-0.08 mm ²	Gold 30µ"

Machined, Tooling	
Part Number	Description
MFX-3959	Hand Crimp Tool for Machined Contacts
MFX-3960	Pneumatic Crimp Tool for Machined Contact

Plating Options, All	
Symbol	Plating
T	Tin Plated (for Stamped & Formed Contacts)
S	Silver Plated 5Um (for Machined Contacts)
F	Gold Plated
G5	Gold Plated (Thickness 5µ")
G10	Gold Plated (Thickness 10µ")
G15	Gold Plated (Thickness 15µ")
G30	Gold Plated (Thickness 30µ")

Stamped & Formed, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm ²)	Plating
Male	Female			
SP20W2F	SS20W2F	18-22AWG	0.34-0.50 mm ²	Gold Flash
SP20W2G5	SS20W2G5	18-22AWG	0.34-0.50 mm ²	Gold 5µ"
SP20W2G10	SS20W2G10	18-22AWG	0.34-0.50 mm ²	Gold 10µ"
SP20W2G15	SS20W2G15	18-22AWG	0.34-0.50 mm ²	Gold 15µ"
SP20W2G30	SS20W2G30	18-22AWG	0.34-0.50 mm ²	Gold 30µ"
SP24W2F	SS24W2F	24-26AWG	0.14-0.25 mm ²	Gold Flash
SP24W2G5	SS24W2G5	24-26AWG	0.14-0.25 mm ²	Gold 5µ"
SP24W2G10	SS24W2G10	24-26AWG	0.14-0.25 mm ²	Gold 10µ"
SP24W2G15	SS24W2G15	24-26AWG	0.14-0.25 mm ²	Gold 15µ"
SP24W2G30	SS24W2G30	24-26AWG	0.14-0.25 mm ²	Gold 30µ"
SP28W2F	SS28W2F	28-30AWG	0.05-0.08 mm ²	Gold Flash
SP28W2G5	SS28W2G5	28-30AWG	0.05-0.08 mm ²	Gold 5µ"
SP28W2G10	SS28W2G10	28-30AWG	0.05-0.08 mm ²	Gold 10µ"
SP28W2G15	SS28W2G15	28-30AWG	0.05-0.08 mm ²	Gold 15µ"
SP28W2G30	SS28W2G30	28-30AWG	0.05-0.08 mm ²	Gold 30µ"

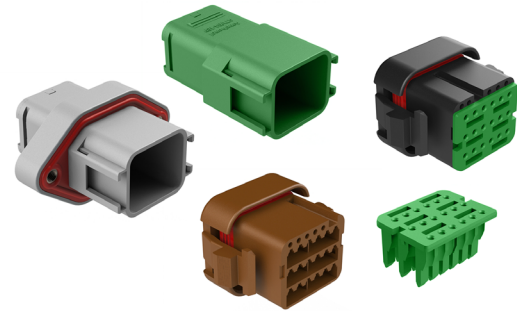
Stamped & Formed, Tooling	
Part Number	Description
MFX-3958	Hand Tool, Stamped & Formed Contact, Size 20
MFX-3957	Crimp Die for Stamped & Formed Contact

Tooling, All	
Part Number	Description
AT13-204-2005	Standard Sealing Plug, Size 20
ART-100	Standard Contact and Wedgelock Extraction Tool
FT-ATS26P	Installation Fixture Tool for ATS04-26PX
ISRT20	Contact Insertion Tool, Size 20
QXRT20-ATS26P	Contact Extraction Tool, Size 20

Standard Quantity Order Options	
Machined	Bulk Package, 500 Pieces
Stamped & Formed	Reel, 3000 Pieces



ATV Series™



18 Position Heavy Duty Connectors

The ATV Series™ connectors further expands the proven reliability of the AT Series™ with a compact 18 position sealed flange design. The durable thermoplastic housings feature built-in contact sealing to eliminate individual wire-sealing grommets, while an integral interfacial seal protects mated connectors. The ATV Series™ is perfectly suited to on and off highway applications, marine, industrial, and agriculture markets in harsh environments.

Key Features

- 18 Position cavity arrangement
- Rectangular, thermoplastic housing
- Accepts contact size 16 (13A)
- 14-22AWG
- Flange Mount or In-line (Flangeless) Capability
- Integrated latch for mating
- Integrated wedgelock confirms contact alignment/retention
- Available in custom color options



Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic
Contacts	Copper Alloy, Nickel Plated, Gold optional
Temperature	Operating temperature range: -55°C to +125°C at rated current
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times.
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 16 contacts with 16AWG conductor - 100 mV drop max at 13A test current
IP Rating	IP68 (in mated condition)

A Series™ Family

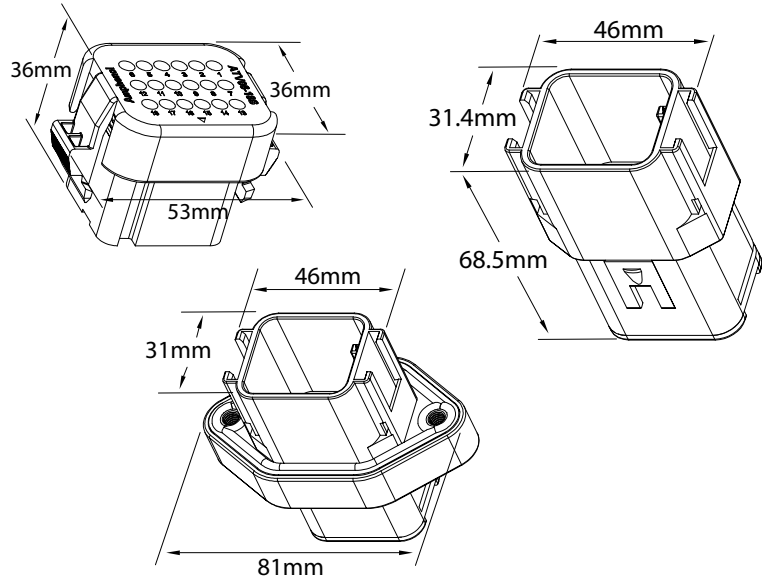


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ATV Series™ Heavy Duty Connectors

Image	Part Number	Description
	ATV02-18PA	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key A, Grey
	ATV02-18PA-RR01	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key A, Double Reduced Seal, Grey
	ATV02-18PB	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key B, Black
	ATV02-18PB-RR01	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key B, Double Reduced Seal, Black
	ATV02-18PC	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key C, Green
	ATV02-18PC-RR01	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key C, Double Reduced Seal, Green
	ATV02-18PD	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key D, Brown
	ATV02-18PD-RR01	18 Pos., Flange Mount Receptacle, Size 16 Contact, Key D, Double Reduced Seal, Brown
	ATV04-18PA	18 Pos., In-Line Receptacle, Size 16 Contact, Key A, Grey
	ATV04-18PA-RR01	18 Pos., In-Line Receptacle, Size 16 Contact, Key A, Double Reduced Seal, Grey
	ATV04-18PB	18 Pos., In-Line Receptacle, Size 16 Contact, Key B, Black
	ATV04-18PB-RR01	18 Pos., In-Line Receptacle, Size 16 Contact, Key B, Double Reduced Seal, Black
	ATV04-18PC	18 Pos., In-Line Receptacle, Size 16 Contact, Key C, Green
	ATV04-18PC-RR01	18 Pos., In-Line Receptacle, Size 16 Contact, Key C, Double Reduced Seal, Green
	ATV04-18PD	18 Pos., In-Line Receptacle, Size 16 Contact, Key D, Brown
	ATV04-18PD-RR01	18 Pos., In-Line Receptacle, Size 16 Contact, Key D, Double Reduced Seal, Brown
	ATV06-18SA	18 Pos., Plug, Size 16 Contact, Key A, Standard Seal, Grey
	ATV06-18SA-RR01	18 Pos., Plug, Size 16 Contact, Key A, Double Reduced Seal, Grey
	ATV06-18SB	18 Pos., Plug, Size 16 Contact, Key B, Standard Seal, Black
	ATV06-18SB-RR01	18 Pos., Plug, Size 16 Contact, Key B, Double Reduced Seal, Black
	ATV06-18SC	18 Pos., Plug, Size 16 Contact, Key C, Standard Seal, Green
	ATV06-18SC-RR01	18 Pos., Plug, Size 16 Contact, Key C, Double Reduced Seal, Green
	ATV06-18SD	18 Pos., Plug, Size 16 Contact, Key D, Standard Seal, Brown
	ATV06-18SD-RR01	18 Pos., Plug, Size 16 Contact, Key D, Double Reduced Seal, Brown
	AWV-18P	Wedgelock For 18 Pos., ATV Receptacle, Green
	AWV-18S	Wedgelock For 18 Pos., ATV Plug, Green

Image	Keying Option A, B, C, D





BL BoardLock™ Family



Available in AT, ATHD, ATM and ATP
1, 2, 3, 4, 6, 8, 12, 13 and 18 position (See individual series)

Amphenol Sine Systems' BoardLock™ Family options include flanged or flangeless, 180° straight or 90° right angle pin-oriented, snap-fit or self-threading, wire-to-board versatility with the proven reliability of the A Series™ environmentally-sealed thermoplastic connection system with a maximum current rating up to 100A. Featuring a compact, durable, low-profile and lightweight design, perfect for power or data signal applications.

All BoardLock™ product lines accept A Series™ components and are compatible with other industry standard mating connectors.

Applications

Power & Signal Connectivity, Data Acquisition, HVAC Systems, Farming Implementation, Boating, Sealed Environments, Heavy Equipment, Transportation, Industrial, Off-Road and Harsh Environments

Features

- Flanged or Flangeless
- 180° Straight or 90° Right Angle Pin Orientation
- Snap-Fit or Self-Threading
- Potted or Unpotted



BoardLock™ Family Specifications Overview

Positions	1, 2, 3, 4, 6, 8, 12, 13 and 18 (See individual series)	Mating Cycles	100 Cycles
Current Rating	7.5A to 100A (See individual datasheets)	Operating Voltage	250V to 500V
Pin Orientation	Straight or 90° Right Angle	Seal Material	Silicone Rubber (See individual datasheets)
Mounting Type	Snap-Fit or Self-Threading (See individual series)	Temperature Range	-55°C to +125°C at rated current
Flange	Flanged or Flangeless (See individual series)	Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Contact Material/Plating	Copper Alloy/Gold, Nickel or Tin Plating		
Contact Millivolt Drop	See individual series	Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Contact Termination	Direct Solder		
Contact Types	Machined, PC Tail	Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)
Housing Material	Thermoplastic		
Insulation Resistance	1000 megohms minimum at 25°C		
IP Rating	IP68 (in mated condition)		
Keying Options	See individual datasheets		

A ASeries™ Family



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BoardLock™ Family Comparison Chart

Series	 BoardLock™ AT	 BoardLock™ AT13/15	 BoardLock™ ATF13
Image			
Positions	2, 3, 4, 6, 8, 12 and 18	2, 4, 6, 8, 12, 13 (Mixed) and 18	2, 3, 4, 6, 8, 12 and 13 (Mixed)
Current Rating	Size 16, 13A	2, 4, 6, 8, 12, 18 pos: Size 16, 13A 13 pos (Mixed): Size 12/16, 25A/13A	2, 3, 4, 6, 8, 12 pos: Size 16, 13A 13 pos (Mixed): Size 12/16, 25A/13A
Flange	Flangeless	Flanged	Flangeless
Mounting Type	Snap-Fit (2-12 Pos) or Self-Threading (18 Pos)	Self-Threading	Snap-Fit or Self-Threading
Pin Orientation	180° Straight	AT13: 90° Right Angle / AT15: 180° Straight	90° Right Angle
Contact Material/Plating	Copper Alloy/Gold, Nickel Plating	Copper Alloy/Gold, Tin Plating	Copper Alloy/Gold, Tin Plating
Contact Millivolt Drop	100 mV drop max at 13A current	2,4,6,8,12 and 18 pos: 100mV drop max at 13A current 13 (11+2) pos: 100mV drop max at 13A/25A current	100 mV drop max at 13A current
Contact Termination	Direct Solder	Direct Solder	Direct Solder
Contact Types	Machined, PC Tail	Machined, PC Tail	Machined, PC Tail
Dielectric Value	Less than 2 milliamps current leakage @ 1500 volts AC	Less than 2 milliamps current leakage @ 1500 volts AC	Less than 2 milliamps current leakage @ 1500 volts AC
Housing Material	Thermoplastic	Thermoplastic	Thermoplastic
Insulation Resistance	1000 megohms minimum at 25°C	1000 megohms minimum at 25°C	1000 megohms minimum at 25°C
IP Rating	IP68 (in mated condition)	IP68 (in mated condition)	IP68 (in mated condition)
Keying Options	Available in 8, 12 and 18 pos only	Available in 6, 8, 12 and 18 pos only	Available in 6, 8, 12 pos only
Mating Cycles	100 Cycles	100 Cycles	100 Cycles
Operating Voltage	250 VDC	250 VDC	250 VDC
Seal Material	n/a	Silicone Rubber	n/a
Temperature Range	-55°C to +125°C at rated current	-55°C to +125°C at rated current	-55°C to +125°C at rated current
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)

BoardLock™ Family Comparison Chart, cont.

Series	 BoardLock™ ATFHD13	 BoardLock™ ATHD	 BoardLock™ ATM13/15
Image			
Positions	Single Position	Single Position	2, 3, 4, 6, 8, and 12
Current Rating	Size 4, 100A	Size 4, 8 or 12; 25A to 100A	Size 20, 7.5A
Flange	Flangeless	Flangeless	Flanged
Mounting Type	Snap-Fit or Self-Threading	Self-Threading	Self-Threading
Pin Orientation	90° Right Angle	180° Straight	ATM13: 90° Right Angle / ATM15: 180° Straight
Contact Material/Plating	Copper Alloy/Gold, Tin Plating	Copper Alloy/Gold, Nickel, Tin Plating	Copper Alloy/Gold, Tin Plating
Contact Millivolt Drop	100 mV drop max at 100A current	100 mV drop max at 100A current	100 mV drop max at 7.5A current
Contact Termination	Direct Solder	Direct Solder	Direct Solder
Contact Types	Machined, PC Tail	Machined, PC Tail	Machined, PC Tail
Dielectric Value	Less than 2 milliamps current leakage @ 3000 volts AC	Less than 2 milliamps current leakage @ 3000 volts AC	Less than 2 milliamps current leakage @ 1500 volts AC
Housing Material	Thermoplastic	Thermoplastic	Thermoplastic
Insulation Resistance	1000 megohms minimum at 25°C	1000 megohms minimum at 25°C	1000 megohms minimum at 25°C
IP Rating	IP68 (in mated condition)	IP68 (in mated condition)	IP68 (in mated condition)
Keying Options	Not Applicable	Not Applicable	Available in 8, 12 pos only
Mating Cycles	100 Cycles	100 Cycles	100 Cycles
Operating Voltage	250V to 500V	250V to 500V	250 VDC
Seal Material	Silicone Rubber	Silicone Rubber	Silicone Rubber
Temperature Range	-55°C to +125°C at rated current	-55°C to +125°C at rated current	-55°C to +125°C at rated current
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)

BoardLock™ Family Comparison Chart, cont.

Series	 BoardLock™ ATP	 BoardLock™ ATP13/15	 BoardLock™ ATPF13
Image			
Positions	2, 4 and 6	2 and 4	2, 4 and 6
Current Rating	Size 12, 25A	Size 12, 25A	Size 12, 25A
Flange	Flangeless	Flanged	Flangeless
Mounting Type	Snap-Fit or Self-Threading	Self-Threading	Self-Threading
Pin Orientation	180° Straight	ATP13: 90° Right Angle / ATP15: 180° Straight	90° Right Angle
Contact Material/Plating	Copper Alloy/Gold, Tin Plating	Copper Alloy/Gold, Tin Plating	Copper Alloy/Gold, Tin Plating
Contact Millivolt Drop	100 mV drop max at 25A current	100 mV drop max at 25A current	100 mV drop max at 25A current
Contact Termination	Direct Solder	Direct Solder	Direct Solder
Contact Types	Machined, PC Tail	Machined, PC Tail	Machined, PC Tail
Dielectric Value	Less than 2 milliamps current leakage @ 1500 volts AC	Less than 2 milliamps current leakage @ 1500 volts AC	Less than 2 milliamps current leakage @ 1500 volts AC
Housing Material	Thermoplastic	Thermoplastic	Thermoplastic
Insulation Resistance	1000 megohms minimum at 25°C	1000 megohms minimum at 25°C	1000 megohms minimum at 25°C
IP Rating	IP68 (in mated condition)	IP68 (in mated condition)	IP68 (in mated condition)
Keying Options	Not Applicable	Available in ATP15-, 4 pos only (A, B, C and D)	Not Applicable
Mating Cycles	100 Cycles	100 Cycles	100 Cycles
Operating Voltage	250 VDC	250 VDC	250 VDC
Seal Material	Silicone Rubber	Silicone Rubber	Silicone Rubber
Temperature Range	-55°C to +125°C at rated current	-55°C to +125°C at rated current	-55°C to +125°C at rated current
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)	Continued continuity without degradation to mechanical or physical attributes following vibration. (Max acceleration 20 g's at Sine sweep of 10-2000Hz)



DL DuraLok™



Dual-Locking, Heavy-Duty Power & Signal Connectors

Available in 38 position (6 x Power/32 x Signal Configuration)

Amphenol Sine Systems' **DuraLok™ Dual-Locking Connectors** are high-density, heavy-duty, environmentally-sealed connectors available in both Plugs and Receptacles. The robust, integrated locking lever, built directly into the Plug housing, ensures a secure mating with the Receptacle every time.

All Plugs and Receptacles are IP68 and IP69K rated (in mated condition).



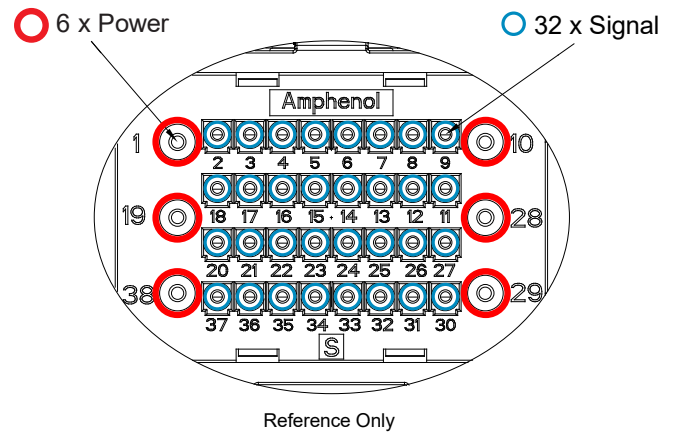
Key Features

- Integrated Locking Lever
- Combined Power & Signal In One
- A, B & C Keying Options

Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments

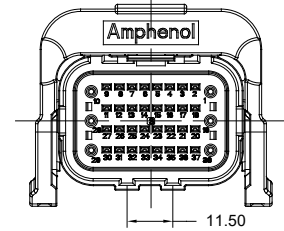
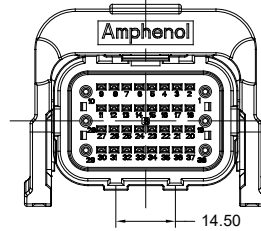
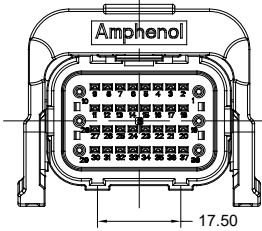
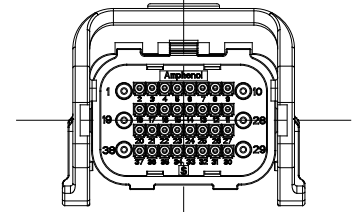
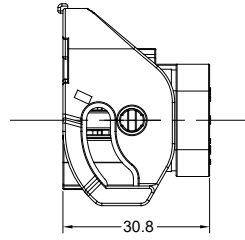
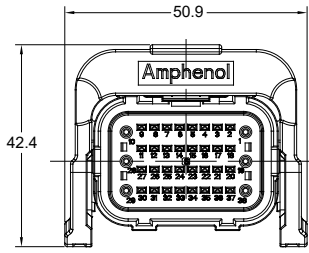
Technical Specifications

Temperature Range	-40°C to +125°C
Max. Current (AMP)	13A (Power), 5A (Signal)
Voltage Rating (AC/DC)	250V
IP Rating	IP68 and IP69K (in mated condition)
Min. Mating Cycles	> 500
Dielectric Value	Less than 2 mA current leakage @2000V AC
Insulation Resistance	500 megohms minimum
Contact Type	Stamped & Formed
Contact Material	Copper Alloy
Contact Plating	Tin (Standard); Gold or Nickel Plating (Optional)
Body Material (Shell, Locking Lever, End Cap)	Thermoplastic UL94 V-0
Wire Seal/Gasket	Silicone Rubber
RoHS	Compliant



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DuraLok™ Plug Dimensions (in mm) & Keying Options (A, B and C)

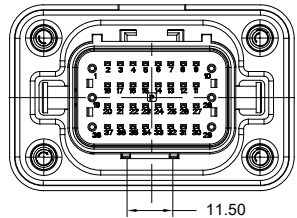
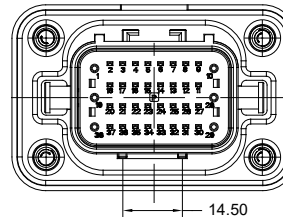
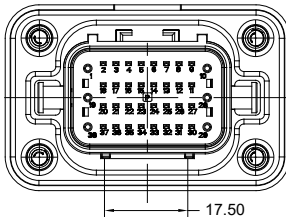
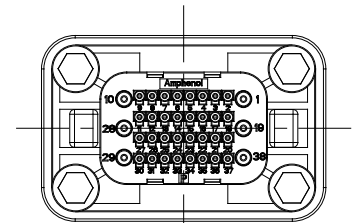
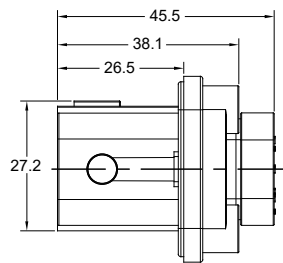
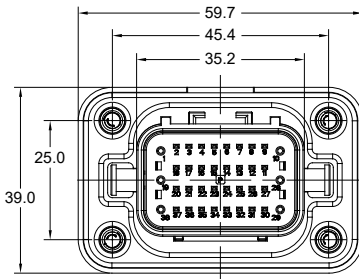


Plug - Key A (ATV06-38SA-Sx)

Plug - Key B (ATV06-38SB-Sx)

Plug - Key C (ATV06-38SC-Sx)

DuraLok™ Receptacle Dimensions (in mm) & Keying Options (A, B and C)

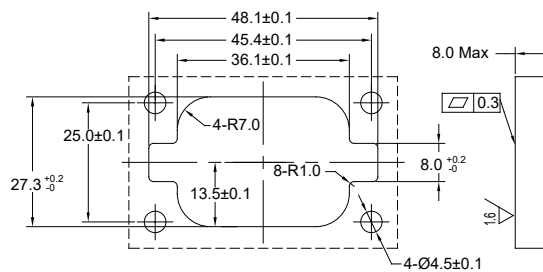


Receptacle - Key A (ATV04-38PA-Sx)

Receptacle - Key B (ATV04-38PB-Sx)

Receptacle - Key C (ATV04-38PC-Sx)

DuraLok™ Receptacle Panel Cutout Dimensions (in mm)







Receptacle - Panel Cutout

Image	Part Number	Description	Wire Range	Amp	Volt
	ATV06-38SA-S2	38 Position, Plug, Socket, DuraLok™, Power and Signal, Standard Seal, Keyed A, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV04-38PA-S2	38 Position, Receptacle, Pin, DuraLok™, Power and Signal, Standard Seal, Keyed A, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV06-38SB-S2	38 Position, Plug, Socket, DuraLok™, Power and Signal, Standard Seal, Keyed B, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV04-38PB-S2	38 Position, Receptacle, Pin, DuraLok™, Power and Signal, Standard Seal, Keyed B, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV06-38SC-S2	38 Position, Plug, Socket, DuraLok™, Power and Signal, Standard Seal, Keyed C, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV04-38PC-S2	38 Position, Receptacle, Pin, DuraLok™, Power and Signal, Standard Seal, Keyed C, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	PL000761	Dust Cap for Recep, DuraLok™, White	-	-	-
	PL000762	Dust Cap for Plug, DuraLok™, White	-	-	-

Image	Part Number	Description	Wire Range	Amp
	SC000571T	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Tin Plating *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	5A
	SC000572T	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Tin Plating *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	5A
	SC000571F	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Flash	20-22AWG (0.34-0.50mm ²)	5A
	SC000572F	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Flash	20-22AWG (0.34-0.50mm ²)	5A
	SC000571Gx	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Plating G5 = 5μ" Gold Plating; G10 = 10μ" Gold Plating G15 = 15μ" Gold Plating; G30 = 30μ" Gold Plating	20-22AWG (0.34-0.50mm ²)	5A
	SC000572Gx	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Plating G5 = 5μ" Gold Plating; G10 = 10μ" Gold Plating G15 = 15μ" Gold Plating; G30 = 30μ" Gold Plating	20-22AWG (0.34-0.50mm ²)	5A
	SC000571N	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Nickel Plating	20-22AWG (0.34-0.50mm ²)	5A
	SC000572N	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Nickel Plating	20-22AWG (0.34-0.50mm ²)	5A
	SP14M2F	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	14-16AWG (2.0-2.5mm ²)	13A
	SS14M2F	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	14-16AWG (2.0-2.5mm ²)	13A
	SP14M2Gx	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	14-16AWG (2.0-2.5mm ²)	13A

Image	Part Number	Description	Wire Range	Amp
	SS14M2Gx	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	14-16AWG (2.0-2.5mm ²)	13A
	SP14M2T	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	14-16AWG (2.0-2.5mm ²)	13A
	SS14M2T	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	14-16AWG (2.0-2.5mm ²)	13A
	SP16M2F	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	16-18AWG (0.75-1.5mm ²)	13A
	SS16M2F	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	16-18AWG (0.75-1.5mm ²)	13A
	SP16M2Gx	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SS16M2Gx	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SP16M2T	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SS16M2T	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SP20M2F	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	13A

Image	Part Number	Description	Wire Range	Amp
	SS20M2F	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	13A
	SP20M2Gx	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	20-22AWG (0.34-0.50mm ²)	13A
	SS20M2Gx	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	20-22AWG (0.34-0.50mm ²)	13A
	SP20M2T	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Tin Plating over Nickel	20-22AWG (0.34-0.50mm ²)	13A
	SS20M2T	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Tin Plating over Nickel	20-22AWG (0.34-0.50mm ²)	13A



DM Dura|Mate™ Family



Environmentally-Sealed, Multi-Pin, Heavy-Duty, Plastic or Metal Circular Connectors

Amphenol Sine Systems' **Dura|Mate™ Family** of environmentally-sealed, multi-pin, heavy duty, plastic (AHDP) or metal (AHDM/AHDBM) circular connectors provide an economical, quick-connect, bayonet-locking system manufactured to withstand the challenges and complexities of harsh-environment, off-road applications. Our ISOBUS 91 Series products specifically meet ISO 11783 standards (for control and communications between tractors, implements and software) for agricultural applications. Available in the following variations: **Dura|Mate™ AHDP**, **Dura|Mate™ AHDP with Panel|Mate™**, **Dura|Mate™ AHDP with HYPERBUSS™**, **Dura|Mate™ AHDP ISOBUS 91 Series**, **Dura|Mate™ AHDM** and **Dura|Mate™ AHDM/AHDBM ISOBUS 91 Series**.

- DM Dura|Mate™ AHDP**
- DM Dura|Mate™ AHDP with Panel|Mate™**
- DM Dura|Mate™ AHDP with HYPERBUSS™**
- DM Dura|Mate™ AHDP ISOBUS 91 Series**
- DM Dura|Mate™ AHDM**
- DM Dura|Mate™ AHDM/AHDBM ISOBUS 91 Series**

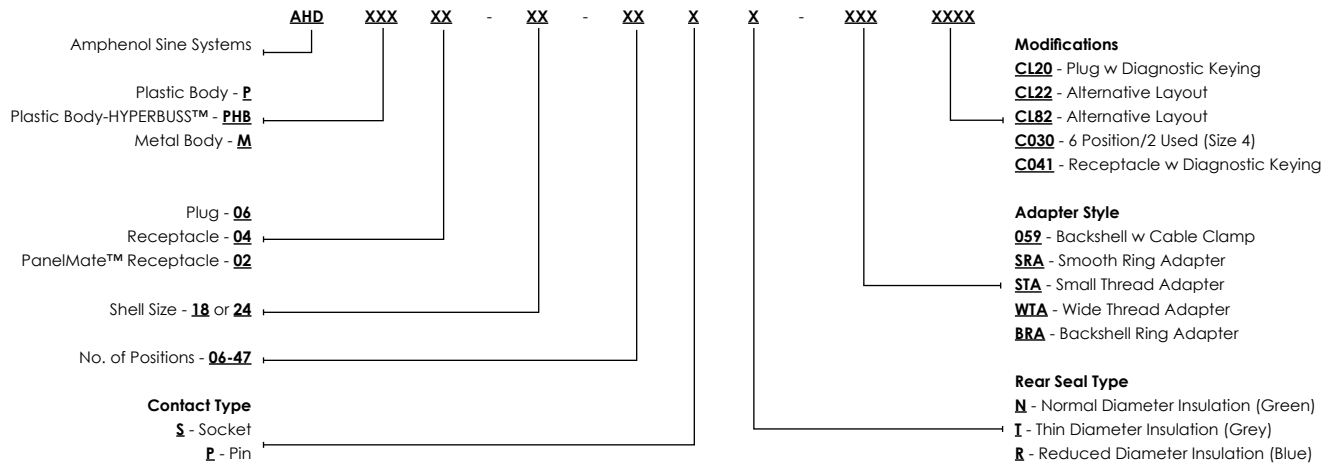
Key Features

- 3 key-way bayonet design ensures proper mating of connectors
- High density signal and mixed power insert configurations
- Operating temperature range: -55°C to +125°C
- High current configurations incorporating revolutionary RADSOK® contacts
- High strength impact resistant & lightweight thermoplastic or zinc-alloy metal housings
- Low insertion force stamped terminals offer improved manufacturing efficiencies
- Environmentally-sealed and engineered rapid and secure mating system achieves up to IP69K rating (in mated condition) from ingress of dust, water, mud and other contaminants and is vibration resistant
- Sealing features consisting of durable high temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels
- Wire entry sealing available in three separate ranges for discrete wire applications
- Backshells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges
- Smooth Ring Adapters (SRA) are designed for use without backshells for a smaller footprint
- Small Thread Adapters (STA) provide an enhanced "step down" threading for use with screw-on or clamshell backshells
- Wide Thread Adapters (WTA) provide an enhanced threading for use with our wide variety of screw-on or clamshell backshells
- Backshell Ring Adapters (BRA) allow for use with other compatible industry-standard snap-on backshells
- Utilizes A Series™ standard contact system (Stamped & Formed or Machined)



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DuraMate™ AHDP/AHDM Series - Part Numbering Sequence



DuraMate™ AHDP and AHDM Series - Variations



AHDP04-18-06PN-BRA

Shell Size 18, 6 Position, Receptacle, Pin, DuraMate™ AHDP, Plastic, Normal Seal, Backshell Ring Adapter (BRA)



AHDP06-18-20SN-SRA

Shell Size 18, 20 Pos, Plug, Socket, DuraMate™ AHDP Series, Plastic, Normal Seal, Smooth Ring Adapter (SRA)



AHDP04-24-27SR-STA

Shell Size 24, 27 Pos, Receptacle, Pin, DuraMate™ AHDP, Plastic, Normal Diameter Seal, Small Thread Adapter (STA)



AHDP02-18-08PR-WTA

Shell Size 18, 8 Pos, Receptacle with Flange, Pin, DuraMate™ AHDP with PanelMate™, Plastic, Reduced Seal, Wide Thread Adapter (WTA)



AHDPH04-24-16P-BLK/RED

Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSSTM, Plastic, Potted, Black or Red Body (Includes bolt, nut and washers)



AHDM04-18-08SN

Shell Size 18, 8 Pos, Receptacle, Socket, DuraMate™ AHDM Series, Metal Body, Normal Seal, Wide Thread Adapter (WTA)



AHDM06-24-16PR

Shell Size 24, 16 Pos, Plug, Pin, DuraMate™ AHDM Series, Metal Body, Reduced Seal, Wide Thread Adapter





DM DuraMate™ AHDP

Environmentally-Sealed, Multi-Pin, Heavy-Duty, Plastic, Circular Connectors



Available in Shell Size 18 with 8 insert arrangements 2, 6, 8, 14(x3), 20 and 21

Available in Shell Size 24 with 16 insert arrangements 7(x2), 9, 14, 16, 18(x2), 19, 21, 23, 27, 29, 31, 33, 35 and 47

Amphenol Sine Systems' DuraMate™ AHDP connectors are an environmentally-sealed, multi-pin, heavy duty, plastic, circular connector with IP68 and IP69K ratings (in mated condition) that contains an economical, quick-connect, bayonet locking system manufactured to withstand the challenges and complexities of harsh environment off-road applications. Available in the following options: DuraMate™ AHDP with PanelMate™ and DuraMate™ AHDP with HYPERBUSS™.



Key Features

- 3 keyway bayonet design ensures proper mating of connectors
- High density signal and mixed power insert configurations
- High current configurations incorporating revolutionary RADSOK® contacts
- Low insertion force stamped terminals offer improved manufacturing efficiencies
- Sealing features consisting of durable high temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels
- Backshells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges.
- Wire entry sealing available in four separate ranges for discrete wire applications
- Environmentally-sealed and engineered rapid and secure mating system achieves up to IP69K rating (in mated condition) from ingress of dust, water, mud and other contaminants and is vibration resistant
- Smooth Ring Adapters (SRA) are designed for use without backshells for a smaller footprint
- Small Thread Adapters (STA) provide an enhanced "step down" threading for use with screw-on or clamshell backshells
- Wide Thread Adapters (WTA) provide an enhanced threading for use with our wide variety of screw-on or clamshell backshells
- Backshell Ring Adapters (BRA) allow for use with other compatible industry-standard snap-on backshells
- Utilizes A Series™ standard contact system (Stamped & Formed or Machined)



DuraMate™ AHDP - Specifications (Reference Individual Datasheets)

Current Rating per Contact	Size 4 - 100A / Size 4+ - 100A Size 8 - 60A / Size 8 RADSOK - 80A Size 12 - 25A Size 16 - 13A Size 20 - 7.5A
Operating Temperature	-55°C to +125°C
Dielectric Withstanding Voltage	Current Leakage -2mA at 1500 VAC
IP Rating (in mated condition)	IP68 and IP69K
Mating Cycle Durability	100 Cycles

Housing Material	Thermoplastic
Insulation Insert	Thermoplastic
Seal	Silicone Rubber
Contact	A Series™ Common System
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)



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DuraMate™ AHDP - Insert Arrangements (1) C030 - 6 Pos/2 Used (Size 4); (2) C041 - Recep w Diagnostic Keying; (3) CL20 - Plug w Diagnostic Keying; (4) CL22 - Alternative Layout; (5) CL82 - Alternative Layout

Shell Size 18							
18-06 (1) 2 x Size 4	18-06 2 x Size 4, 4 x Size 16	18-08 8 x Size 12	18-14 14 x Size 16	18-14 (2) 14 x Size 16	18-14 (3) 14 x Size 16	18-20 2 x Size 16, 18 x Size 20	18-21 21 x Size 20
N	N	N	R	N	R	N	R

Shell Size 24									
24-07 1 x Size 8 (RADSOK®) 6 x Size 12	24-07 (4) 3 x Size 4, 4 x Size 16	24-09 1 x Size 4, 2 x Size 8 6 x Size 12	24-14 1 x Size 4, 1 x Size 12 12 x Size 16	24-16 16 x Size 12	24-18 1 x Size 8, 3 x Size 12 14 x Size 16	24-18 (5) 2 x Size 8, 16 x Size 16	24-19 6 x Size 12, 13 x Size 16	24-21 4 x Size 12, 17 x Size 16	24-23 23 x Size 16
N	N	N	R	N	R	N	R	N	R

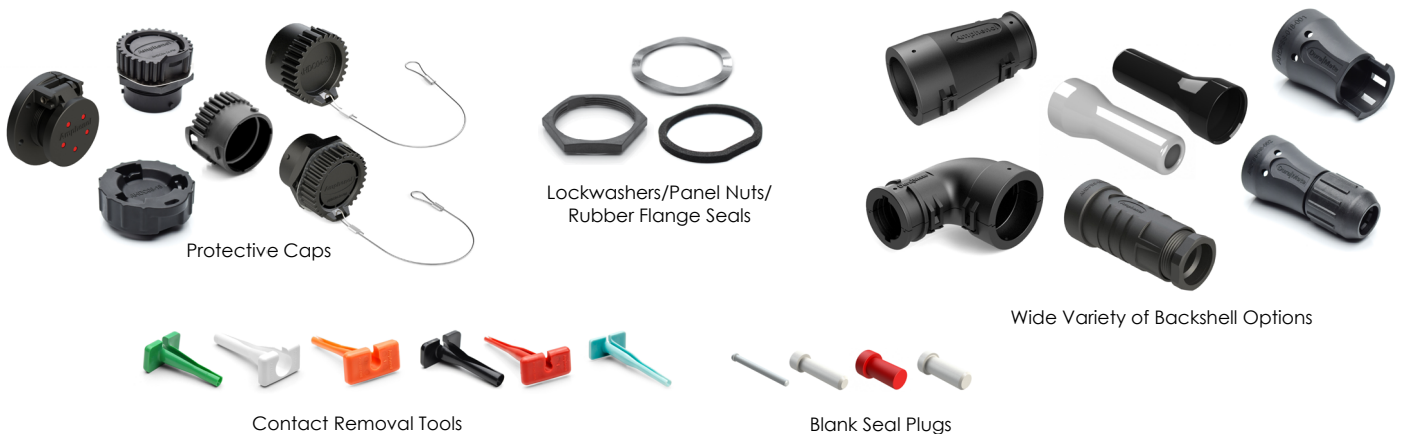
Shell Size 24					
24-27 4 x Size 12, 23 x Size 16	24-29 4 x Size 12, 19 x Size 16 6 x Size 20	24-31 31 x Size 16	24-33 33 x Size 20	24-35 3 x Size 16, 32 x Size 20	24-47 5 x Size 16, 42 x Size 20
R	R	R	T	N	R

Contact Legend (Size/Amp)					
Size 4 or 4+ 100A	Size 8 60A	Size 8 RADSOK® 80A	Size 12 25A	Size 16 13A	Size 20 7.5A

DuraMate™ AHDP - Recommended Wire Insulation Overall Diameter (OD) 4+ contact is only available for 24-07CL22

Contact Size	Typical Wire Range	(N) Normal Seal	(T) Thin Seal	(R) Reduced Seal (See datasheets)	
4+	4AWG (25.0-21.0mm²)	7.9-10.67mm (0.311-0.420")	-	-	-
4	6AWG (16.0-13.0mm²)	6.63-7.41mm (0.261-0.292")	-	6.63-7.41mm (0.261-0.292")	-
8	8-10AWG (10.0-5.0mm²)	4.83-6.10mm (0.190-0.240")	-	3.43-5.59mm (0.135-0.220")	-
12	10-14AWG (6.0-2.0mm²)	3.43-4.32mm (0.1350-.170")	-	2.46-4.01mm (0.135-0.158")	2.46-4.01mm (0.135-0.158")
16	14-20AWG (2.0-0.5mm²)	2.54-3.40mm (0.100-0.134")	2.23-2.69mm (0.088-.106")	1.35-3.05mm(0.053-0.120")	1.35-2.62mm (0.053-0.103")
20	16-22AWG (1.5-0.35mm²)	1.02-2.41mm (0.040-.095")	-	1.02-02.41mm (0.040-0.095")	1.02-2.10mm (0.040-0.083")

DuraMate™ AHDP - Backshell Options and Accessory Overview



DuraMate™ AHDP - Plug & Receptacle Options (Dimensions in mm)

Shell Size 18 Plug	Shell Size 18 Receptacle
Backshell Ring Adapter (BRA) 	Backshell Ring Adapter (BRA)
Smooth Ring Adapter (SRA) 	Smooth Ring Adapter (SRA)
-	-
Wide Thread Adapter (WTA) 	Wide Thread Adapter (WTA)

Shell Size 24 Plug	Shell Size 24 Receptacle
Backshell Ring Adapter (BRA) 	Backshell Ring Adapter (BRA)
Smooth Ring Adapter (SRA) 	Smooth Ring Adapter (SRA)
Small Thread Adapter (STA) 	Small Thread Adapter (STA)
Wide Thread Adapter (WTA) 	Wide Thread Adapter (WTA)

DuraMate™ AHDP with PanelMate™ - Receptacle Options (Dimensions in mm)

	Shell Size 18 Receptacle
-	PanelMate™ with Backshell Ring Adapter (BRA)
-	PanelMate™ with Smooth Ring Adapter (SRA)
-	-
-	PanelMate™ with Wide Thread Adapter (WTA)

	Shell Size 24 Receptacle
-	PanelMate™ with Backshell Ring Adapter (BRA)
-	PanelMate™ with Smooth Ring Adapter (SRA)
-	PanelMate™ with Wide Thread Adapter (STA)
-	PanelMate™ with Wide Thread Adapter (WTA)

DuraMate™ AHDP with HYPERBUS™ - Receptacle Option (Dimensions in mm)

*For more information, refer to [HYPERBUS™ Family Literature](#)

-	-
-	-

	Shell Size 24 Receptacle
-	HYPERBUS™ (Ground/Positive)
-	-

DuraMate™ AHDP - Backshell Options and Accessories



















Image	Part Number	Description
	AHDPBS-015-1805	Shell Size 18, Backshell, Conduit, Snap Over, Right Angle 90°, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA). May also be used on DuraMate™ AHDM with P/N AHDM-BS-18NUT Adapter
	AHDPBS-15L017-1805	Shell Size 18, Backshell, Conduit, Snap-Over, Right Angle 180°, DuraMate™ AHDP Note: For use with Backshell Ring Adapter (BRA)
	AHDPBS-011-2405	Shell Size 24, Backshell, Conduit, Snap Over, Right Angle 90°, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA). May also be used on DuraMate™ AHDM with P/N AHDM-BS-24NUT Adapter
	AHDPBS-11L017-2405	Shell Size 24, Backshell, Conduit, Snap-Over, Right Angle 180°, DuraMate™ AHDP Note: For use with Backshell Ring Adapter (BRA) and Small Thread Adapter (STA)
	AHDPBS-016-1805	Shell Size 18, Backshell, Conduit, Snap Over, Straight 180°, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA). May also be used on DuraMate™ AHDM with P/N AHDM-BS-18NUT Adapter
	AHDPBS-16L017-1805	Shell Size 18, Backshell, Conduit, Snap-Over, Straight, DuraMate™ AHDP Note: For use with Backshell Ring Adapter (BRA)
	AHDPBS-010-2405	Shell Size 24, Backshell, Conduit, Snap Over, Straight 180°, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA). May also be used on DuraMate™ AHDM with P/N AHDM-BS-24NUT Adapter
	AHDPBS-10L017-2405	Shell Size 24, Backshell, Conduit, Snap-Over, Straight, DuraMate™ AHDP Note: For use with Backshell Ring Adapter (BRA) and Small Thread Adapter (STA)
	AHDPBS-18-001	Shell Size 18, Backshell, Tie Wrap, Wide Thread Adapter (WTA), Cable Dia. 14.5mm - 18.0mm, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPBS-0406-001	Shell Size 24, Backshell, Tie Wrap, Wide Thread Adapter (WTA), DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPBS-18-002	Shell Size 18, Backshell, Wide Thread Adapter (WTA), 2PC, Compression Nut, Cable Dia. 14.5mm-18.0mm, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPBS-24L015-005	Shell Size 24, Backshell, Small Thread Adapter (STA), 2 PC, Compression Nut, Cable Dia. 14.5mm - 18.0mm, DuraMate™ AHDP Note: For use with Small Thread Adapter (STA)
	AHDPBS-0406-002	Shell Size 24, Backshell, Wide Thread Adapter (WTA), 2 PC, Compression Nut, Cable Dia. 14.5mm - 18.0mm, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPBS-0406-003	Shell Size 24, Backshell, Wide Thread Adapter (WTA), 2 PC, Compression Nut, Cable Dia. 19.5mm - 24.1mm, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPBS-18-SM01	Shell Size 18, Backshell, Sealed, Cable Grommet, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPBS-0406-SM01	Shell Size 24, Backshell, Sealed, Cable Grommet, DuraMate™ AHDP Note: For use with Wide Thread Adapter (WTA)
	AHDPM18-BT	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM18-BT-BK	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM24-BT	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM24-BT-BK	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM18-BT-RA	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM18-BT-RA-BK	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDPM24-BT-RA	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM24-BT-RA-BK	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDC06-18	Shell Size 18, Receptacle Cap, Sealed, DuraMate™ AHDP
	AHDC06-24	Shell Size 24, Receptacle Cap, Sealed, DuraMate™ AHDP
	AHDC04-18	Shell Size 18, Plug Cap, Sealed, DuraMate™ AHDP
	AHDC04-24	Shell Size 24, Plug Cap, Sealed, DuraMate™ AHDP
	AHDC04-24-PM	Shell Size 24, Plug Cap, Sealed, Threaded, DuraMate™ AHDP
	AHDC04-24-PMT	Shell Size 24, Plug Cap, w Tether, Threaded, Lock Washer, Sealed, DuraMate™ AHDP

Image	Part Number	Description
	AHDC04-18-T	Shell Size 18, Plug Cap, w Tether, Sealed, DuraMate™ AHDP
	AHDC04-24-T	Shell Size 24, Plug Cap, w Tether, Sealed, DuraMate™ AHDP
	AHPDSCC-24	Shell Size 24, Self-Closing Protective Cap, DuraMate™ AHDP / DuraMate™ AHDP ISOBUS 91 Series, Black
	AHPD18-PN01	Shell Size 18, Panel Nut, DuraMate™ AHDP
	AHPD24-PN01	Shell Size 24, Panel Nut, Duramate™ AHDP
	AT14-002-1886	Shell Size 18, Lock Washer, Wave, DuraMate™ AHDP
	AT14-001-2486	Shell Size 24, Lock Washer, Wave, Duramate™ AHDP
	AHPD-16-04978	Shell Size 18, Rubber Flange Seal, Duramate™ AHDP/ Duramate™ AHDM
	AHPD-16-04477	Shell Size 24, Rubber Flange Seal, Duramate™ AHDP/ Duramate™ AHDM
	A114019	Contact Size 4, Blank Seal Plug
	A114018	Contact Size 8, Blank Seal Plug
	A114017	Contact Size 12/16, Blank Seal Plug
	AT13-217-1605	Contact Size 16, Locking Seal Plug
	AT13-204-2005	Contact Size 20, Blank Seal Plug
	AT11-027-0405	Contact Size 4+, Contact Removal Tool, 4AWG
	AT114009	Contact Size 4, Contact Removal Tool, 6AWG
	AT11-001-3.6M	Contact Size 8, Contact Removal Tool, 7-10AWG
	AT114008	Contact Size 8, Contact Removal Tool, 8-10AWG
	AT11-337-1205	Contact Size 12, Contact Removal Tool, 12-14AWG
	AT11-310-1605	Contact Size 16, Contact Removal Tool, 16-20AWG
	AT11-240-2005	Contact Size 20, Contact Removal Tool, 20-22AWG



DM DuraMate™ AHDP with HYPERBUSS™



DuraMate™ AHDP Bussed Receptacles

Available in 16 position

Amphenol Sine Systems' **DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 and IP69K rated (in mated condition), the DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles contain an economical, quick-connect, circular, bayonet locking system to ensure proper mating with standard DuraMate™ AHDP plugs, as well as industry standard connectors,

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Includes Bolt, Nut and Washers
- Available in Power (Red) or Ground (Black)
- Sealed (potted) Intergrated Bussed Feedback Assembly
- IP68 and IP69K rated (in mated condition)
- Quick-connect, circular, bayonet coupling system
- Intermateable with standard DuraMate™ AHDP plugs

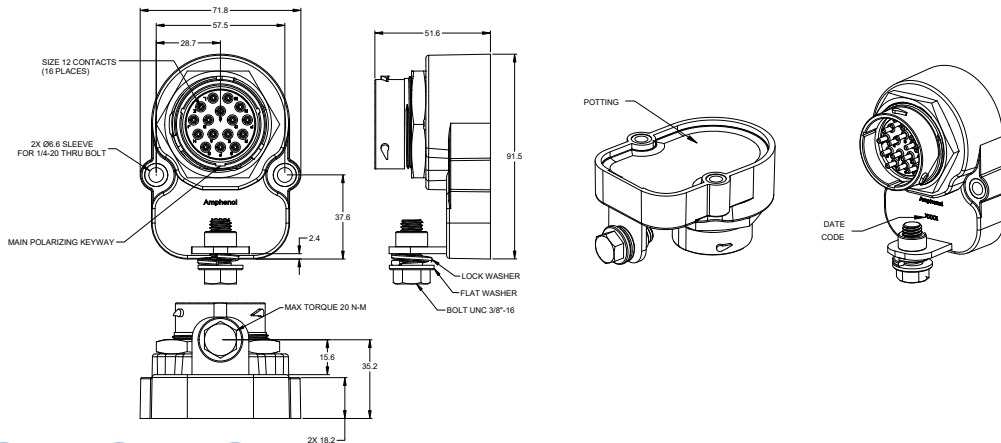


Applications: Heavy Duty, Transportation, Marine, Military, Alternative Energy, Agricultural and other interconnect

DuraMate™ AHDP with HYPERBUSS™ - Specifications (Ref Individual Datasheets)



IP Rating (in mated condition)	IP68 and IP69K	Contact Material	Copper Alloy, Nickel Plated
Contact Size	12	Bracket	Copper Alloy, Nickel Plated
Max. Current (Amperage)	25A Each (400A Max)	Sleeves	Aluminum, Black Anodized
Operating Temperature	-55°C to +125°C	Min. Mating Cycles	>100
Coupling System	Quick-Connect, Circular Bayonet	RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Housing Body	Thermoplastic	Approvals	-
Contact Types	Machined		

DuraMate™ AHDP with HYPERBUSS™ - 16 Position Bussed Receptacle Dimensions (mm)



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DuraMate™ AHDP with HYPERBUSST™ - 16 Position Bussed Receptacles [For intermateable DuraMate™ AHDP Series plugs \(AHDP06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
		AHDPH04-24-16P-BLK-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSST™, Plastic, Potted, Black Body (Includes bolt, nut and washers)	12	25A (400A Max)
		AHDPH04-24-16P-RED-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSST™, Plastic, Potted, Red Body (Includes bolt, nut and washers)	12	25A (400A Max)



DM DuraMate™ AHDP ISOBUS 91 Series

Environmentally-Sealed, Multi-Pin, Heavy-Duty, Plastic Circular ISOBUS Connectors



Available in Shell Size 24, 9 Position

Amphenol Sine Systems' **DuraMate™ AHDP ISOBUS 91 Series** connectors are an environmentally-sealed, multi-pin, heavy duty, plastic, circular connector with IP68 and IP69K ratings (in mated condition) that contains an economical, quick-connect, bayonet locking system manufactured to withstand the challenges and complexities of harsh environment, off-road applications. *The DuraMate™ AHDP ISOBUS 91 Series is specifically designed to meet ISO 11783 standards (for control and communications between tractors, implements and software) and withstand the challenges and complexities of harsh environment, off-road, agricultural applications.*

Key ISOBUS 91 Series Features

- + One-to-one alternative for all HDP20 parts
- + Compatible to other industry standard circular bayonet versions
- + AHDP 91 Series Plugs have a jumper (bridged contacts) between Pin 4 & 5. (-P064 options have no jumper (bridged contacts) between Pin 4 & 5.)
- + AHDP 91 Series Receptacles do not have a jumper (bridged contact)
- + Options for up to 6AWG/16mm² power wires
- + Full range of backshell options

Key DuraMate™ Features

- 3 key-way bayonet design ensures proper mating of connectors
- High density signal and mixed power insert configurations
- Operating temperature range: -55°C to +125°C
- High-strength, impact resistant & lightweight thermoplastic housings
- Low-insertion force stamped terminals offer improved manufacturing efficiencies
- Environmentally-sealed and engineered rapid and secure mating system achieves up to IP69K rating (in mated condition) from ingress of dust, water, mud and other contaminants and is vibration resistant
- Sealing features consisting of durable high-temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels
- Backshells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges
- Wire entry sealing available in four separate ranges for discrete wire applications
- Smooth Ring Adapters (SRA) are designed for use without backshells for a smaller footprint
- Small Thread Adapters (STA) provide an enhanced "step down" threading for use with screw-on or clamshell backshells
- Wide Thread Adapters (WTA) provide an enhanced threading for use with our wide variety of screw-on or clamshell backshells
- Utilizes A Series™ standard contact system (Stamped & Formed or Machined)



DuraMate™ AHDP ISOBUS 91 Series - Specifications (Ref. Individual Datasheets)

Current Rating per Contact	Size 8, 60A Size 12, 25A Size 16, 13A
Operating Temperature	-55°C to +125°C
Dielectric Withstanding Voltage	Current Leakage -2mA at 1500 VAC
IP Rating (in mated condition)	IP68 and IP69K
Mating Cycle Durability	100 Cycles

Housing Material	Thermoplastic
Insulation Insert	Thermoplastic
Seal	Silicone Rubber
Contact	A Series™ Common System
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)



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DuraMate™ AHDP ISOBUS 91 Series - Insert Arrangements

Shell Size 24	Contact Legend (Size/Amp)			
24-91 2 x Size 8, 2 x Size 12, 5 x Size 16				
	Size 8 (6AWG) 60A	Size 8 (8-10AWG) 60A	Size 12 25A	Size 16 13A
N	R			

DuraMate™ AHDP ISOBUS 91 Series - Recommended Wire Insulation Overall Diameter (OD)

Contact Size	Typical Wire Range	(N) Normal Seal	(R) Reduced Seal	(R) Reduced Seal for 6AWG/16mm ² (Size 8 Contacts Only)
8	6-10AWG (5.0-16.0mm ²)	4.83-6.10mm (0.190-0.240")	3.43-5.59mm (0.135-0.220")	6.50-7.42mm (0.256-0.292")
12	10-14AWG (6.0-2.0mm ²)	3.40-4.32mm (0.134-0.170")	2.46-4.01mm (0.135-0.158")	2.46-4.01mm (0.135-0.158")
16	14-20AWG (2.0-0.5mm ²)	2.54-3.40mm (0.100-0.134")	1.35-3.05mm (0.053-0.120")	1.35-3.05mm (0.053-0.120")z


DuraMate™ AHDP ISOBUS 91 Series - Backshell Options and Accessory Overview



DuraMate™ AHDP ISOBUS 91 Series - Plug & Receptacle Options (Dimensions in mm)

Shell Size 24 Plug	Shell Size 24 Receptacle	Shell Size 24 Plug	Shell Size 24 Receptacle
<p>Smooth Ring Adapter (SRA)</p>	<p>Smooth Ring Adapter (SRA)</p>	<p>Small Thread Adapter (STA)</p>	<p>Small Thread Adapter (STA)</p>
<p>Wide Thread Adapter (WTA)</p>	<p>Wide Thread Adapter (WTA)</p>		

DuraMate™ AHDP ISOBUS 91 Series - Plugs

Image	Part Number	Description	Contact Size/Amp	Voltage
	AHDP06-24-91SN-SRA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal (Green), Smooth Ring Adapter (SRA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SN-STA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal (Green), Small Thread Adapter (STA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SN-WTA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal (Green), Wide Thread Adapter (WTA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR-SRA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Smooth Ring Adapter (SRA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR-STA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Small Thread Adapter (STA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR-WTA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Wide Thread Adapter (WTA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR16-SRA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Smooth Ring Adapter (SRA), Size 8 Contact, 6AWG/1.6mm² Wire Seal Note: Use AT62-203-08141-16 contacts for 6AWG/1.6mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR16-STA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal, Small Thread Adapter STA (Blue), Size 8 Contact, 6AWG/1.6mm² Wire Seal	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR16-WTA	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Wide Thread Adapter (WTA), Size 8 Contact, 6AWG/1.6mm² Wire Seal Note: Use AT62-203-08141-16 contacts for 6AWG/1.6mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SN-P064	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal, Smooth Ring Adapter (SRA) (Green) No Jumper (Bridged Contacts) Between Pin 4 & 5	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP06-24-91SR-P064	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal, Smooth Ring Adapter (SRA) (Green) No Jumper (Bridged Contacts) Between Pin 4 & 5	Size 8, 60A Size 12, 25A Size 16, 13A	250V

DuraMate™ AHDP ISOBUS 91 Series - Receptacles






Image	Part Number	Description	Contact Size/Amp	Voltage
	AHDP04-24-91PN-SRA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal (Green), Smooth Ring Adapter (SRA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PN-STA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal, Small Thread Adapter STA (Green)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PN-WTA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Normal Diameter Seal (Green), Wide Thread Adapter (WTA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V

Image	Part Number	Description	Contact Size/Amp	Voltage
	AHDP04-24-91PR-SRA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Smooth Ring Adapter (SRA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PR-STA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal, Small Thread Adapter STA (Blue)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PR-WTA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Wide Thread Adapter (WTA)	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PR16-SRA	Shell Size 24, 9 Pos, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Smooth Ring Adapter (SRA), Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT60-204-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PR16-STA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal, Small Thread Adapter STA (Blue), Size 8 Contact, 6AWG/16mm² Wire Seal	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDP04-24-91PR16-WTA	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDP ISOBUS 91 Series, Plastic, Reduced Diameter Seal (Blue), Wide Thread Adapter (WTA), Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT60-204-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V

DuraMate™ AHDP ISOBUS 91 Series - Backshell Options and Accessories
























Image	Part Number	Description
	AHDPBS-011-2405	Shell Size 24, Backshell, Conduit, Snap Over, Right Angle 90°, DuraMate™ AHDP ISOBUS 91 Series Note: For use with Wide Thread Adapter (WTA). May also be used on DuraMate™ AHDM with P/N AHDM-BS-24NUT Adapter
	AHDPBS-11L017-2405	Shell Size 24, Backshell, Conduit, Snap-Over, Right Angle 180°, DuraMate™ AHDP Note: For use with Backshell Ring Adapter (BRA) and Small Thread Adapter (STA)
	AHDPBS-010-2405	Shell Size 24, Backshell, Conduit, Snap Over, Straight 180°, DuraMate™ AHDP ISOBUS 91 Series Note: For use with Wide Thread Adapter (WTA). May also be used on DuraMate™ AHDM with P/N AHDM-BS-24NUT Adapter
	AHDPBS-10L017-2405	Shell Size 24, Backshell, Conduit, Snap-Over, Straight, DuraMate™ AHDP Note: For use with Backshell Ring Adapter (BRA) and Small Thread Adapter (STA)
	AHDPBS-0406-001	Shell Size 24, Backshell, Tie Wrap, Wide Thread Adapter (WTA), DuraMate™ AHDP ISOBUS 91 Series Note: For use with Wide Thread Adapter (WTA).
	AHDPBS-0406-002	Shell Size 24, Backshell, Wide Thread Adapter (WTA), 2 PC, Compression Nut, Cable Dia. Range 14.5mm - 18.0mm, DuraMate™ AHDP ISOBUS 91 Series
	AHDPBS-0406-003	Shell Size 24, Backshell, Wide Thread Adapter (WTA), 2 PC, Compression Nut, Cable Dia. Range 19.5mm - 24.1mm, DuraMate™ AHDP ISOBUS 91 Series
	AHDPBS-24L015-005	Shell Size 24, Backshell, Small Thread Adapter (STA), 2 PC, Compression Nut, Cable Dia. Range 14.5mm - 18.0mm, DuraMate™ AHDP Note: For use with Small Thread Adapter (STA)
	AHDPBS-0406-SM01	Shell Size 24, Backshell, Sealed, Cable Grommet, DuraMate™ AHDP ISOBUS 91 Series
	AHDPM18-BT	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM18-BT-BK	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM24-BT	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM24-BT-BK	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM18-BT-RA	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM18-BT-RA-BK	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDPM24-BT-RA	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM24-BT-RA-BK	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDC06-24	Shell Size 24, Receptacle Cap, Sealed, DuraMate™ AHDP ISOBUS 91 Series

Image	Part Number	Description
	AHDC04-24-PM	Shell Size 24, Plug Cap, Sealed, Threaded, DuraMate™ AHDP ISOBUS 91 Series
	AHDC04-24-PMT	Shell Size 24, Plug Cap, w Tether, Threaded, Lock Washer, Sealed, DuraMate™ AHDP ISOBUS 91 Series
	AHDPSCC-24	Shell Size 24, Self-Closing Protective Cap, DuraMate™ AHDP / DuraMate™ AHDP ISOBUS 91 Series, Black
	AHP24-PN01	Shell Size 24, Panel Nut, DuraMate™ AHDP ISOBUS 91 Series
	AT14-001-2486	Shell Size 24, Lock Washer, Wave, DuraMate™ AHDP ISOBUS 91 Series
	AHP-16-04477	Shell Size 24, Rubber Flange Seal, Duramate™ AHDP/ Duramate™ AHDM/AHDP ISOBUS 91 Series
	A114018	Contact Size 8, Blank Seal Plug
	A114017	Contact Size 12/16, Blank Seal Plug
	AT13-217-1605	Contact Size 16, Locking Seal Plug
	AT11-310-1605	Contact Size 16, Contact Removal Tool, Light Blue, 16-20AWG
	AT11-337-1205	Contact Size 12, Contact Removal Tool, Orange, 12-14AWG
	AT11-001-3.6M	Contact Size 8, Contact Removal Tool, Black, 7-10AWG
	AT114008	Contact Size 8, Contact Removal Tool, Green, 8-10AWG
	AT60-204-08141-16	Contact Size 8, 6AWG/16mm ² Wire Range, Contact, Pin, Nickel-plated Note: Refer to Plug/Receptacle datasheets for a complete list of available contacts
	AT62-203-08141-16	Contact Size 8, 6AWG/16mm ² Wire Range, Contact, Socket, Nickel-plated Note: Refer to Plug/Receptacle datasheets for a complete list of available contacts



DM Dura|Mate™ AHDM

Environmentally-Sealed, Multi-Pin, Heavy-Duty, Metal, Circular Connectors



Available in Shell Size 18 with 6 insert arrangements 2, 6, 8, 14, 20 and 21

Available in Shell Size 24 with 15 insert arrangements 7(x2), 9, 14, 16, 18, 19, 21, 23, 27, 29, 31, 33, 35 and 47

Amphenol Sine Systems' DuraMate™ AHDM connectors are an environmentally-sealed, multi-pin, heavy duty, metal, circular connector with IP68 and IP69K ratings (in mated condition) that contains an economical, quick-connect, bayonet locking system manufactured to withstand the challenges and complexities of harsh environment off-road applications. Available in the following options: DuraMate™ AHDM/AHDBM ISOBUS 91 Series.

DM Dura|Mate™ AHDM/AHDBM ISOBUS 91 Series

Key Features

- 3 key-way bayonet design ensures proper mating of connectors
- High density signal and mixed power insert configurations
- Operating temperature range: -55°C to +125°C
- High current configurations incorporating revolutionary RADSOK® contacts
- High strength impact resistant & lightweight zinc-alloy metal housings
- Low insertion force stamped terminals offer improved manufacturing efficiencies
- Environmentally-sealed and engineered rapid and secure mating system achieves up to IP69K rating (in mated condition) from ingress of dust, water, mud and other contaminants and is vibration resistant
- Sealing features consisting of durable high temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels
- Backshells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges.
- Utilizes A Series™ standard contact system (Stamped & Formed or Machined)
- Wire entry sealing available in three separate ranges for discrete wire applications
- Integrated Wide Threading provides an enhanced threading for use with our wide variety of screw-on or clamshell backshells
- Utilizes A Series™ standard contact system (Stamped & Formed or Machined)



DuraMate™ AHDM - Specifications (Reference Individual Datasheets)

Current Rating per Contact	Size 4 - 100A / Size 4+ - 100A Size 8 - 60A / Size 8 RADSOK - 80A Size 12 - 25A Size 16 - 13A Size 20 - 7.5A
Operating Temperature	-55°C to +125°C
Dielectric Withstanding Voltage	Current Leakage -2mA at 1500 VAC
IP Rating (in mated condition)	IP68 and IP69K
Mating Cycle Durability	100 Cycles

Housing Material	Zinc-Alloy
Insulation Insert	Thermoplastic
Seal	Silicone Rubber
Contact	A Series™ Common System
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)



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DuraMate™ AHDM - Insert Arrangements (1) C030 - 6 Position/2 Used (Size 4); (4) CL22 - 7 Position Alt Construction)

Shell Size 18					
18-06 (1) 2 x Size 4	18-06 2 x Size 4, 4 x Size 16	18-08 8 x Size 12	18-14 14 x Size 16	18-20 2 x Size 16, 18 x Size 20	18-21 21 x Size 20
N	N	N	R	N	R

Contact Legend (Size/Amp)					
Size 4 or 4+ 100A	Size 8 60A	Size 8 RADSOK® 80A	Size 12 25A	Size 16 13A	Size 20 7.5A

Shell Size 24									
24-07 1 X Size 8 (RADSOK®) 6 X Size 12	24-07 (4) 3 X Size 4, 4 X Size 16	24-09 1 X Size 4, 2 X Size 8 6 X Size 12	24-14 1 X Size 4, 1 X Size 12 12 X Size 16	24-16 16 X Size 12	24-18 1 X Size 8, 3 X Size 12 14 X Size 16	24-19 6 X Size 12, 13 X Size 16	24-21 4 X Size 12, 17 X Size 16	24-23 23 X Size 16	24-27 4 X Size 12, 23 X Size 16
N	N	N	R	N	R	N	R	N	T

Shell Size 24				
24-29 4 X Size 12, 19 X Size 16 6 X Size 20	24-31 31 X Size 16	24-33 33 X Size 20	24-35 3 X Size 16, 32 X Size 20	24-47 5 X Size 16, 42 X Size 20
R	R	T	N	R

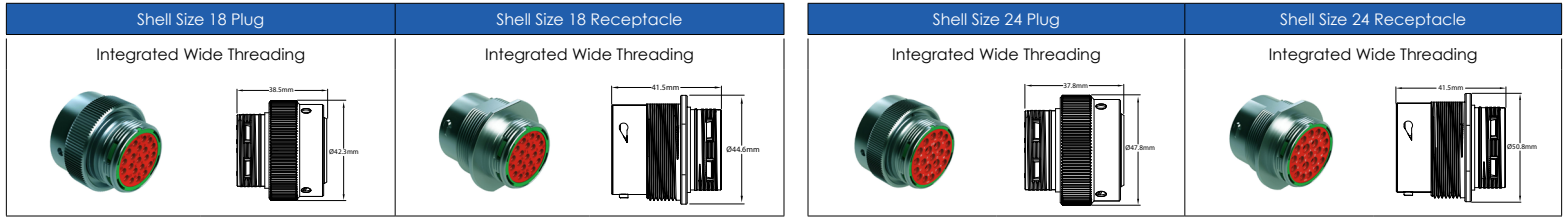
DuraMate™ AHDM - Recommended Wire Insulation Overall Diameter (OD) 4+ contact is only available for 24-07CL22

Contact Size	Typical Wire Range	(N) Normal Seal	(T) Thin Seal	(R) Reduced Seal (See datasheets)	
4+	4AWG (25.0-21.0mm ²)	7.9-10.67mm (0.311-0.420")	-	-	-
4	6AWG (16.0-13.0mm ²)	6.63-7.41mm (0.261-0.292")	-	6.63-7.41mm (0.261-0.292")	-
8	8-10AWG (10.0-5.0mm ²)	4.83-6.10mm (0.190-0.240")	-	3.43-5.59mm (0.135-0.220")	-
12	10-14AWG (6.0-2.0mm ²)	3.43-4.32mm (0.1350-.170")	-	2.46-4.01mm (0.135-0.158")	2.46-4.01mm (0.135-0.158")
16	14-20AWG (2.0-0.5mm ²)	2.54-3.40mm (0.100-0.134")	2.23-2.69mm (0.088-.106")	1.35-3.05mm(0.053-0.120")	1.35-2.62mm (0.053-0.103")
20	16-22AWG (1.5-0.35mm ²)	1.02-2.41mm (0.040-.095")	-	1.02-02.41mm (0.040-0.095")	1.02-2.10mm (0.040-0.083")

DuraMate™ AHDM - Backshell Options and Accessory Overview



DuraMate™ AHDM - Plug & Receptacle Options (Dimensions in mm)



DuraMate™ AHDM - Backshell Options and Accessories
















Image	Part Number	Description
	AHDMBS-24-002	Shell Size 24, Backshell, 2 PC, DuraMate™ AHDM
	AHDMBS-18-002	Shell Size 18, Backshell, 2 PC, DuraMate™ AHDM
	AHDMBS-24-001	Shell Size 24, Backshell, Tie Wrap, End Bell, DuraMate™ AHDM
	AHDMBS-18-001	Shell Size 18, Backshell, Tie Wrap, End Bell, DuraMate™ AHDM
	AHDMBS-24-059	Shell Size 24, Backshell, w Cable Clamp, DuraMate™ AHDM
	AHDMBS-18-059	Shell Size 18, Backshell, w Cable Clamp, DuraMate™ AHDM
	AHDMBS-24-SM01	Shell Size 24, Backshell, Metal, DuraMate™ AHDM
	AHDMBS-18-SM01	Size 18, Backshell, Metal, DuraMate™ AHDM
	AHDPM18-BT	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM18-BT-BK	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM24-BT	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM24-BT-BK	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM18-BT-RA	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM18-BT-RA-BK	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDPM24-BT-RA	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM24-BT-RA-BK	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDM-BS-24NUT	Shell Size 24, Adapter for use with: AHDPBS-010-2405 AHDP Backshell, Conduit, Snap-Over, Straight 180 AHDPBS-011-2405 AHDP Backshell, Conduit, Snap-Over, Right Angle 90
	AHDM-BS-18NUT	Shell Size 18, Adapter for use with: AHDPBS-015-1805 AHDP Backshell, Conduit, Snap-Over, Straight 180 AHDPBS-016-1805 AHDP Backshell, Conduit, Snap-Over, Right Angle 90
	AHDC34-24	Shell Size 24, Protective Cap for Plug, DuraMate™ AHDM
	AHDC34-18	Shell Size 18, Protective Cap for Plug, DuraMate™ AHDM
	AHDC36-24	Shell Size 24, Protective Cap for Receptacle, DuraMate™ AHDM
	AHDC36-18	Shell Size 18, Protective Cap for Receptacle, DuraMate™ AHDM

Image	Part Number	Description
	A112264	Shell Size 24, Lockwasher, DuraMate™ AHDM
	A114021	Shell Size 18, Lockwasher, DuraMate™ AHDM
	A112263-90	Shell Size 24, Nut, DuraMate™ AHDM
	A114020-90	Shell Size 18, Nut, DuraMate™ AHDM
	AHDP-16-04477	Shell Size 24, Rubber Flange Seal, Duramate™ AHDP/ Duramate™ AHDM
	AHDP-16-04978	Shell Size 18, Rubber Flange Seal, Duramate™ AHDP/ Duramate™ AHDM
	A114019	Contact Size 4, Blank Seal Plug
	A114018	Contact Size 8, Blank Seal Plug
	A114017	Contact Size 12/16, Blank Seal Plug
	AT13-217-1605	Contact Size 16, Locking Seal Plug
	AT13-204-2005	Contact Size 20, Blank Seal Plug
	AT11-027-0405	Contact Size 4+, Contact Removal Tool, 4AWG
	AT114009	Contact Size 4, Contact Removal Tool, 6AWG
	AT11-001-3.6M	Contact Size 8, Contact Removal Tool, 7-10AWG
	AT114008	Contact Size 8, Contact Removal Tool, 8-10AWG
	AT11-337-1205	Contact Size 12, Contact Removal Tool, 12-14AWG
	AT11-310-1605	Contact Size 16, Contact Removal Tool, 16-20AWG
	AT11-240-2005	Contact Size 20, Contact Removal Tool, 20-22AWG



DM DuraMate™ AHDM/AHDBM ISOBUS 91 Series

Environmentally-Sealed, Multi-Pin, Heavy-Duty, Metal Circular ISOBUS Connectors

Available in Shell Size 24, 9 Position

Amphenol Sine Systems' **DuraMate™ AHDM/AHDBM ISOBUS 91 Series** connectors are an environmentally-sealed, multi-pin, heavy duty, metal, circular connector with IP68 and IP69K ratings (in mated condition) that contains an economical, quick-connect, bayonet locking system manufactured to withstand the challenges and complexities of harsh environment, off-road applications. *The DuraMate™ AHDM/AHDBM ISOBUS 91 Series is specifically designed to meet ISO 11783 standards (for control and communications between tractors, implements and software) and withstand the challenges and complexities of harsh environment, off-road, agricultural applications.*

AHDBM Circular Bayonet Breakaway-Ready Receptacle



AHDM Circular Bayonet Standard Plug

AHDBM Circular Bayonet Breakaway Plug

Important

- AHDBM 91 Series Plugs are intermateable to other industry standard 91 versions and allow full breakaway functionality if used with suitable breakaway-ready Receptacles (like AHDBM 91 Receptacles)
- AHDM 91 Series Plugs are intermateable to other industry standard versions but do not retain breakaway functionality
- AHDBM 91 Series Receptacles (Circular Bayonet) are intermateable to other industry standard plugs and allow breakaway functionality when used with a breakaway Plugs (like AHDBM 91 Plugs)
- Available upon request and not shown on this flyer: AHDM 91 Series Receptacles (Drop Shaped Bayonet) are not intermateable to all industry standard versions and do not retain breakaway functionality

Key ISOBUS 91 Series Features

- + One-to-one alternative for all HD30/HDB36 parts
- + Compatible to other industry standard (Circular Bayonet) versions while retaining full breakaway functionality
- + AHDM 91 Series Plugs have a jumper (bridged contacts) between Pin 4 & 5
- + AHDM/AHDBM 91 Series Receptacles don't have a jumper (bridged contact)
- + Options for up to 16mm² power wires
- + Full range of backshell options

DuraMate™ Features

- 3 key-way bayonet design ensures proper mating of connectors
- High density signal and mixed power insert configurations
- Operating temperature range: -55°C to +125°C
- High-strength, impact resistant & lightweight zinc-alloy metal housings
- Low-insertion force stamped terminals offer improved manufacturing efficiencies
- Environmentally-sealed and engineered rapid and secure mating system achieves up to IP69K rating (in mated condition) from ingress of dust, water, mud and other contaminants and is vibration resistant
- Sealing features consisting of durable high-temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels
- Backshells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges
- Wire entry sealing available in four separate ranges for discrete wire applications
- Integrated Wide Threading provides an enhanced threading for use with our wide variety of screw-on or clamshell backshells
- Utilizes A Series™ standard contact system (Stamped & Formed or Machined)



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DuraMate™ AHDM/AHDBM ISOBUS 91 Series - Specs (Ref. Individual Datasheets)

Current Rating per Contact	Size 8, 60A; Size 12, 25A; Size 16, 13A
Operating Temperature	-55°C to +125°C
Dielectric Withstanding Voltage	Current Leakage-2mA at 1500 VAC
IP Rating (in mated condition)	IP68 and IP69K
Mating Cycle Durability	100 Cycles
Housing Material	Zinc-alloy/Aluminum-alloy

Insulation Insert	Thermoplastic
Seal	Silicone Rubber
Contact	A Series™ Common System
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)

DuraMate™ AHDM/AHDBM ISOBUS 91 Series - Insert Arrangements

Size 24	Contact Legend (Size/Amp)			
24-91 2 x Size 8, 2 x Size 12, 5 x Size 16				
	Size 8 (6AWG) 60A	Size 8 (8-10AWG) 60A	Size 12 25A	Size 16 13A
N R				

DuraMate™ AHDM/AHDBM ISOBUS 91 Series - Recommended Wire Insulation Overall Diameter (OD)

Contact Size	Typical Wire Range	(N) Normal Seal	(R) Reduced Seal	(R) Reduced Seal for 6AWG/16mm ² (Size 8 Contacts Only)
8	6-10AWG (5.0-16.0mm ²)	4.83-6.10mm (0.190-0.240")	3.43-5.59mm (0.135-0.220")	6.50-7.42mm (0.256-0.292")
12	10-14AWG (6.0-2.0mm ²)	3.40-4.32mm (0.134-0.170")	2.46-4.01mm (0.135-0.158")	2.46-4.01mm (0.135-0.158")
16	14-20AWG (2.0-0.5mm ²)	2.54-3.40mm (0.100-0.134")	1.35-3.05mm (0.053-0.120")	1.35-3.05mm (0.053-0.120")

DuraMate™ AHDM/AHDBM ISOBUS 91 Series - Backshell Options and Accessory Overview



DuraMate™ AHDM/AHDBM ISOBUS 91 Series - Plug & Receptacle Options (Dimensions in mm)

Shell Size 24 AHDM Plug	Shell Size 24 AHDBM Breakaway Plug	Shell Size 24 AHDBM Breakaway Receptacle
Integrated Wide Threading	Integrated Wide Threading	Integrated Wide Threading





DuraMate™ AHDM ISOBUS 91 Series - Plugs

Image	Part Number	Description	Contact Size/Amp	Voltage
	AHDM06-24-91SN	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDM ISOBUS 91 Series, Metal, Normal Diameter Seal (Green), Integrated Wide Threading	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDM06-24-91SN-059	Shell Size 24, 9 Position, Kit, Plug, Socket, DuraMate™ AHDM ISOBUS 91 Series, Metal, Normal Diameter Seal (Green), Integrated Wide Threading, Cable Clamp Backshell	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDM06-24-91SR	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDM06-24-91SR-059	Shell Size 24, 9 Position, Kit, Plug, Socket, DuraMate™ AHDM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Cable Clamp Backshell	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDM06-24-91SR16	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT62-203-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDM06-24-91SR16-059	Shell Size 24, 9 Position, Kit, Plug, Socket, DuraMate™ AHDM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Cable Clamp Backshell, Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT62-203-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V

DuraMate™ AHDBM ISOBUS 91 Series - Breakaway Plugs

Image	Part Number	Description	Contact Size/Amp	Voltage
	AHDBM06-24-91SN	Shell Size 24, 9 Position, Plug, Socket, Shell DuraMate™ AHDBM ISOBUS 91 Series, Metal, Normal Diameter Seal (Green), Integrated Wide Threading, Breakaway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM06-24-91SN-059	Shell Size 24, 9 Position, Kit, Plug, Socket, Shell DuraMate™ AHDBM ISOBUS 91 Series, Metal, Normal Diameter Seal (Green), Integrated Wide Threading, Cable Clamp Backshell, Breakaway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM06-24-91SR	Shell Size 24, 9 Position, Plug, Socket, Shell DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Breakaway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM06-24-91SR-059	Shell Size 24, 9 Position, Kit, Plug, Socket, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Cable Clamp Backshell, Breakaway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM06-24-91SR16	Shell Size 24, 9 Position, Kit, Plug, Socket, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Cable Clamp Backshell, Breakaway, Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT62-203-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM06-24-91SR16-059	Shell Size 24, 9 Position, Plug, Socket, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Breakaway, Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT62-203-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V

DuraMate™ AHDBM ISOBUS 91 Series - Breakaway-Ready Receptacles

Image	Part Number	Description	Contact Size/Amp	Voltage
	AHDBM04-24-91PN	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Normal Diameter Seal (Green), Integrated Wide Threading, Breakway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM04-24-91PN-059	Shell Size 24, 9 Position, Kit, Receptacle, Pin, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Normal Diameter Seal (Green), Integrated Wide Threading, Cable Clamp Backshell, Breakway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM04-24-91PR	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Breakway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM04-24-91PR-059	Shell Size 24, 9 Position, Kit, Receptacle, Pin, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Cable Clamp Backshell, Breakway-Ready	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM04-24-91PR16	Shell Size 24, 9 Position, Receptacle, Pin, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Breakway-Ready, Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT60-204-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V
	AHDBM04-24-91PR16-059	Shell Size 24, 9 Position, Kit, Receptacle, Pin, DuraMate™ AHDBM ISOBUS 91 Series, Metal, Reduced Diameter Seal (Blue), Integrated Wide Threading, Cable Clamp Backshell, Breakway-Ready, Size 8 Contact, 6AWG/16mm² Wire Seal Note: Use AT60-204-08141-16 contacts for 6AWG/16mm² applications	Size 8, 60A Size 12, 25A Size 16, 13A	250V

DuraMate™ AHDM/AHDBM ISOBUS 91 Series - Backshell Options and Accessories








Image	Part Number	Description
	AHDMBS-24-002	Shell Size 24, Backshell, 2 PC, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	AHDMBS-24-001	Shell Size 24, Backshell, Tie Wrap, End Bell, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	AHDMBS-24-059	Shell Size 24, Backshell, w Cable Clamp, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	AHDMBS-24-SM01	Shell Size 24, Backshell, Metal, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	AHDPM18-BT	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM18-BT-BK	Shell Size 18, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM24-BT	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Grey Color
	AHDPM24-BT-BK	Shell Size 24, Boot, for DuraMate AHDP (SRA only) & AHDM, PVC, Black Color
	AHDPM18-BT-RA	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM18-BT-RA-BK	Shell Size 18, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDPM24-BT-RA	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Grey Color
	AHDPM24-BT-RA-BK	Shell Size 24, Right Angle Boot, DuraMate™ AHDP & AHDM, PVC, Black Color
	AHDM-BS-24NUT	Shell Size 24, Adapter for use with: AHPBS-010-2405 AHDP Backshell, Conduit, Snap-Over, Straight 180 AHPBS-011-2405 AHDP Backshell, Conduit, Snap-Over, Right Angle 90

Image	Part Number	Description
	AHDC34-24	Shell Size 24, Protective Cap for Plug, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	AHDC36-24	Shell Size 24, Protective Cap for Receptacle, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	A112264	Shell Size 24, Lockwasher, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	A112263-90	Shell Size 24, Nut, DuraMate™ AHDM/AHDBM ISOBUS 91 Series
	AHDP-16-04477	Shell Size 24, Rubber Flange Seal, Duramate™ AHDP/ Duramate™ AHDM
	A114017	Contact Size 12/16, Blank Seal Plug
	AT13-217-1605	Contact Size 16, Locking Seal Plug
	AT11-310-1605	Contact Size 16, Contact Removal Tool, Light Blue, 16-20AWG
	AT11-337-1205	Contact Size 12, Contact Removal Tool, Orange, 12-14AWG
	AT11-001-3.6M	Contact Size 8, Contact Removal Tool, Black, 7-10AWG
	AT114008	Contact Size 8, Contact Removal Tool, Green, 8-10AWG
	AT60-204-08141-16	Contact Size 8, 6AWG/16mm ² Wire Range, Contact, Pin, Nickel-plated Note: Refer to Plug/Receptacle datasheets for a complete list of available contacts
	AT62-203-08141-16	Contact Size 8, 6AWG/16mm ² Wire Range, Contact, Socket, Nickel-plated Note: Refer to Plug/Receptacle datasheets for a complete list of available contacts



HN HydroNet™

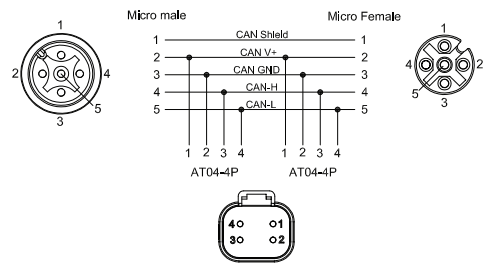
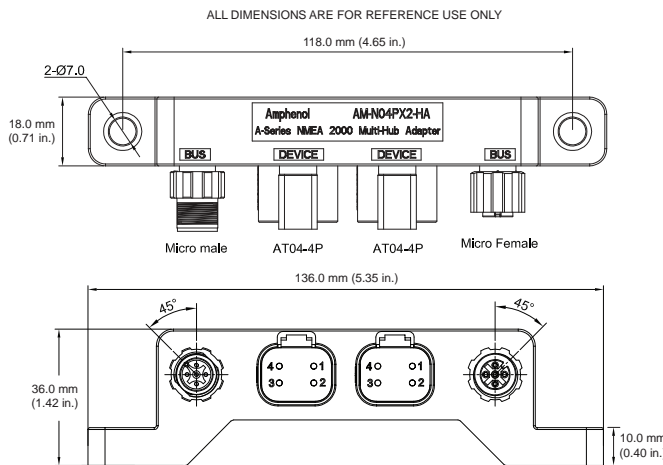
AT Series™ Multi-Hub Adapter

- Provides OEM's flexibility and increased reliability when connecting multiple devices to NMEA 2000 network
- Two 4 pin AT/DT interfaces easily adapts devices to field proven, sealed, and serviceable electrical connections
- Powers the NMEA network in a rugged, compact, and environmentally sealed package
- Factory assembled for true Plug and Play capability
- Reduces the need to modify or assemble NMEA connections onto cables
- Allows for customized and built-to-length electrical harnesses eliminating costly coils of unused cable



Feature & Benefits

- Factory assembled part for simplified mounting
- Environmentally-sealed to IP67 rating
- Rugged thermoplastic overmold (UL94-V0) ①
- Micro NMEA - Male ② and Female ③
- 2 - Four (4) position receptacles (AT/DT) with gold pins ④
- Stainless steel inserts for mounting ⑤



A Series™ Family



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Technical Specifications

Current Rating	4A
Voltage Rating	60V AC/DC
Operating Temperature	-20°C to +130°C
Dielectric Withstanding Voltage	Less than 2 milliamps current leakage @ 1000V AC
Degree of Protection	IP67 (Mated condition)
Degree of Pollution	3 per UL840
Overvoltage Category	III per UL840
Mating Cycle Durability	>100 cycles

RoHS	Compliant
Coupling Nut	PA66 UL94V-0
Insulation Insert	PA66, UL94 V0
Seal	Silicon Rubber
Overmold Material	Thermoplastic
Color	Black
Contact	Gold Flash-plating over Copper Alloy



Part Number	Description
AM-N04PX2-HA	Multi-Hub, Hydro Net Adapter, AT/ NMEA 2000
AM-N05-TEE	Multi-Hub, Tee, NMEA 2000
AM-N05P-TERM	Multi-Hub, Terminator Plug, NMEA 2000, Male Pin w/ LED
AM-N05S-TERM	Multi-Hub, Terminator Plug, NMEA 2000, Female Socket w/ LED
AM-N05PS-M0.3	Double-ended, NMEA 2000, M/F Plug, 0.3 Meter
AM-N05PS-M1	Double-ended, NMEA 2000, M/F Plug, 1 Meter
AM-N05PS-M3	Double-ended, NMEA 2000, M/F Plug, 3 Meter
AM-N05PS-M5	Double-ended, NMEA 2000, M/F Plug, 5 Meter
AM-N05PS-M9	Double-ended, NMEA 2000, M/F Plug, 9 Meter
AM-N05PS-M20	Double-ended, NMEA 2000, M/F Plug, 20 Meter
AM-N05P-M0.3	Single-ended, NMEA 2000, Plug, Male Pin, 0.3 Meter
AM-N05P-M1	Single-ended, NMEA 2000, Plug, Male Pin, 1 Meter
AM-N05P-M3	Single-ended, NMEA 2000, Plug, Male Pin, 3 Meter
AM-N05P-M5	Single-ended, NMEA 2000, Plug, Male Pin, 5 Meter
AM-N05P-M9	Single-ended, NMEA 2000, Plug, Male Pin, 9 Meter
AM-N05P-M20	Single-ended, NMEA 2000, Plug, Male Pin, 20 Meter
AM-N05S-M0.3	Single-ended, NMEA 2000, Plug, Female Socket, 0.3 Meter
AM-N05S-M1	Single-ended, NMEA 2000, Plug, Female Socket, 1 Meter
AM-N05S-M3	Single-ended, NMEA 2000, Plug, Female Socket, 3 Meter
AM-N05S-M5	Single-ended, NMEA 2000, Plug, Female Socket, 5 Meter
AM-N05S-M9	Single-ended, NMEA 2000, Plug, Female Socket, 9 Meter
AM-N05S-M20	Single-ended, NMEA 2000, Plug, Female Socket, 20 Meter
AT04-4P-KIT01	AT, 4P, Kit Wedge & Contacts
AT4PS-CKIT	AT, Complete Pin & Socket Wedge Kit

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



HB HYPERBUSS™ Family



More Power. More Data. More Control.

Amphenol Sine Systems' **HYPERBUSS™ Family of Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular or rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. With an IP68 or IP69K rating (in mated condition), depending on Series, the HYPERBUSS™ Family of Bussed Receptacles contain either an integrated latch or an a quick-connect, circular, bayonet locking system to ensure proper mating to its respective Series plugs.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Available in the following receptacle options: HYPERBUSS™ AT, HYPERBUSS™ ATP, HYPERBUSS™ ATV, and DuraMate™ AHDP with HYPERBUSS™, each intermateable with their respective plug (AT Series™, ATP Series™, ATV Series™ and DuraMate™ AHDP Series plugs) and industry standard connectors.



HYPERBUSS™ AT: 2, 4, 6, 8, and 12 Position Receptacles

HYPERBUSS™ ATP: 6 Position Receptacles

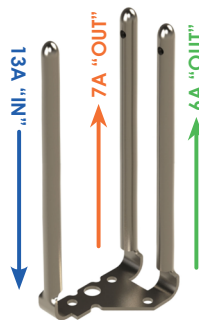
HYPERBUSS™ ATV: 18 Position Receptacles

DuraMate™ AHDP with HYPERBUSS™: Size 24, 16 Position Receptacles

Key Features

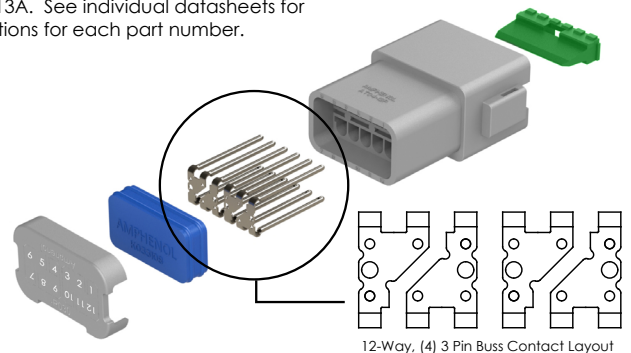
- Sealed Intergrated Bussed Feedback Assembly
- Rectangular or circular thermoplastic housings
- Integrated latch or quick-connect, circular, bayonet locking systems
- Bussed receptacles are intermateable with respective Series plugs (AT, ATM, ATV and DuraMate AHDP)
- IP68 or IP69K Rated (in mated condition), depending on Series

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural



EXAMPLE

Maximum rated current is determined by the combined current across the entire buss. In the 13A example below, various combinations of current can be achieved, but must be limited to a maximum of 13A. See individual datasheets for exact specifications for each part number.



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HB HYPERBUSS™ AT



HYPERBUSS™ AT Bussed Receptacles

Available in 2, 4, 6, 8 and 12 position

Amphenol Sine Systems' **HYPERBUSS™ AT Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 rated (in mated condition), the HYPERBUSS™ AT Bussed Receptacles contain an integrated latch to ensure proper mating with standard AT Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Size 16 contacts
- Sealed Intergrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard AT Series™ Plugs



Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural applications

HYPERBUSS™ AT - Specifications (Ref Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	16
Max. Current (Amperage)	13A Each
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	UL ECBT2, UL ECBT8



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HYPERBUSSTM AT Series - 2-12 Position Bussed Receptacles [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

Image	Pin Layout	Part Number	Description	Contact Size	Amperage
	 -P060	AT04-2P-P060	2 Pos, Receptacle, Size 16 Contacts, (1) 2 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (13A Total)
	 -EP13 / -P021	AT04-4P-EP13	4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (26A Total)
		AT04-4P-P021	4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUSSTM AT, Grey Body	16	13A (26A Total)
	 -EP13 / -P021 -EP14	AT04-6P-EP13	6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (39A Total)
		AT04-6P-P021	6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUSSTM AT, Grey Body	16	13A (39A Total)
		AT04-6P-EP14	6 Pos, Receptacle, Size 16 Contacts, (2) 3 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (13A Total)
	 -P021 -P026 -P028	AT04-08PA-P021	8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUSSTM AT, Grey Body	16	13A (52A Total)
		AT04-08PB-P021	8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (52A Total)
		AT04-08PA-P026	8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (26A Total)
		AT04-08PB-P026	8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (26A Total)
		AT04-08PA-P028	8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (39A Total)
		AT04-08PB-P028	8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (39A Total)
	 -P016 / -P021	AT04-12PA-P016	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (78A Total)
		AT04-12PB-P016	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (78A Total)
		AT04-12PA-P021	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (78A Total)
		AT04-12PB-P021	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (78A Total)
	 -P026 / -P027	AT04-12PA-P026	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (39A Total)
		AT04-12PB-P026	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (39A Total)
		AT04-12PB-P027	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Gold, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (39A Total)
	 -P030 / -P031	AT04-12PA-P030	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (13A Total)
		AT04-12PB-P030	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (13A Total)
		AT04-12PA-P031	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (13A Total)
		AT04-12PB-P031	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (13A Total)
	 -P075	AT04-12PA-P075	12 Pos, Receptacle, Size 16 Contacts, (3) 4 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (26A Total)



HB HYPERBUSS™ ATP



HYPERBUSS™ ATP Bussed Receptacles

Available in 6 position

Amphenol Sine Systems' **HYPERBUSS™ ATP Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. With an IP68 rating (in mated condition), the HYPERBUSS™ ATP Bussed Receptacles contain an integrated latch to ensure proper mating with standard ATP Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Size 12 contacts
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Integrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard ATP Series™ Plugs



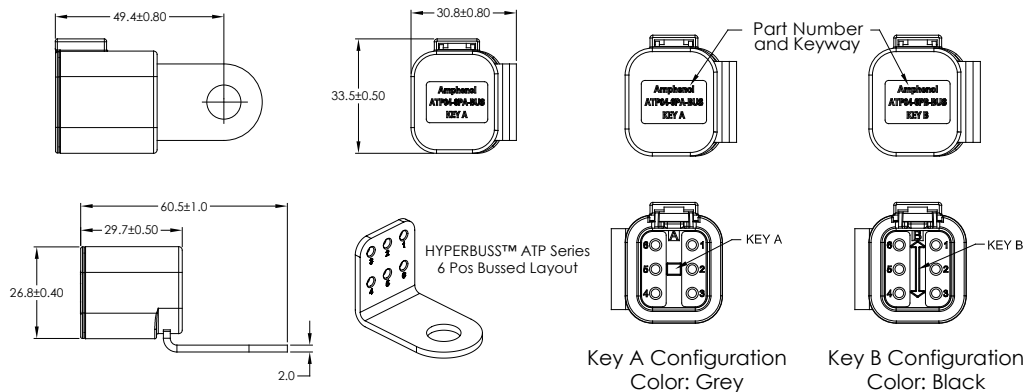
Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural applications

HYPERBUSS™ ATP - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	12
Max. Current (Amperage)	25A Each (150A Max)
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined


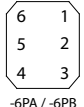
Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Pending Approvals	UL ECBT2, UL ECBT8

HYPERBUSS™ ATP - 6 Position Bussed Receptacle Dimensions (mm)

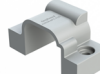


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HYPERBUSSTM ATP Series - 6 Position Bussed Receptacles [For intermateable ATP Series plugs \(ATP06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
		ATP04-6PA-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSSTM ATP, Keyed A, Grey Body	12	25A (150A Total)
		ATP04-6PB-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSSTM ATP, Keyed B, Black Body	12	25A (150A Total)

HYPERBUSSTM ATP SeriesTM - 6 Position Accessory

Image	Part Number	Description	Contact Size	Amperage
	ATP04-6PX-TYD	6 Position, Receptacle Tie Down, HYPERBUSSTM ATP, Gray Body For use with HYPERBUSSTM ATP Receptacle: ATP04-6PA/B-BUS	-	-



HB HYPERBUSS™ ATV



HYPERBUSS™ ATV Bussed Receptacles

Available in 18 position

Amphenol Sine Systems' **HYPERBUSS™ ATV Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 rated (in mated condition), the HYPERBUSS™ ATV Bussed Receptacles contain an integrated latch to ensure proper mating with standard ATV Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Size 16 contacts
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Intergrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard ATV Series™ Plugs



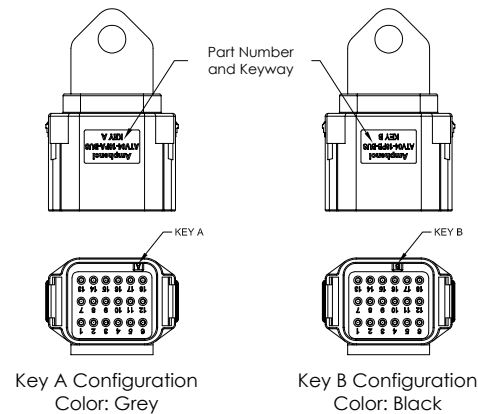
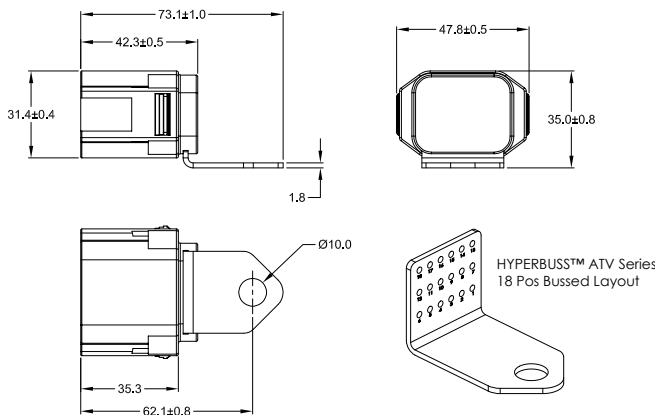
Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural applications

HYPERBUSS™ ATV Series - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	16
Max. Current (Amperage)	13A Each (234A Max)
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined



Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	UL ECBT2, UL ECBT8

HYPERBUSS™ ATV Series - 18 Position Bussed Receptacle Dimensions (mm)

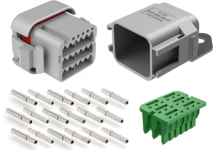



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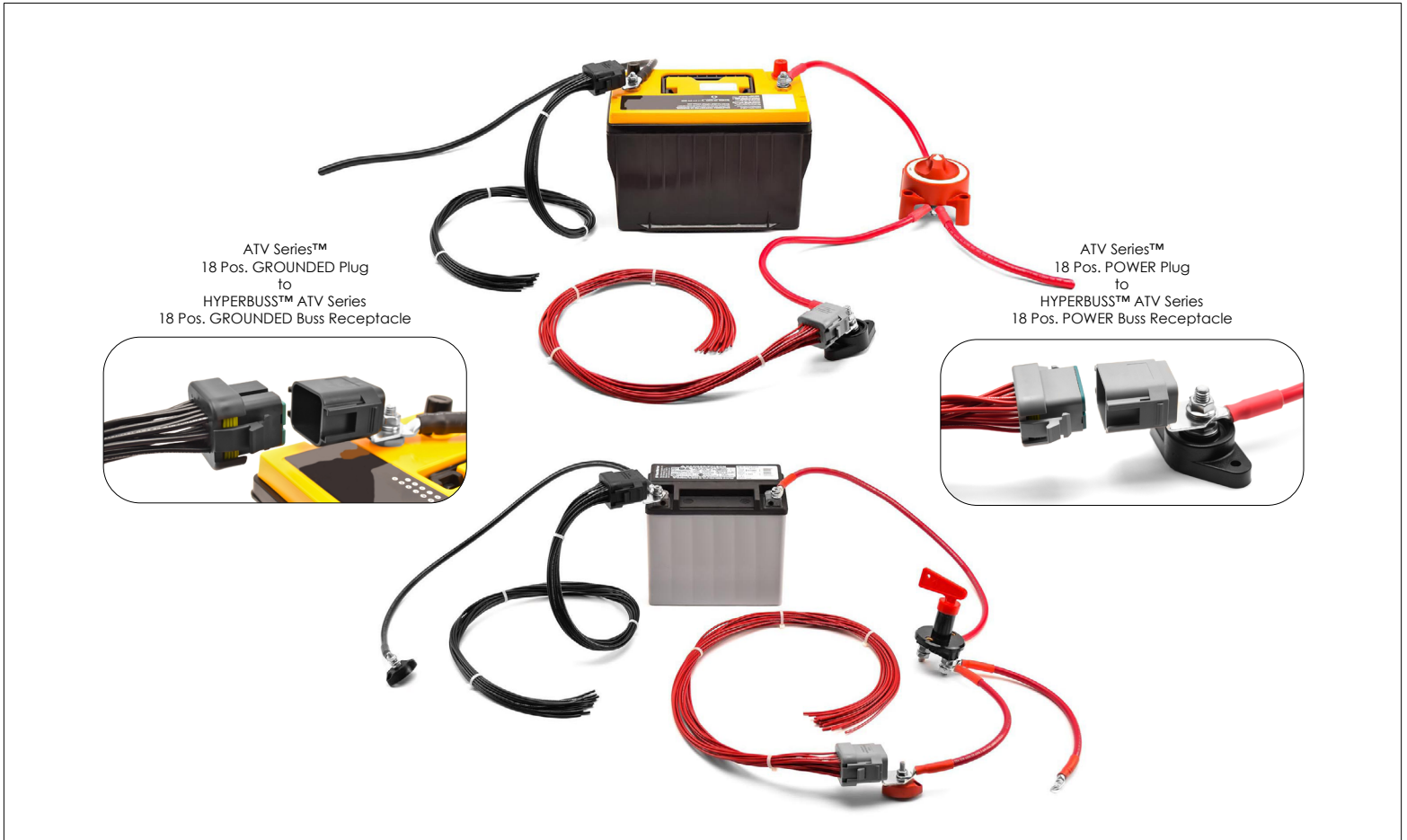
HYPERBUS™ ATV Series - 18 Position Bussed Receptacles [For intermateable ATV Series plugs \(ATV06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
		ATV04-18PA-BUS	18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUS™ ATV, Key A, Grey Body	16	13A (230A Total)
		ATV04-18PB-BUS	18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUS™ ATV, Key B, Black Body	16	13A (230A Total)

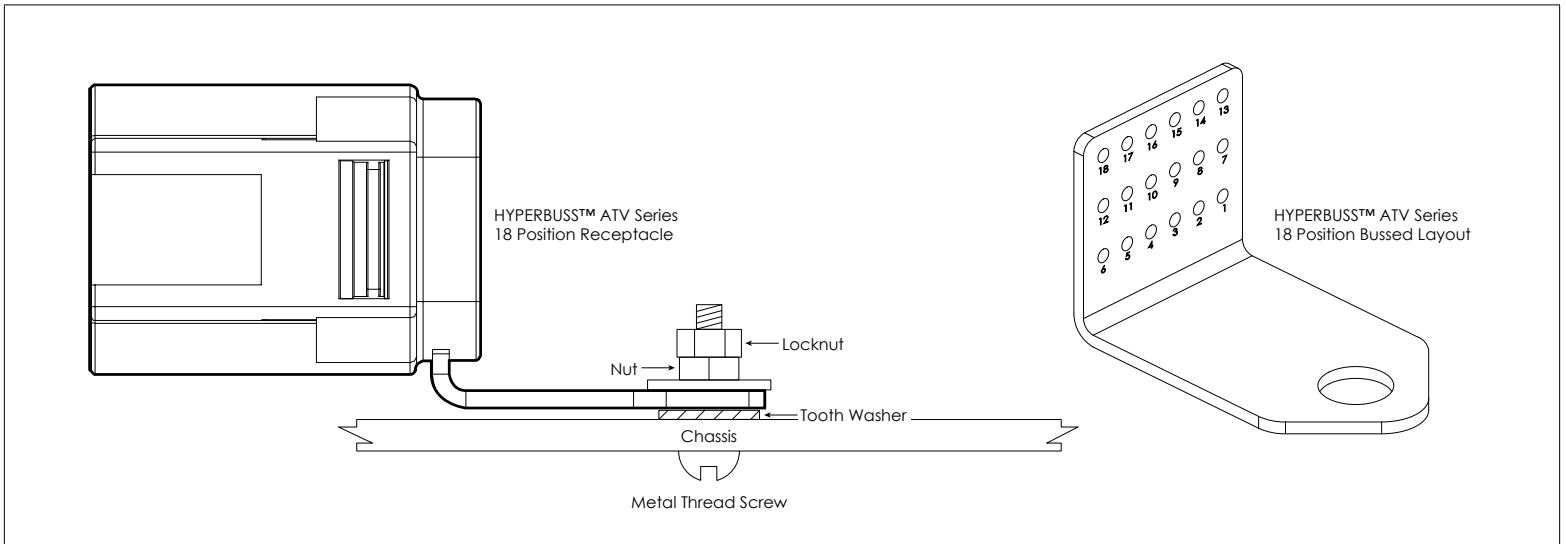
HYPERBUS™ ATV Series - 18 Position Bussed Receptacle Kits

Image	Part Number	Description	Contact Size	Amperage
	ATV46-18PSA-BUSCKIT	KIT: 18 Position, HYPERBUS™ ATV Series, Keyed A Contains: (1) 18 Position, Receptacle, HYPERBUS™ ATV, Key A, Grey Body Contains: (1) 18 Position, Plug, ATV Series™, Key A, Grey Body	16	13A (230A Total)
	ATV46-18PSB-BUSCKIT	KIT: 18 Position, HYPERBUS™ ATV Series, Keyed B Contains: (1) 18 Position, Receptacle, HYPERBUS™ ATV, Key B, Black Body Contains: (1) 18 Position, Plug, ATV Series™, Key B, Black Body	16	13A (230A Total)

HYPERBUS™ ATV Series - Sample Architecture: Plug and Play Battery GROUND/Battery POWER Buss System



HYPERBUS™ ATV Series - Sample Architecture: Plug and Play Chassis GROUND Buss System





DM DuraMate™ AHDP with HYPERBUSS™



DuraMate™ AHDP Bussed Receptacles

Available in 16 position

Amphenol Sine Systems' **DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 and IP69K rated (in mated condition), the DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles contain an economical, quick-connect, circular, bayonet locking system to ensure proper mating with standard DuraMate™ AHDP plugs, as well as industry standard connectors,

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Includes Bolt, Nut and Washers
- Available in Power (Red) or Ground (Black)
- Sealed (potted) Intergrated Bussed Feedback Assembly
- IP68 and IP69K rated (in mated condition)
- Quick-connect, circular, bayonet coupling system
- Intermateable with standard DuraMate™ AHDP plugs

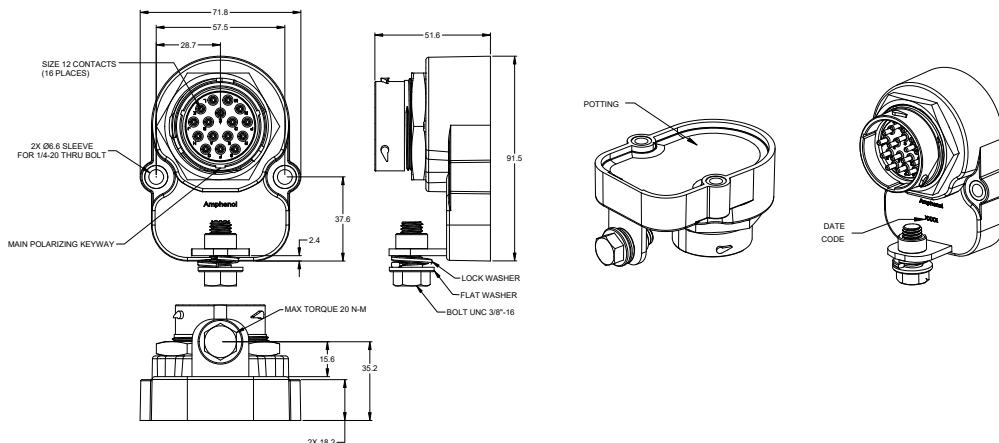


Applications: Heavy Duty, Transportation, Marine, Military, Alternative Energy, Agricultural and other interconnect

DuraMate™ AHDP with HYPERBUSS™ - Specifications (Ref Individual Datasheets)



IP Rating (in mated condition)	IP68 and IP69K	Contact Material	Copper Alloy, Nickel Plated
Contact Size	12	Bracket	Copper Alloy, Nickel Plated
Max. Current (Amperage)	25A Each (400A Max)	Sleeves	Aluminum, Black Anodized
Operating Temperature	-55°C to +125°C	Min. Mating Cycles	>100
Coupling System	Quick-Connect, Circular Bayonet	RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Housing Body	Thermoplastic	Approvals	-
Contact Types	Machined		

DuraMate™ AHDP with HYPERBUSS™ - 16 Position Bussed Receptacle Dimensions (mm)



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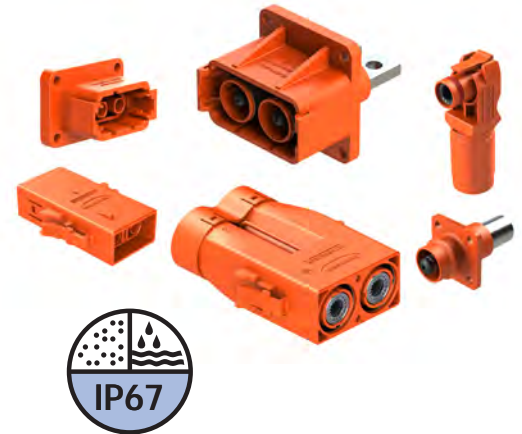
DuraMate™ AHDP with HYPERBUSS™ - 16 Position Bussed Receptacles [For intermateable DuraMate™ AHDP Series plugs \(AHDP06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
		AHDPH04-24-16P-BLK-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSS™, Plastic, Potted, Black Body (Includes bolt, nut and washers)	12	25A (400A Max)
		AHDPH04-24-16P-RED-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSS™, Plastic, Potted, Red Body (Includes bolt, nut and washers)	12	25A (400A Max)



MM Magna|Mate™ Family

The **MagnaMate™ ATHP Series** is a rugged thermoplastic power connector series featuring high-performance RADSOK® contact technology. Designed for various “xEV” applications, **MagnaMate™** is IP67-rated (mated) and available in single or two-pole housings with rated current from 20A to 180A. **MagnaMate™** includes optional integrated HVIL safety features and EMI shielding protection which can withstand temperatures ranging from -40°C to +130°C.



MM Magna|Mate™ ATHP

MagnaMate™ ATHP Standard

Designed to withstand the extreme conditions of the trucking, agricultural, mining, construction, and marine industries, and features Amphenol's advanced RADSOK® contact technology.

Potential Applications: Inverters, Power Electric Box, Junction Box, xEV Battery

MM Magna|Mate™ ATHP Mini

MagnaMate™ ATHP Mini

A compact, low-profile two-pole thermoplastic power connector which features four (4) keying options for multi polarization. Designed to withstand the extreme conditions of the trucking, agricultural, mining, construction, and marine industries.

Potential Applications: Power Converters, Hybrid Electric Vehicles, Heavy Equipment Electrification, 2 and 3-Phase Motors, Starter Generators, Process Control/Automation

MM Magna|Mate™ ATHP QL

MagnaMate™ QL ATHP (Quick Lok)

The compact form-factor deliver loads of 130A or 180A for cable outer diameters up to 15.2mm. The definitive front latch design allows for multiple angles of connector engagement providing ease of mating in blind mate or confined spaces achieving IP67 ingress protection. The MagnaMate™ QL ATHP high-voltage connector system is easy to assemble, cost effective and was developed for use in ancillary units such as air-conditioning, electrical heating systems, or AC/DC converters, and for battery charging applications. **QL (Quick Lok) is available in both Black and Orange housings.**




Potential Applications: Electrical Air Condition, Battery Charger, Electrical Heater

A ASeries™ Family



Standard products. Custom solutions
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MagnaMate™ ATHP - Technical Specifications Overview

Series	MM Magna Mate™ ATHP		MM Magna Mate™ ATHP Mini			MM Magna Mate™ ATHP QL	
Image							
Positions	2		2			1	
Current Rating	180A		20A	25A	35A	130A	180A
Wire Range/mm2	50mm 2		2.5mm2	4.0mm2	6.0mm2	35mm2	50mm2
Cable OD Range	15.5-16.5mm		4.8-5.8mm & 6.5-7.5mm			10.7-11.7mm	14.2-15.2mm
Operating Voltage	1000V AC/DC						
Contact Resistance	<0.3mΩ		<2.0mΩ			<0.3 mΩ	
HVIL	Optional		Optional			N/A	
EMC Shielding	Available					N/A	
Housing	Thermoplastic UL94 VO						
IP Rating	IP67 mated						
48 HR Salt Spray Test	Passed						
Keying Options	N/A		A, B, C, D			Black, Orange	
Temperture Range	-40°C to + 130°C					-55°C to + 125°C	
Mating Cycles	100 Cycles					50 Cycles	
Seal Material	Silicone Rubber						
Contact Material	Copper Alloy/Various Plating Options Available						
Thermal Cycle	No cracking, chipping or leaking after 20 test cycles from:						
	-40°C to +130°C		-40°C to +130°C			-55°C to + 125°C	
Vibration	No unlocking or unmating. Exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.						
Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial application.						

MM MagnaMate™ ATHP

The standard MagnaMate™ ATHP is designed to withstand the extreme conditions of the trucking, agricultural, mining, construction, and marine industries, and features Amphenol's advanced RADSOK® contact technology.

Potential Applications: Inverters, Power Electric Box, Junction Box, xEV Battery

Description

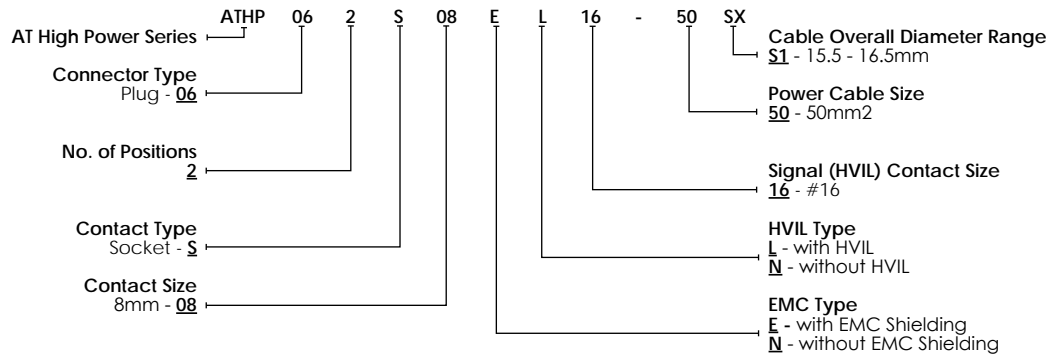
- High Voltage Interlock Loop (HVIL) safety feature optional
- ElectroMagnetic Interference shielding (EMI) for noise immunity optional
- Constructed of heavy-duty thermoplastic
- Inline or panel mount housing options
- Features Amphenol's advanced RADSOK contact technology
- Compact, quick locking and press-to-release design

Performance

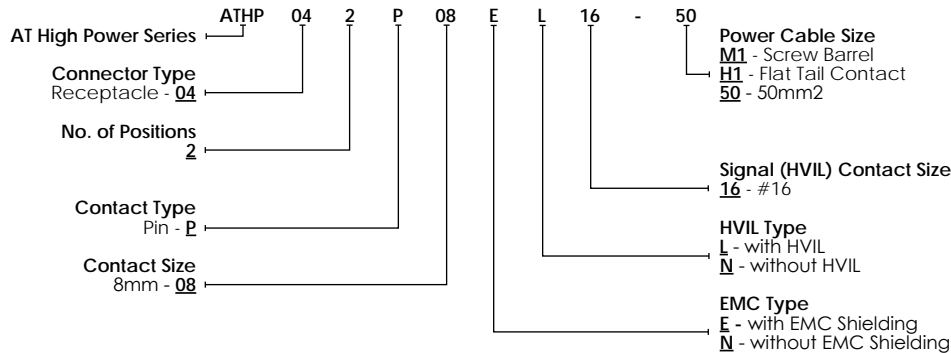
- Current Capacity up to 180A with 50mm² wire
- Voltage: 1000V AC/DC
- Temperature Range -40°C TO + 130°C
- IP67-rated (mated)



MagnaMate™ ATHP Standard Plug - Part Numbering Sequence



MagnaMate™ ATHP Standard Receptacles - Part Numbering Sequence



MagnaMate™ ATHP Standard - Plugs and Receptacles

Part Number	Type	Position	Power Contact	Signal (HVIL) Contact Size	Power Cable	Cable OD Range	Voltage
ATHP062S08NL16-50S1	Plug	2	Socket	16	50mm2	15.5 - 16.5 mm	1000
ATHP042P08NL16-50	Receptacle	2	Pin	16	50mm2	-	1000

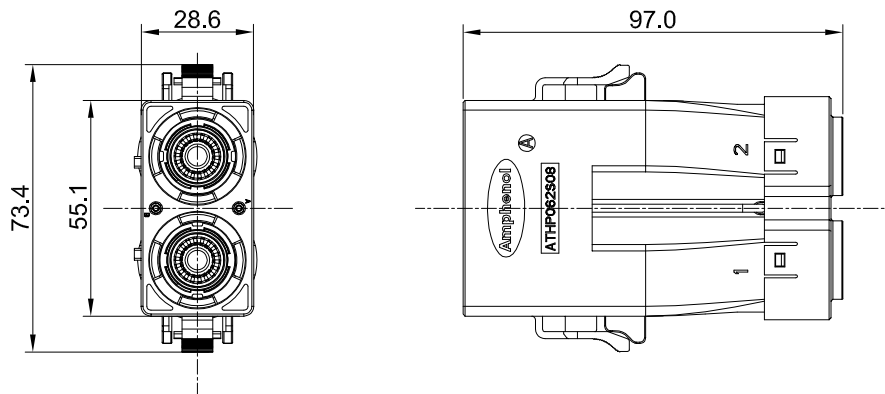
MagnaMate™ ATHP Standard - Plugs and Receptacles with EMC Shielding and High Voltage Interlock Loop

Part Number	Type	Position	Power Contact	Signal (HVIL) Contact Size	Power Cable	Cable OD Range	Voltage
ATHP062S08EL16-50S1	Plug	2	Socket	16	50mm2	15.5 - 16.5 mm	1000
ATHP042P08EL16-50	Receptacle	2	Pin	16	50mm2	-	1000
ATHP042P08EL16-H1	Receptacle	2	Pin	16	-	-	1000

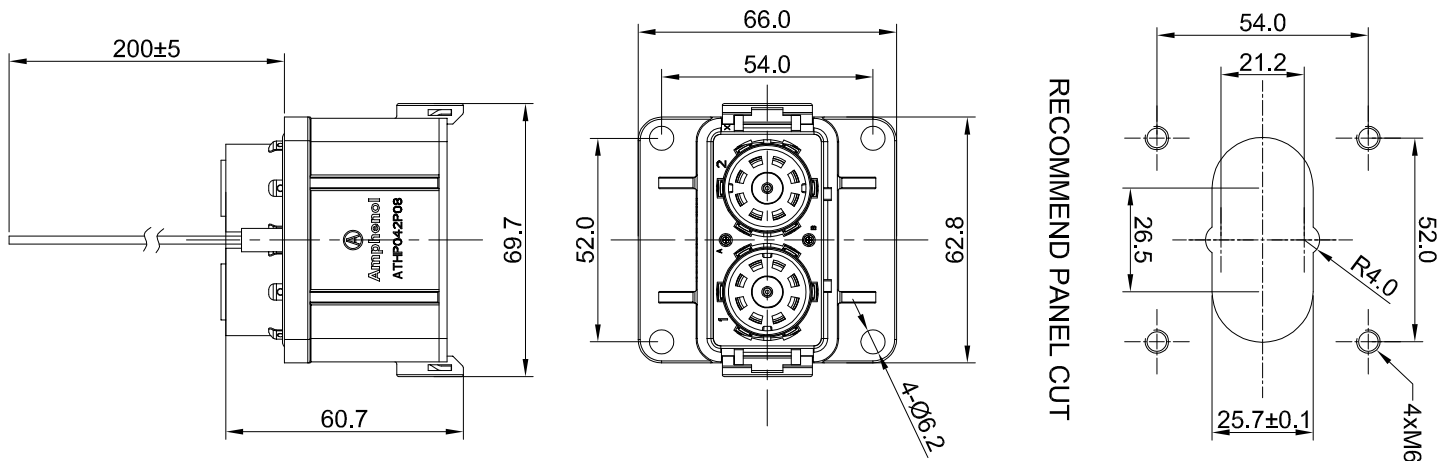
MagnaMate™ ATHP Standard - Tooling

Part Number	Description
QXATHP-50	Extraction Tool #50mm2 Contact

MagnaMate™ ATHP Standard - Plug with 8mm RADSOK® Contacts



MagnaMate™ ATHP Standard - Receptacle with 8mm Contacts



MM MagnaMate™ ATHP Mini

The MagnaMate™ ATHP Mini is a compact, low-profile two pole thermoplastic power connector which features four (4) keying options for multi polarization. Designed to withstand the extreme conditions of the trucking, agricultural, mining, construction, and marine industries.

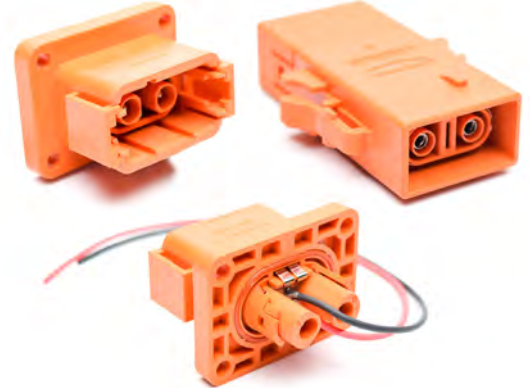
Potential Applications: Power Converters, Hybrid Electric Vehicles, Heavy Equipment Electrification, 2 and 3-Phase Motors, Starter Generators, Process Control/Automation

Description

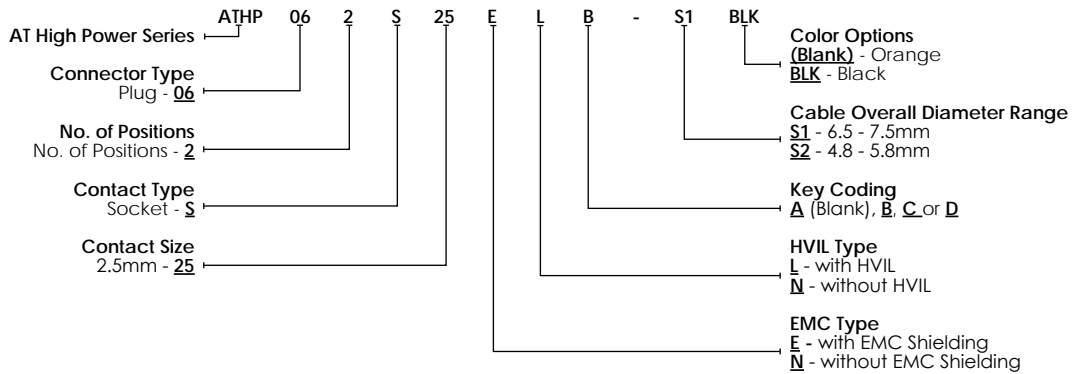
- High Voltage Interlock Loop (HVIL) safety feature optional
- ElectroMagnetic Interference shielding (EMI) for noise immunity optional
- Constructed of heavy-duty thermoplastic
- Four (4) keying options for multi polarization
- Compact, quick locking and press-to-release design

Performance

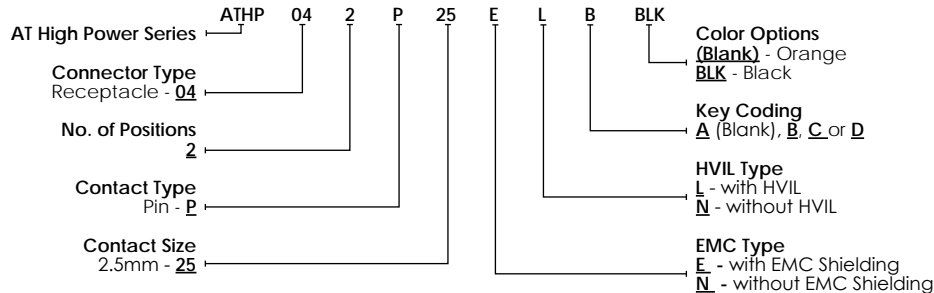
- Current Capacity up to 35A
- Voltage: 1000V AC/DC
- Temperature Range -40°C TO + 130°C
- IP67-rated (mated)



MagnaMate™ ATHP Mini Plugs - Part Numbering Sequence



MagnaMate™ ATHP Mini Receptacles - Part Numbering Sequence



MagnaMate™ ATHP Mini - Plugs with EMC Shielding and High Voltage Interlock Loop

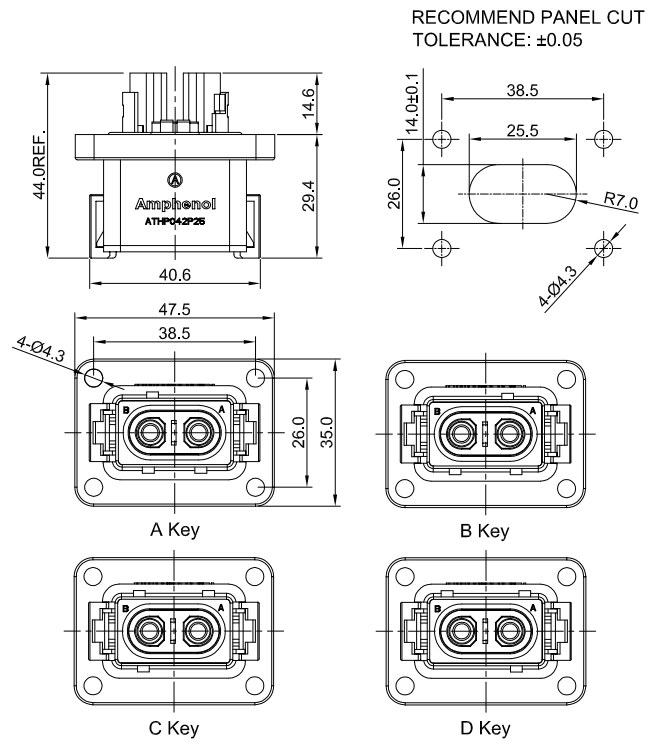
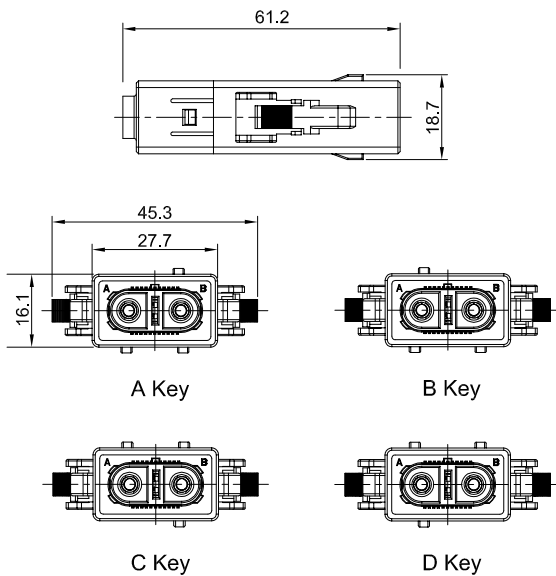
Part Number	Type	Position	Power Contact	Keying	Power Cable	Cable OD Range	Voltage
ATHP062S25EL-S1	Plug	2	Socket	A	2.5-6.0mm ²	6.5-7.5mm	1000
ATHP062S25EL-S2	Plug	2	Socket	A	2.5-6.0mm ²	4.8-5.8mm	1000
ATHP062S25ELB-S1	Plug	2	Socket	B	2.5-6.0mm ²	6.5-7.5mm	1000
ATHP062S25ELB-S2	Plug	2	Socket	B	2.5-6.0mm ²	4.8-5.8mm	1000
ATHP062S25ELC-S1	Plug	2	Socket	C	2.5-6.0mm ²	6.5-7.5mm	1000
ATHP062S25ELC-S2	Plug	2	Socket	C	2.5-6.0mm ²	4.8-5.8mm	1000
ATHP062S25ELD-S1	Plug	2	Socket	D	2.5-6.0mm ²	6.5-7.5mm	1000
ATHP062S25ELD-S2	Plug	2	Socket	D	2.5-6.0mm ²	4.8-5.8mm	1000

MagnaMate™ ATHP Mini - Receptacles with EMC Shielding and High Voltage Interlock Loop

Part Number	Type	Position	Power Contact	Keying	Power Cable	Cable OD Range	Voltage
ATHP042P25EL	Receptacle	2	Pin	A	2.5-6.0mm ²	-	1000
ATHP042P25ELB	Receptacle	2	Pin	B	2.5-6.0mm ²	-	1000
ATHP042P25ELC	Receptacle	2	Pin	C	2.5-6.0mm ²	-	1000
ATHP042P25ELD	Receptacle	2	Pin	D	2.5-6.0mm ²	-	1000

MagnaMate™ ATHP Mini - Plugs

MagnaMate™ ATHP Mini - Receptacles



MagnaMate™ ATHP Mini - Contacts

Part Number	Type	Style	Contact Size	Plating	Crimp Range	Amperage
MP10B23F	Pin	Machined	2.5mm	Gold Flash	6mm2	35A
MP10B23G10	Pin	Machined	2.5mm	Gold	6mm2	35A
MP10B23G15	Pin	Machined	2.5mm	Gold	6mm2	35A
MP10B23G30	Pin	Machined	2.5mm	Gold	6mm2	35A
MP10B23G5	Pin	Machined	2.5mm	Gold	6mm2	35A
MP10B23S	Pin	Machined	2.5mm	Silver	6mm2	35A
MP10B23T	Pin	Machined	2.5mm	Tin	6mm2	35A
MS10B23F	Socket	Machined	2.5mm	Gold Flash	6mm2	35A
MS10B23G10	Socket	Machined	2.5mm	Gold	6mm2	35A
MS10B23G15	Socket	Machined	2.5mm	Gold	6mm2	35A
MS10B23G30	Socket	Machined	2.5mm	Gold	6mm2	35A
MS10B23G5	Socket	Machined	2.5mm	Gold	6mm2	35A
MS10B23S	Socket	Machined	2.5mm	Silver	6mm2	35A
MS10B23T	Socket	Machined	2.5mm	Tin	6mm2	35A
SP12A1F	Pin	Stamped & Formed	2.5mm	Gold Flash	2.5mm2	20A
SP12A1F-10	Pin	Stamped & Formed	2.5mm	Gold Flash	4.0mm2	25A
SP12A1G10	Pin	Stamped & Formed	2.5mm	Gold	2.5mm2	20A
SP12A1G10-10	Pin	Stamped & Formed	2.5mm	Gold	4.0mm2	25A
SP12A1G15	Pin	Stamped & Formed	2.5mm	Gold	2.5mm2	20A
SP12A1G15-10	Pin	Stamped & Formed	2.5mm	Gold	4.0mm2	25A
SP12A1G30	Pin	Stamped & Formed	2.5mm	Gold	2.5mm2	20A
SP12A1G30-10	Pin	Stamped & Formed	2.5mm	Gold	4.0mm2	25A
SP12A1T	Pin	Stamped & Formed	2.5mm	Tin	2.5mm2	20A
SP12A1T-10	Pin	Stamped & Formed	2.5mm	Tin	4.0mm2	25A
SS12A1F	Socket	Stamped & Formed	2.5mm	Gold Flash	2.5mm2	20A
SS12A1F-10	Socket	Stamped & Formed	2.5mm	Gold Flash	4.0mm2	25A
SS12A1G10	Socket	Stamped & Formed	2.5mm	Gold	2.5mm2	20A
SS12A1G10-10	Socket	Stamped & Formed	2.5mm	Gold	4.0mm2	25A
SS12A1G15	Socket	Stamped & Formed	2.5mm	Gold	2.5mm2	20A
SS12A1G15-10	Socket	Stamped & Formed	2.5mm	Gold	4.0mm2	25A
SS12A1G30	Socket	Stamped & Formed	2.5mm	Gold	2.5mm2	20A
SS12A1G30-10	Socket	Stamped & Formed	2.5mm	Gold	4.0mm2	25A
SS12A1T	Socket	Stamped & Formed	2.5mm	Tin	2.5mm2	20A
SS12A1T-10	Socket	Stamped & Formed	2.5mm	Tin	4.0mm2	25A

MagnaMate™ ATHP Mini - Tooling

Part Number	Description
QXRT12S	Extraction Tool 2.5mm Contact



RADSOK® Contact Technology is based upon a stamped and formed flat grid, uniquely twisted into a hyperbolic geometry to provide robust, high density contact to the mating pin contact. Most pin and socket technologies rely on spring (beam element) properties of the contact elements, which tend to weaken over time. Unlike most other pin and socket solutions, the **RADSOK®** also utilizes the tensile strength properties of the flat, high conductivity alloy grid. This provides the high normal forces required for conductivity while also providing a large conductive surface area. Correspondingly low voltage drop and low temperature rise are also achieved while maintaining low insertion forces.



The RADSOK® Design

- Socket cylinder within female contact has several equally spaced longitudinal beams twisted into a hyperbolic shape
- As a male pin is inserted, axial members in the female half deflect, imparting high current flow across the connection with minimal voltage loss
- The hyperbolic, stamped grid configuration ensures a large, coaxial, face-to-face surface area engagement
- Ideal for crimp termination applications requiring repeated mating cycles and high current with a low multi-volt drop

RADSOK® Technology Advantages

- **High Reliability** - Unique design and construction technology create an electrical contact interface that exceeds typical interconnect requirements.
- **Low Contact Engagement/Separation Forces** - The hyperbolic lamella socket contact construction distributes normal forces over a high percentage of the mating pin surface. This creates a smooth, even engagement effort. This force distribution also contributes to excellent performance in vibration applications with resistance to typical fretting corrosion.
- **Low Contact Resistance** - The large interface area between the socket lamella and pin surface result in very low contact resistance, enabling the RADSOK® contacts' high current ratings compared to traditional power contact designs.
- **High Mating Cycle Durability** - RADSOK® contacts with typical silver plating finishes have demonstrated survival of 20,000 mating cycles. Specialized plating and contact lubricants can extend cycle life to 200,000 matings or higher. Even with continuous exposure to harsh environmental abuse, RADSOK® contacts have been tested to maintain low contact resistance beyond 10,000 mating cycles.

Standard and Custom-Developed Solutions

- In addition to the various standard sizes of RADSOK® components, custom-developed solutions are also available. Amphenol has the global design, engineering and manufacturing resources to provide RADSOK® sockets pressed into busbars, crimped to cables, assembled into connectors, assembled into customer or Amphenol designed specialized electrical devices, or as stand-alone components. Amphenol also manufactures a full compliment of mating pin contacts for any application.
- Steady-state current capacities for RADSOK® products range from 50 amps to over 1000 amps.
- Amphenol connectors with RADSOK® contacts are offered with a variety of positive-locking features (HiLok® and SurLok®) that insure and maintain fully-mated connections.
- Sealing (Sealtac™) and high voltage hot break options are available within the RADSOK® itself or within a very wide range of IP rated connector housings to provide environmental protection to the contact area.

MM MagnaMate™ ATHP QL

MagnaMate™ QL ATHP (Quick Lok) connectors compact form factor deliver loads of 130A or 180A for cable outer diameters up to 15.2mm. The definitive front latch design allows for multiple angles of connector engagement providing ease of mating in blind mate or confined spaces achieving IP67 ingress protection. The MagnaMate™ QL ATHP high-voltage connector system is easy to assemble, cost effective and was developed for use in ancillary units such as air-conditioning, electrical heating systems, or AC/DC converters, and for battery charging applications. **QL (Quick Lok) is available in both Black and Orange housings.**

Potential Applications: Electrical Air Condition, Battery Charger, Electrical Heater

Description

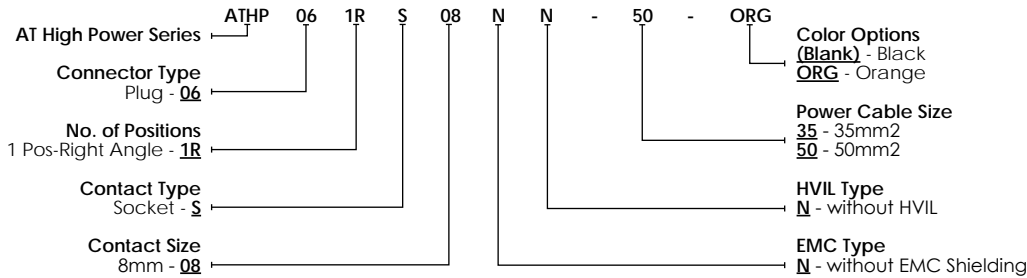
- Right Angle Plug Design
- Blind Mate Compatibility
- Compact, quick locking and press-to-release design
- Constructed of heavy-duty thermoplastic

Performance

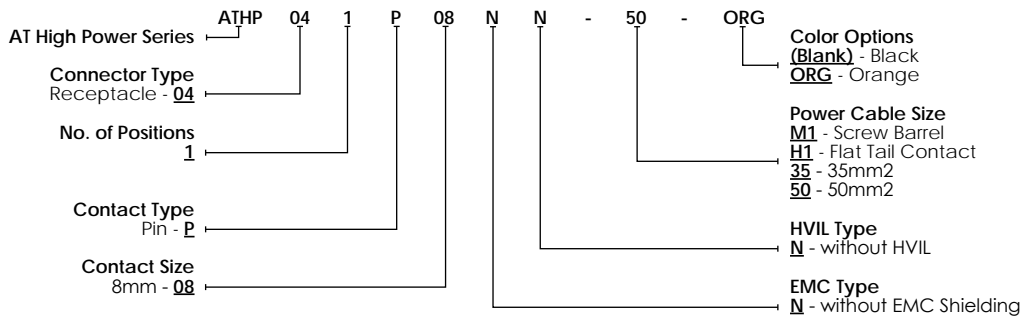
- Current Capacity up to 180A
- Voltage: 1000V AC/DC
- Temperature Range -55°C TO + 125°C
- IP67-rated (mated)



MagnaMate™ ATHP QL Plug - Part Numbering Sequence



MagnaMate™ ATHP QL Receptacles - Part Numbering Sequence



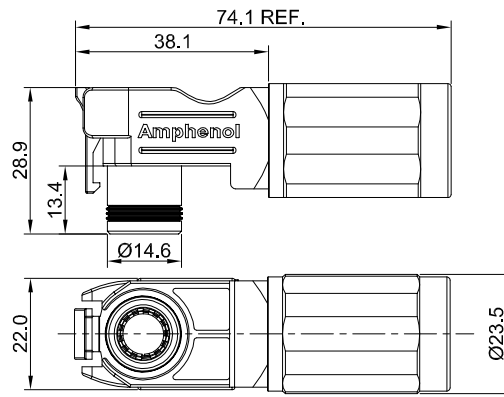
MagnaMate™ ATHP QL - Plug with EMC Shielding and High Voltage Interlock Loop

Part Number	Type	Position	Power Contact	Keying	Cable O.D. Range	Voltage
ATHP061RS08NN-50	Plug	1	Socket	-	14.2-15.2mm	1000
ATHP061RS08NN-35	Plug	1	Socket	-	10.7-11.7mm	1000

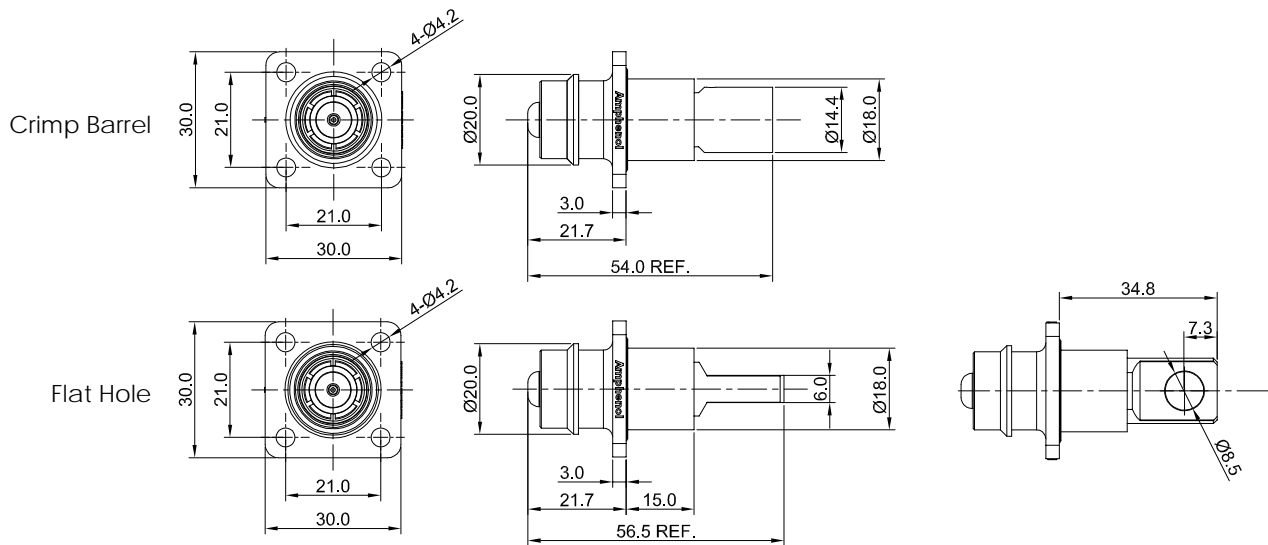
MagnaMate™ ATHP QL - Receptacle with EMC Shielding and High Voltage Interlock Loop

Part Number	Type	Position	Power Contact	Keying	Wire Range	Voltage
ATHP041P08NN-H1	Receptacle	1	Pin	-	-	1000
ATHP041P08NN-50	Receptacle	1	Pin	-	50mm ²	1000
ATHP041P08NN-35	Receptacle	1	Pin	-	35mm ²	1000

MagnaMate™ ATHP QL - Plugs

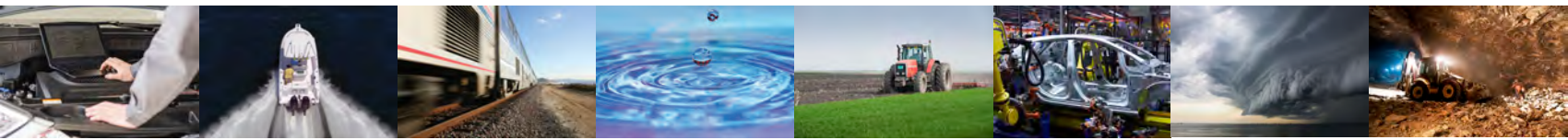


MagnaMate™ ATHP QL - Receptacles



For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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MM Multi|Mate™

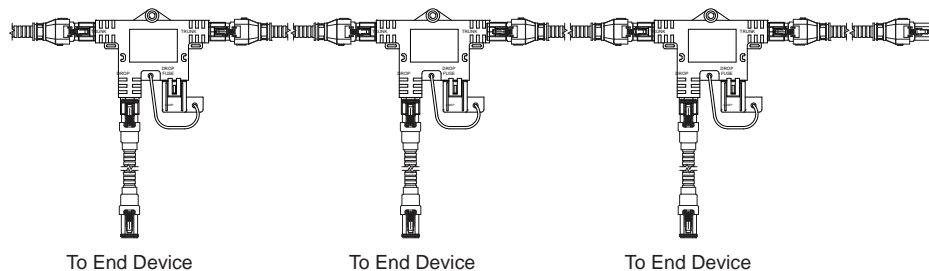


Trunk (Size 12, 25A Max) and Drop (Size 16, 13A Max), or
Trunk (Size 16, 13A Max) and Drop (Size 16, 13A Max)

Amphenol Sine Systems' MultiMate™ expands upon the proven reliability of the A Series™ environmentally sealed thermoplastic connection system with rugged over-molded "Plug & Play" connection types for power, signal and data for your diverse electrical requirements. Today's ever evolving wiring protocols have dictated the rapid acceleration of "Quick-Connect" topologies increasing designers options with streamlined and proven connectivity systems. The objective is to provide cost reductions within all phases of design, installation and service of pre-existing electrical architectures by simplifying your wiring requirements. Cable requirements can be ordered as complete assemblies direct from Amphenol or assembled at time of installation, this system is ideal for heavy-duty applications such as commercial vehicle, agriculture, construction or marine installations.

Features and Benefits

- Rapid install due to scalable modular design at startup
- Faster commissioning with reliable "Plug & Play" capability dramatically reduces cost
- Fuse protection provides protection for "Drop" device.
- Lower fused values possible at device versus main "Trunk"
- Accepts any standard automotive "ATO" fuse
- Quick disconnects minimize downtime from removal or replacement of failed equipment
- High strength impact resistant & lightweight thermoplastic housings
- Contacts available in economical reel-mounted high volume machine termination or machined loose-piece form.
- Low insertion force stamped terminals offer improved manufacturing efficiencies
- Engineered rapid and secure mating system achieves IP67 protection from ingress of dust, water mud and other contaminants
- Redundant sealing features consisting of durable high temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels.
- Rigid back shells provide strain-relief for convoluted tubing.



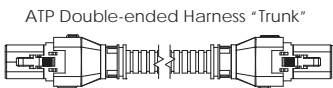
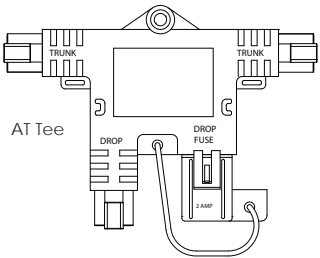
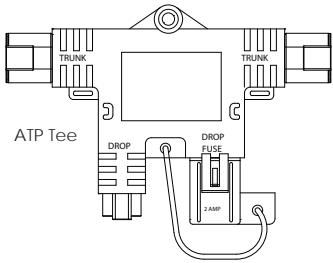
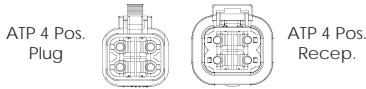
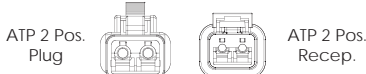
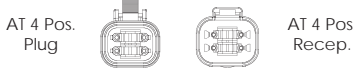
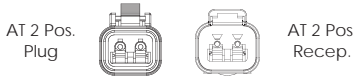
The MultiMate™ system meets all the performance criteria and specifications of the AT and ATP Series™ of connectors. For more information, refer to the AT and ATP Series™ documentation found online, or contact Customer Service.

A Series™ Family



Standard products. Custom solutions
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Part Number	Description - Panel Mount Receptacles with Wire Leads
P31142-XX	ATP, 2 Position Panel Recep., Male(Size 12) with 12AWG Wire Leads, 25A
P31143-XX	ATP, 4 Position Panel Recep., Male(Size 12) with 12AWG Wire Leads, 25A
P31144-XX	AT, 2 Position Panel Recep., Male(Size 16) with 14AWG Wire Leads, 13A
P31145-XX	AT, 4 Position Panel Recep., Male(Size 16) with 14AWG Wire Leads, 13A

Part Number	Description - Tee's
P31134	ATP, Tee, 2 Position Recep., Male, 25A (Trunk), Recep. Male, 13A (Drop) w/ fuse holder
P31135	ATP, Tee, 2 Position Recep., Male 25A (Trunk), Recep. Male, 13A (Drop)
P31136	ATP, Tee, 4 Position Recep., Male, 25A (Trunk), Recep. Male, 13A (Drop) w/ fuse holder
P31137	ATP, Tee, 4 Position Recep., Male, 25A (Trunk), Recep. Male, 13A (Drop)
P31138	AT, Tee, 2 Position, Recep. Male, 13A (Trunk), Recep. Male, 13A (Drop) w/ fuse holder
P31139	AT, Tee, 2 Position, Recep. Male, 13A (Trunk), Recep. Male, 13A (Drop)
P31140	AT, Tee, 4 Position, Recep. Male, 13A (Trunk), Recep. Male, 13A (Drop) w/ fuse holder
P31141	AT, Tee, 4 Position, Recep. Male, 13A (Trunk), Recep. Male, 13A (Drop)

Part Number	Description - Double-ended Harness "Trunk"
P31146-XX	ATP, 2 Position Plug(Size 12) Double-ended Harness Female, w/ 12AWG Wire Leads & Tubing, 25A
P31147-XX	ATP, 4 Position Plug(Size 12) Double-ended Harness Female, w/ 12AWG Wire Leads & Tubing, 25A
P31148-XX	ATP, 4 Position Double-ended Harness Plug Female, w/ 2 Pos.(Size 12) 12AWG(25A) & 2 Pos., "Can Lo/Can Hi" 18AWG, with Tubing
P31149-XX	AT, 2 Position(Size 16) Double-ended Harness Plug Female, w/ 16AWG Wire Leads & Tubing, 13A
P31150-XX	AT, 4 Position(Size 16) Double-ended Harness Plug Female, w/ 16AWG Wire Leads & Tubing, 13A
P31151-XX	AT, 4 Position Double-ended Harness Plug Female, w/ 2 Pos.(Size 16) 16AWG(13A) & 2 Pos., "Can Lo/Can Hi" 18AWG, with Tubing

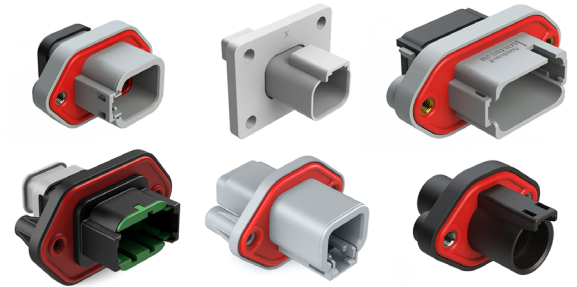
Part Number	Description - Double-ended Harness "Drop"
P31149-XX	AT, 2 Position, (Size 16) Double-ended Harness Plug Female w/ 16AWG Wire Leads & Tubing, 13A
P31150-XX	AT, 4 Position, (Size 16) Double-ended Harness Plug Female w/ 16AWG Wire Leads & Tubing, 13A

Part Number	Description - Plug "Terminators"
P31172	AT, 2 Position, Plug Terminator Female, (Size 16)
P31173	AT, 4 Position, Plug Terminator Female, (Size 16)
P31174	AT, 4 Position, Plug Terminator Female, (Size 16) w/ 120 ohm resistor
P31175	ATP, 2 Position, Plug Terminator Female, (Size 12)
P31176	ATP, 4 Position, Plug Terminator Female, (Size 12)
P31177	ATP, 4 Position, Plug Terminator Female, (Size 12) w/ 120 ohm resistor

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com



PM Panel|Mate™ Family



PanelMate™ AT: 2, 3, 4, 6, 8, 12, 13, 15 and 18 position
PanelMate™ ATM: 12 position
PanelMate™ ATP: 2, 4 and 6 position
PanelMate™ ATHD: Single Position

Amphenol Sine Systems' **PanelMate™ Family of Receptacles** are engineered with a one-piece, sealed, flanged design for rapid and secure mounting. Their durable, high-temperature, silicone, facial seal provides a barrier of protection from lubricating oils, hydraulic fluids and fossil fuels to withstand the challenges and complexities of harsh environment applications. Also available in a two-piece, sonically-welded, flange design for applications requiring an externally operated connection with 4 pass through holes. All PanelMate™ product lines accept A Series™ components and are comparable with other industry standard mating connectors.

Our PanelMate™ AT, ATM, ATP and ATHD Series meet all the performance criteria and specifications of the AT, ATM, ATP and ATHD Series™, and is available in a variety of color modifications.

Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural and other demanding interconnect architectures

Features

- Flanged or Flangeless; 180° Straight or 90° Right Angle Pin Orientation
- High-temperature silicone seals provide superior sealing
- Comparable with existing standard products industry-wide
- Thermoplastic housing with integrated latch for mating
- Wedgelocks ensure proper contact alignment & retention
- Wide variety of back end configurations

PanelMate™ Family Specifications Overview (Reference individual datasheets)

AWG Range	PanelMate™ AT: 12-22AWG; PanelMate™ ATM: 16-22AWG; PanelMate™ ATP: 10-14AWG; PanelMate™ ATHD: 4-14AWG
Amperage Range	PanelMate™ AT: 13A-25A; PanelMate™ ATM: 7.5A; PanelMate™ ATP: 25A; PanelMate™ ATHD: 25A-100A
Operating Temperature	-55°C to +125°C
Housing/Latch	Thermoplastic/Integrated latch for mating
IP Ratings (in mated condition)	Reference individual datasheets
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking/chipping/damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement/disengagement, neither mechanical/electrical degradation is evident

IP Ratings



IP67 rated (1M of Water for 30 Minutes, in mated condition)
 IP68 rated (1M of Water for 24 Hours, in mated condition)
 IP69K rated (High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

A Series™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732

Back End Configurations (Colors Vary)

 -BL04 Welded Flange, Grey Body, Enhanced Key, Std Rear Seal (Red)	 -BL05 Welded Flange, Grey Body, Enhanced Key, End Cap, Standard Dia. Rear Seal (Red)	 -BL08 Welded Flange, Black Body, Enhanced Key, Std Dia. Rear Seal (Red)	 -CL03 Welded Flange, Grey Body, Reduced Dia. Rear Seal (Green)	 -CL06 Welded Flange, Black Body, Reduced Dia. Rear Seal (Green)
 -EC End Cap	 -G Gasket	 -GEC Gasket, End Cap	 -L009 Sealed Flange, Inside Mount	 -L012 Welded Flange, Grey Body
 -L013 Sealed Flange, Outside Mount	 -LE07 Welded Flange, End Cap	 -LE08 Welded Flange, Grey Body, Shrink Boot End Cap	 -LE12 Welded Flange, Black Body, Shrink Boot End Cap	 -LE14 Welded Flange, Black Body
 -LE21 Threaded Insert, Gasket, End Cap, Reduced Dia. Rear Seal (Green)	 -PM01 Welded Flange, Standard Dia. Rear Seal (Red)	 -PM02 Welded Flange, Reduced Dia. Rear Seal (Green)	 -PM05 Threaded Insert, Gasket, Standard Dia. Rear Seal (Red)	 -PM06 Threaded Insert, Gasket, Reduced Dia. Rear Seal (Green)
 -PM07 Self-Threading, End Cap, Standard Dia. Rear Seal (Red)	 -PM08 Self-Threading, Standard Dia. Rear Seal (Red)	 -PM11 Self-Threading, Gasket, Standard Dia. Rear Seal (Red)	 -PM12 Self-Threading, Gasket, Reduced Dia. Rear Seal (Green)	 -PM13 Self-Threading, End Cap, Gasket, Standard Dia. Rear Seal (Red)
 -PM14 Self-Threading, End Cap, Gasket, Reduced Dia. Rear Seal (Green)	 -PM15 Self-Threading, Gasket, Strain Relief, Standard Dia. Rear Seal (Red)	 -PM16 Self-Threading, Gasket, Strain Relief, Reduced Dia. Rear Seal (Green)	 -RD Reduced Dia. Rear Seal (Green)	 -RDG Gasket, Reduced Dia. Rear Seal (Green)
 -PM31 4 Hole Flange, Front Mount, Standard Dia. Rear Seal (Red)				

PanelMate™ AT Receptacles with Flange

















Image	Part Number	Description	Contact Size	Amp
	AT04-2P-PM11	2 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-PM12	2 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-PM13	2 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-PM14	2 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-PM15	2 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AT04-2P-PM16	2 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A

Image	Part Number	Description	Contact Size	Amp
	AW2P	2 Position, Receptacle Wedgelock, Green	-	-
	AW2P-A	2 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AW2P-B	2 Position, Receptacle Wedgelock, Keyed B, Black	-	-
	AW2P-C	2 Position, Receptacle Wedgelock, Keyed C, Green	-	-
	AW2P-D	2 Position, Receptacle Wedgelock, Keyed D, Brown	-	-

	AT04-3P-PM05	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-PM11	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-PM12	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-PM13	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-PM14	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-PM15	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-PM16	3 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AW3P	3 Position, Receptacle Wedgelock, Green	-	-
	AW3P-J1939	3 Position, Receptacle Wedgelock, Keyed J-1939, Blue	-	-

	AT04-4P-PM11	4 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-PM12	4 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-PM13	4 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-PM14	4 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-PM15	4 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-PM16	4 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A

Image	Part Number	Description	Contact Size	Amp
	AW4P	4 Position, Receptacle Wedgelock, Green	-	-
	AW4P-A	4 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AW4P-B	4 Position, Receptacle Wedgelock, Keyed B, Black	-	-
	AW4P-C	4 Position, Receptacle Wedgelock, Keyed C, Green	-	-
	AW4P-D	4 Position, Receptacle Wedgelock, Keyed D, Brown	-	-

	AT04-6P-PM05	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW6P)	16	13A
	AT04-6P-PM11	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW6P)	16	13A
	AT04-6P-PM12	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW6P)	16	13A
	AT04-6P-PM13	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AW6P)	16	13A
	AT04-6P-PM14	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AW6P)	16	13A
	AT04-6P-PM15	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Black Body (Requires Wedgelock AW6P)	16	13A
	AT04-6P-PM16	6 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AW6P)	16	13A
	AW6P	6 Position, Receptacle Wedgelock, Green	-	-

	AT04-08PA-PM05	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PA-PM11	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PB-PM11	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed B, Black Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PC-PM11	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed C, Green Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PD-PM11	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed D, Brown Body (Requires Wedgelock AW8P)	16	13A
















Image	Part Number	Description	Contact Size	Amp
	AT04-08PA-PM12	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PB-PM12	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed B, Black Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PC-PM12	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed C, Green Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PD-PM12	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed D, Brown Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PA-PM13	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PB-PM13	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed B, Black Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PC-PM13	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed C, Green Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PD-PM13	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed D, Brown Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PA-PM14	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PB-PM14	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed B, Black Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PC-PM14	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed C, Green Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PD-PM14	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed D, Brown Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PA-PM15	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PB-PM15	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed B, Black Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PC-PM15	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed C, Green Body (Requires Wedgelock AW8P)	16	13A
















Image	Part Number	Description	Contact Size	Amp
	AT04-08PD-PM15	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed D, Brown Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PA-PM16	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed A, Grey Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PB-PM16	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed B, Black Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PC-PM16	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed C, Green Body (Requires Wedgelock AW8P)	16	13A
	AT04-08PD-PM16	8 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed D, Brown Body (Requires Wedgelock AW8P)	16	13A
	AW8P	8 Position, Receptacle Wedgelock, Green	-	-
	AT04-12PA-LE21	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Black Endcap, Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-LE21	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Black Endcap, Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-LE21	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Black Endcap, Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PD-LE21	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Black Endcap, Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM01	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Gasket, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM01	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Gasket, Standard Diameter Rear Seal (Red), Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM02	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Gasket, Reduced Diameter Rear Seal (Green), Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM02	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Gasket, Reduced Diameter Rear Seal (Green), Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM05	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
















Image	Part Number	Description	Contact Size	Amp
	AT04-12PA-PM11	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM11	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-PM11	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PD-PM11	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM12	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM12	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-PM12	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PD-PM12	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM13	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM13	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-PM13	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PD-PM13	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM14	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM14	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-PM14	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
















Image	Part Number	Description	Contact Size	Amp
	AT04-12PD-PM14	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM15	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM15	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-PM15	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PD-PM15	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PA-PM16	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed A, Grey Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PB-PM16	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed B, Black Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PC-PM16	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed C, Green Body (Requires Wedgelock AW12P)	16	13A
	AT04-12PD-PM16	12 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed D, Brown Body (Requires Wedgelock AW12P)	16	13A
	AW12P	12 Position, Receptacle Wedgelock, Green	-	-
	AT1612-13PB	13 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, No Gasket, End Cap, Standard Diameter Rear Seal (Red), Keyed B, Black Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT1612-13PB-G	13 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Keyed B, Black Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT1612-13PB-RD	13 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, No Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed B, Black Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT1612-13PB-RDG	13 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed B, Black Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT16-15PA-PM11	15 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, End Cap, Reduced Diameter Rear Seal (Green), Keyed A, Grey Body (No Add'l Wedgelock Required)	12,16	25A, 13A
























Image	Part Number	Description	Contact Size	Amp
	AT16-15PB-PM11	15 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, End Cap, Reduced Diameter Rear Seal (Green), Keyed B, Black Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT16-15PC-PM11	15 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, End Cap, Reduced Diameter Rear Seal (Green), Keyed C, Green Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT16-15PD-PM11	15 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, End Cap, Reduced Diameter Rear Seal (Green), Keyed D, Brown Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT16-15PE-PM11	15 Position, Receptacle with Flange, Pin, PanelMate™ AT, Threaded Insert, Gasket, End Cap, Reduced Diameter Rear Seal (Green), Keyed E, Grey Body (No Add'l Wedgelock Required)	12,16	25A, 13A
	AT16-18PA-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed A, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PB-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-PM11	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Keyed E, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PA-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed A, Grey Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PB-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed B, Black Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PC-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed C, Green Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PD-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed D, Brown Body (No Add'l Wedgelock Required)	16	13A
	AT16-18PE-PM15	18 Position, Receptacle with Flange, Pin, PanelMate™ AT, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Keyed E, Grey Body (No Add'l Wedgelock Required)	16	13A

Image	Part Number	Description	Size	Amp
	AT04-XP-PM1X-G7	Gasket for 2, 3, 4, 6 Position, PanelMate™ AT Receptacles	-	-
	AT04-08PB-G7	Gasket for 8 Position, PanelMate™ AT Receptacle	-	-
	AT1612-PB-G7	Gasket for 12 & 13 Position, PanelMate™ AT Receptacle	-	-

PanelMate™ AT Receptacles with 4 Hole Welded Flange

	AT04-2P-L012	2 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Grey (Requires Wedgelock AW2P. Keyed Options Available.)	16	13A
	AW2P	2 Position, Receptacle Wedgelock, Green	-	-
	AW2P-A	2 Position, Receptacle Wedgelock, Grey	-	-
	AW2P-B	2 Position, Receptacle Wedgelock, Black	-	-
	AW2P-C	2 Position, Receptacle Wedgelock, Green	-	-
	AW2P-D	2 Position, Receptacle Wedgelock, Brown	-	-

	AT04-3P-L012	3 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-LE08	3 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Shrink Boot End Cap, Grey Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-LE12	3 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Shrink Boot End Cap, Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-CL03	3 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AT04-3P-CL06	3 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW3P. Keyed Options Available.)	16	13A
	AW3P	3 Position, Receptacle Wedgelock, Green	-	-
	AW3P-J1939	3 Position, Receptacle Wedgelock, Keyed J-1939, Blue	-	-
	AT3P-L012-GKT	3 Position Receptacle Gasket with 4 Hole Welded Flange, PanelMate™ AT, Closed Cell Sponge Rubber	-	-










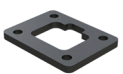




Image	Part Number	Description	Contact Size	Amp
	AT04-4P-L012	4 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-LE11	4 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-CL03	4 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AT04-4P-CL06	4 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW4P. Keyed Options Available.)	16	13A
	AW4P	4 Position, Receptacle Wedgelock, Green	-	-
	AW4P-A	4 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AW4P-B	4 Position, Receptacle Wedgelock, Keyed B, Black	-	-
	AW4P-C	4 Position, Receptacle Wedgelock, Keyed C, Green	-	-
	AW4P-D	4 Position, Receptacle Wedgelock, Keyed D, Brown	-	-
	AT4P-L012-GKT	4 Position Receptacle Gasket with 4 Hole Welded Flange, PanelMate™ AT, Closed Cell Sponge Rubber	-	-
	AT04-6P-L012	6 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW6P.)	16	13A
	AT04-6P-CL06	6 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Seal, Black Body (Requires Wedgelock AW6P.)	16	13A
	AW6P	6 Position, Receptacle Wedgelock, Green	-	-
	AT04-08PA-CL03	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Seal, Keyed A, Grey Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PA-CL06	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Seal, Keyed A, Black Body (Requires Wedgelock AW8P.)	16	13A

Image	Part Number	Description	Contact Size	Amp
	AT04-08PA-L012	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PB-L012	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed B, Black Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PC-L012	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed C, Green Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PD-L012	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed D, Brown Body (Requires Wedgelock AW8P.)	16	13A
	AT04-08PA-LE11	8 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, End Cap, Black Body (Requires Wedgelock AW8P.)	16	13A
	AW8P	8 Position, Receptacle Wedgelock, Green	-	-
	AT8P-L012-GKT	8 Position Receptacle Gasket with 4 Hole Welded Flange, PanelMate™ AT, Closed Cell Sponge Rubber	-	-
	AT04-12PA-L012	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PB-L012	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed B, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-L012	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed C, Green Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PD-L012	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed D, Brown Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-LE07	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), End Cap, Keyed A, Grey Body (Requires Wedgelock AW12P.)	16	13A












Image	Part Number	Description	Contact Size	Amp
	AT04-12PB-LE07	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), End Cap, Keyed B, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-LE07	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), End Cap, Keyed C, Green Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PD-LE07	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), End Cap, Keyed D, Brown Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-LE14	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-BL04	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, Enhanced Key, Grey Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PB-BL04	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed B, Enhanced Key, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-BL04	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed C, Enhanced Key, Green Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PD-BL04	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed D, Enhanced Key, Brown Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-BL05	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, Enhanced Key, End Cap, Grey Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PB-BL05	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed B, Enhanced Key, End Cap, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-BL05	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed C, Enhanced Key, End Cap, Green Body (Requires Wedgelock AW12P.)	16	13A

Image	Part Number	Description	Contact Size	Amp
	AT04-12PD-BL05	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed D, Enhanced Key, End Cap, Brown Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-BL08	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Standard Diameter Rear Seal (Red), Keyed A, Enhanced Key, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-CL03	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Keyed A, Grey Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PB-CL03	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Keyed B, Black Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PC-CL03	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Keyed C, Green Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PD-CL03	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Keyed D, Brown Body (Requires Wedgelock AW12P.)	16	13A
	AT04-12PA-CL06	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ AT, Reduced Diameter Rear Seal (Green), Keyed A, Black Body (Requires Wedgelock AW12P.)	16	13A
	AW12P	12 Position, Receptacle Wedgelock, Green	-	-
	AT12-L012-GKT	12 Position Receptacle Gasket with 4 Hole Welded Flange, PanelMate™ AT, Closed Cell Sponge Rubber	-	-

PanelMate™ ATM Receptacle with 4 Hole Welded Flange


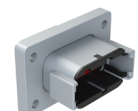
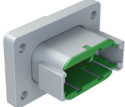
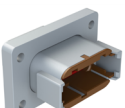

	ATM04-12PA-PM01	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ ATM, Standard Diameter Rear Seal (Red), Keyed A (Grey Insert), Grey Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PB-PM01	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ ATM, Standard Diameter Rear Seal (Red), Keyed B (Black Insert), Grey Body (Requires Wedgelock AWM-12P)	20	7.5A

Image	Part Number	Description	Contact Size	Amp
	ATM04-12PC-PM01	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ ATM, Standard Diameter Rear Seal (Red), Keyed C (Green Insert), Grey Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PD-PM01	12 Position, Receptacle with 4 Hole Welded Flange, Pin, PanelMate™ ATM, Standard Diameter Rear Seal (Red), Keyed D (Brown Insert), Grey Body (Requires Wedgelock AWM-12P)	20	7.5A
	AWM-12P	12 Position, Receptacle Wedgelock, Green	-	-

PanelMate™ ATM Receptacle with 4 Hole Flange, Front Mounted

	ATM04-12PA-PM31	12 Position, Receptacle with 4 Hole Flange, Front Mounted, Pin, PanelMate ATM, Standard Diameter Rear Seal (Red), Keyed A, Grey Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PB-PM31	12 Position, Receptacle with 4 Hole Flange, Front Mounted, Pin, PanelMate ATM, Standard Diameter Rear Seal (Red), Keyed B, Black Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PC-PM31	12 Position, Receptacle with 4 Hole Flange, Front Mounted, Pin, PanelMate ATM, Standard Diameter Rear Seal (Red), Keyed C, Green Body (Requires Wedgelock AWM-12P)	20	7.5A
	ATM04-12PD-PM31	12 Position, Receptacle with 4 Hole Flange, Front Mounted, Pin, PanelMate ATM, Standard Diameter Rear Seal (Red), Keyed D, Brown Body (Requires Wedgelock AWM-12P)	20	7.5A
	AWM-12P	12 Position, Receptacle Wedgelock, Green	-	-

PanelMate™ ATP Receptacle with Flange










	ATP04-2P-PM07G	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-PM07GEC	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-PM08G	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	ATP04-2P-PM08GEC	2 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-2P. Keyed Options Available.)	12	25A
	AWP-2P	2 Position, Receptacle Wedgelock, Orange	-	-
	AWP-2PA	2 Position, Receptacle Wedgelock, Keyed A, Grey	-	-

Image	Part Number	Description	Contact Size	Amp
	AWP-2PB	2 Position, Receptacle Wedgelock, Keyed B, Black	-	-
	AWP-2PC	2 Position, Receptacle Wedgelock, Keyed C, Green	-	-
	AWP-2PD	2 Position, Receptacle Wedgelock, Keyed D, Brown	-	-

	ATP04-4P-PM01	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM02	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM07G	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM07GEC	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM08G	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	ATP04-4P-PM08GEC	4 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-4P. Keyed Options Available.)	12	25A
	AWP-4P	4 Position, Receptacle Wedgelock, Orange	-	-
	AWP-4PA	4 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AWP-4PB	4 Position, Receptacle Wedgelock, Keyed B, Black	-	-
	AWP-4PC	4 Position, Receptacle Wedgelock, Keyed C, Green	-	-
	AWP-4PD	4 Position, Receptacle Wedgelock, Keyed D, Brown	-	-
	ATP4P-L012-GKT	Gasket For 4 Position Receptacle with Flange, Panelmate™ ATP (Use with ATP04-4P-PM01/PM02)	-	-




	ATP04-6P-PM05	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05EC	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A




























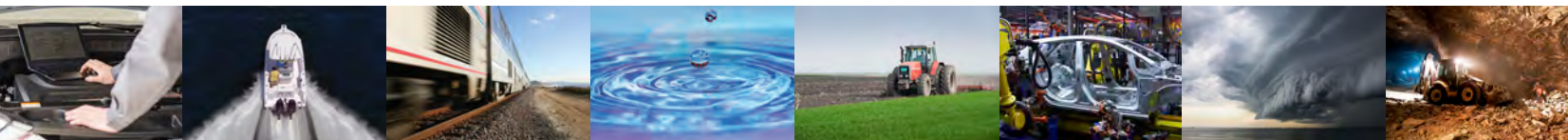
Image	Part Number	Description	Contact Size	Amp
	ATP04-6P-PM05ECBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05SR	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM05SRBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06EC	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06ECBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06SR	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM06SRBK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Threaded Insert, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM11	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM11BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM12	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM12BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM13	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM13BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM14	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A

Image	Part Number	Description	Contact Size	Amp
	ATP04-6P-PM14BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), End Cap, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM15	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM15BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM16	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Grey Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	ATP04-6P-PM16BK	6 Position, Receptacle with Flange, Pin, PanelMate™ ATP, Self-Threading, Gasket, Reduced Diameter Rear Seal (Green), Strain Relief, Black Body (Requires Wedgelock AWP-6P. Keyed Options Available.)	12	25A
	AWP-6P	6 Position, Receptacle Wedgelock, Orange	-	-
	AWP-6PA	6 Position, Receptacle Wedgelock, Keyed A, Grey	-	-
	AWP-6PB	6 Position, Receptacle Wedgelock, Keyed B, Black	-	-

PanelMate™ ATHD Receptacles

	ATHD04-1-4P-L009	Single Position, Receptacle with Inside Mount Sealed Flange, Pin, Size 4, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	4	100A
	ATHD04-1-4P-L013	Single Position, Receptacle with Outside Mount Sealed Flange, Pin, Size 4, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	4	100A
	ATHD04-1-8P-PM05	Single Position, Receptacle with Flange, Pin, Size 8, PanelMate™ ATHD, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body	8	60A
	ATHD04-1-8P-PM11	Single Position, Receptacle with Flange, Pin, Size 8, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	8	60A
	ATHD04-1-12P-PM05	Single Position, Receptacle with Flange, Pin, Size 12, PanelMate™ ATHD, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body	12	25A
	ATHD04-1-12P-PM11	Single Position, Receptacle with Flange, Pin, Size 12, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	12	25A



Field-Serviceable, Splicing Solution

Amphenol Sine Systems' **SpeedSplice™** product is our field-serviceable splicing solution which can be used to repair damaged electrical connections. Made of silicone rubber with an IP67 rating, our **SpeedSplice™** houses an environmentally-sealed, mated pair of contacts, with an **Integrated Contact Retention System**, ensuring your repairs will withstand harsh environmental conditions. For use with A Series™ Common Contacts in Size 12 & 16 Machined/Stamped & Formed. Available in individual piece or as a Kit.

Applications: Heavy Equipment, Agricultural, Automotive, Military, Alternate Energy, and other demanding interconnect applications.

Key Features

- Available in **Size 12**, 10-14AWG, 25A, 250V
- Available in **Size 16**, 14-20AWG, 13A, 250V
- Operating Temperature -55°C to +125°C

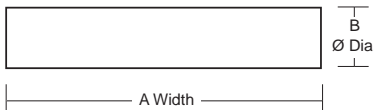


Image	Part Number	Description	AWG	Amps	A Width	B Ø Dia.	Insulation O.D. Range
	ATSS-12-00	SpeedSplice™, Size 12, Single Terminal Connection For use with Machined Contacts, such as: AT60-204-12141, AT62-203-12141, etc. For use with Stamped&Formed Contacts, such as: AT60-12-0166, AT62-12-0166, etc.	10-14	25A	62.4 mm	11.3 mm	3.40 mm - 4.30 mm (.134 in - .170 in)
	ATSS-12-KIT01	SpeedSplice™, Size 12, Single Terminal Connection, Kit (1) ATSS-12-00 SpeedSplice™ Seal (1) AT60-204-12141 Machined Male Contact (1) AT62-203-12141 Machined Female Contact	12-14	25A	62.4 mm	11.3 mm	3.40 mm - 4.32 mm (.134 in - .170 in)
	ATSS-16-00	SpeedSplice™, Size 16, Single Terminal Connection For use with Machined Contacts, such as: AT60-202-16141, AT62-201-16141, etc. For use with Stamped&Formed Contacts, such as: AT60-16-0122, AT62-16-0122, etc.	14-20	13A	62.1 mm	8.8 mm	2.54 mm - 3.40 mm (.100 in - .134 in)
	ATSS-16-KIT01	SpeedSplice™, Size 16, Single Terminal Connection, Kit (1) ATSS-16-00 SpeedSplice™ Seal (1) AT60-202-16141 Machined Male Contact (1) AT62-201-16141 Machined Female Contact	14-20	13A	62.1 mm	8.8 mm	2.54 mm - 3.40 mm (.100 in - .134 in)
	ATSS-16-KIT02	SpeedSplice™, Size 16, Single Terminal Connection, Kit (1) ATSS-16-00 SpeedSplice™ Seal (1) AT60-215-16141 Machined Male Contact (1) AT62-209-16141 Machined Female Contact	14	13A	62.1 mm	8.8 mm	2.54 mm - 3.40 mm (.100 in - .134 in)



Standard products. Custom solutions
Customer Service +1 800 394 7732

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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SP Structure+™ Family



Available in a wide variety of A Series™ product lines

Amphenol Sine Systems' **StructurePlus™ Family** of overmold compatible connectors are an **engineered, one-piece, solid body construction and are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements.** The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments. IP ratings vary depending on series. The **StructurePlus™** feature retains their respective performance characteristics for each product series.

Available in **AT, AT LED, ATP, and ATHD Series™**. All **StructurePlus™** product lines accept A Series™ components and are compatible with other industry standard mating connectors.

Key Features

- Engineered one-piece solid body construction, eliminates previously required snap-on-back shell
- Front and Rear Seals (Standard or Reduced Diameter Rear Seals Available)
- Intermatable with industry standard connectors



Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural as well as other demanding interconnect applications.

Technical Specifications

Operating Temperature	-55°C to +125°C
Current Rating	13A to 60A (See individual datasheets)
Housing/Wedge Body	Thermoplastic
Seals	Silicone Elastomer
Wire Range (AWG)	6-20AWG (See individual datasheets)
Contacts	Copper Alloy, Nickel-Plated
IP Ratings (in mated condition)	IP67, IP68 and IP69K (See individual datasheets)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Dielectric Value	Less than 2 milliamps current leakage at 1500V AC
Corrosion Resistance	No evidence of corrosion after 48 hours of salt spray per MIL-STD1344, method 1001.

Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial application.
Insulation Resistance	1000 megohms minimum 25°C
Thermal Cycle	No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C.
Physical Shock	No unlocking, unmating or other unsatisfactory results during or after 50 G's in each of three usually perpendicular planes. No electrical discontinuities longer than 1 microsecond. MIL-STD 202, Method 213, Condition "C".
Vibration	Maintains continuity and exhibits no mechanical or physical damage after vibration levels of 20 G's at 10-2000 Hz.
Mating Cycles	>100

IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)
 IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
 IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

A Series™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732

StructurePlus™ AT - Plugs (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)
















Image	Part Number	Description	Size	Amp
	AT06-2S-OMBLK	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDBLK	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMBLU	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDBLU	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMBRN	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDBRN	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMGRN	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDGRN	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMGRY	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDGRY	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRED	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDRED	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMWHT	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMRDWHT	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AT06-2S-OMYEL	2 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A


















Image	Part Number	Description	Size	Amp
	AT06-2S-OMRDYEL	2 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AW2S. Keyed Options Available.)	16	13A
	AW2S	2 Position, Plug Wedgelock, AT Series™, Green Body	-	-
	AW2S-A	2 Position, Plug Wedgelock, AT Series™, Keyed A, Grey Body	-	-
	AW2S-B	2 Position, Plug Wedgelock, AT Series™, Keyed B, Black Body	-	-
	AW2S-C	2 Position, Plug Wedgelock, AT Series™, Keyed C, Green Body	-	-
	AW2S-D	2 Position, Plug Wedgelock, AT Series™, Keyed D, Brown Body	-	-
	AT06-3S-OMBLK	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDBLK	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMBLU	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDBLU	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMBRN	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDBRN	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMGRN	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDGRN	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMGRY	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDGRY	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRED	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AW3S.)	16	13A
















Image	Part Number	Description	Size	Amp
	AT06-3S-OMRDRED	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMWHT	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDWHT	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMYEL	3 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AW3S.)	16	13A
	AT06-3S-OMRDYEL	3 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AW3S.)	16	13A
	AW3S	3 Position, Plug Wedgelock, AT Series™, Green Body	-	-
	AT06-4S-OMBLK	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDBLK	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMBLU	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDBLU	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMBRN	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDBRN	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMGRN	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDGRN	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMGRY	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A















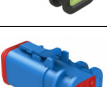
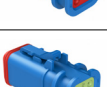
Image	Part Number	Description	Size	Amp
	AT06-4S-OMRDWHT	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRED	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDRED	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMWHT	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDWHT	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMYEL	4 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AT06-4S-OMRDYEL	4 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AW4S. Keyed Options Available.)	16	13A
	AW4S	4 Position, Plug Wedgelock, AT Series™, Green Body	-	-
	AW4S-A	4 Position, Plug Wedgelock, AT Series™, Keyed A, Grey Body	-	-
	AW4S-B	4 Position, Plug Wedgelock, AT Series™, Keyed B, Black Body	-	-
	AW4S-C	4 Position, Plug Wedgelock, AT Series™, Keyed C, Green Body	-	-
	AW4S-D	4 Position, Plug Wedgelock, AT Series™, Keyed D, Brown Body	-	-
	AT06-6S-OMBLK	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDBLK	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMBLU	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDBLU	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A




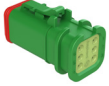












Image	Part Number	Description	Size	Amp
	AT06-6S-OMBRN	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDBRN	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMGRN	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDGRN	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMGRY	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDGRY	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRED	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDRED	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMWHT	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDWHT	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMYEL	6 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AT06-6S-OMRDYEL	6 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AW6S. Keyed Options Available.)	16	13A
	AW6S	6 Position, Plug Wedgelock, AT Series™, Green Body	-	-
	AW6S-2BLU	6 Position, Plug Wedgelock, AT Series™, Keyed 2, Blue Body	-	-
	AT06-08SA-OMGRY	8 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SA-OMRDGRY	8 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW8S.)	16	13A


















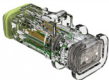


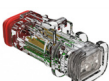





Image	Part Number	Description	Size	Amp
	AT06-08SB-OMBLK	8 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SB-OMRDBLK	8 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SC-OMGRN	8 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SC-OMRDGRN	8 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SD-OMBRN	8 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AW8S.)	16	13A
	AT06-08SD-OMRDBRN	8 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AW8S.)	16	13A
	AW8S	8 Position, Plug Wedgelock, AT Series™, Green Body	-	-
	AT06-12SA-OMGRY	12 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SA-OMRDGRY	12 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SB-OMBLK	12 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SB-OMRDBLK	12 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SC-OMGRN	12 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SC-OMRDGRN	12 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SD-OMBRN	12 Position, Plug, Socket, StructurePlus™ AT, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AW12S.)	16	13A
	AT06-12SD-OMRDBRN	12 Position, Plug, Socket, StructurePlus™ AT, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AW12S.)	16	13A

Image	Part Number	Description	Size	Amp
	AW12S	12 Position, Plug Wedgelock, AT Series™, Green Body	-	-

StructurePlus™ AT LED - Plugs (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

	AT06-2S-LED1224V-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V or 24V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED1224VR-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V or 24V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED12V01-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED12VR1-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 12V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED24V01-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 24V, RVP Circuit, Standard Diameter Rear Seal (Red), Green LED, Clear Body (Requires Wedgelock AW2S-LED)	16	13A
	AT06-2S-LED24VR1-OMC	2 Position, Plug, Socket, Structure Plus™ AT LED, 24V, RVP Circuit, Reduced Diameter Rear Seal (Green), Green LED, Clear Body, (Requires Wedgelock AW2S-LED)	16	13A
	AW2S-LED	2 Position, Plug Wedgelock, AT Series™ LED, Black Body	-	-

StructurePlus™ ATHD - Plugs (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)

	ATHD06-1-4S-OM	1 Position, Plug, Socket, StructurePlus™ ATHD, Black Body	4	100A
	ATHD06-1-8S-OM	1 Position, Plug, Socket, StructurePlus™ ATHD, Black Body	8	60A
	ATHD06-1-12S-OM	1 Position, Plug, Socket, StructurePlus™ ATHD, Black Body	12	25A

StructurePlus™ ATP - Plugs (See individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.)




	ATP06-2S-OMGRY	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMBLK	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMBLU	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
















Image	Part Number	Description	Size	Amp
	ATP06-2S-OMBRN	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMGRN	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRED	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMWHT	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMYEL	2 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDGRY	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDBLK	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDBLU	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDBRN	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDGRN	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDRED	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDWHT	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	ATP06-2S-OMRDYEL	2 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AWP-2S. Keyed Options Available.)	12	25A
	AWP-2S	2 Position, Plug Wedgelock, ATP Series™, Orange Body	-	-
	AWP-2SA	2 Position, Plug Wedgelock, ATP Series™, Keyed A, Grey Body	-	-
















Image	Part Number	Description	Size	Amp
	AWP-2SB	2 Position, Plug Wedgelock, ATP Series™, Keyed B, Black Body	-	-
	AWP-2SC	2 Position, Plug Wedgelock, ATP Series™, Keyed C, Green Body	-	-
	AWP-2SD	2 Position, Plug Wedgelock, ATP Series™, Keyed D, Brown body	-	-
	ATP06-4S-OMGRY	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMBLK	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMBLU	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMBRN	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMGRN	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRED	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMWHT	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMYEL	4 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDGRY	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDBLK	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDBLU	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDBRN	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A





























Image	Part Number	Description	Size	Amp
	ATP06-4S-OMRDGRN	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDRED	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDWHT	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	ATP06-4S-OMRDYEL	4 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AWP-4S. Keyed Options Available.)	12	25A
	AWP-4S	2 Position, Plug Wedgelock, ATP Series™, Orange Body	-	-
	AWP-4SA	4 Position, Plug Wedgelock, ATP Series™, Keyed A, Grey Body	-	-
	AWP-4SB	4 Position, Plug Wedgelock, ATP Series™, Keyed B, Black Body	-	-
	AWP-4SC	4 Position, Plug Wedgelock, ATP Series™, Keyed C, Green Body	-	-
	AWP-4SD	4 Position, Plug Wedgelock, ATP Series™, Keyed D, Brown body	-	-
	ATP06-6S-OMBLK	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDBLK	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Black Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMBLU	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Blue Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDBLU	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Blue Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMBRN	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Brown Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDBRN	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Brown Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMGRN	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Green Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A

Image	Part Number	Description	Size	Amp
	ATP06-6S-OMRDGRN	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Green Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMGRY	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDGRY	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Grey Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRED	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Red Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDRED	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Red Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMWHT	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), White Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDWHT	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), White Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMYEL	6 Position, Plug, Socket, StructurePlus™ ATP, Standard Diameter Rear Seal (Red), Yellow Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	ATP06-6S-OMRDYEL	6 Position, Plug, Socket, StructurePlus™ ATP, Reduced Diameter Rear Seal (Green), Yellow Body (Requires Wedgelock AWP-6S. Keyed Options Available.)	12	25A
	AWP-6S	6 Position, Plug Wedgelock, ATP Series™, Orange Body	-	-
	AWP-6SA	6 Position, Plug Wedgelock, ATP Series™, Keyed A, Grey Body	-	-
	AWP-6SB	6 Position, Plug Wedgelock, ATP Series™, Keyed B, Black Body	-	-