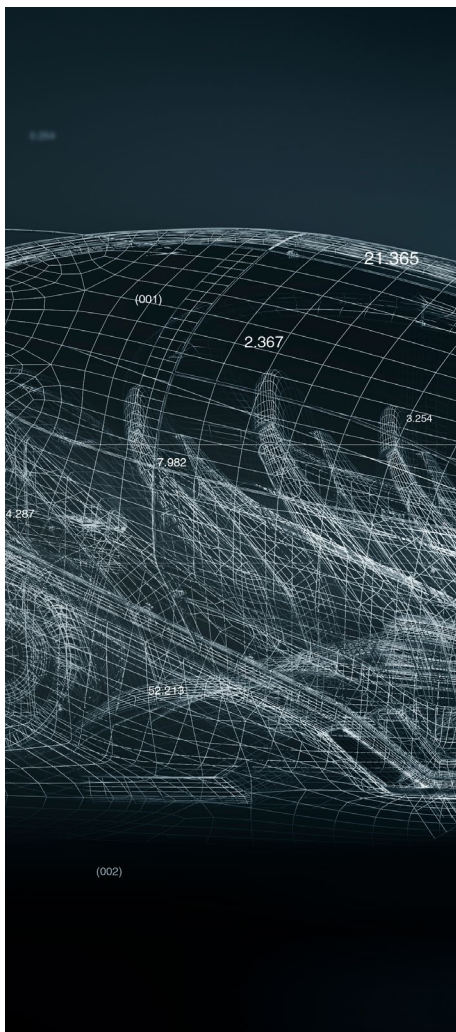


NanoMQS / MCON 0.50 PORTFOLIO

MINIATURIZED AUTOMOTIVE CONNECTION SYSTEMS



INNOVATIVE TECHNOLOGIES

TE Connectivity (TE) is a leader in automotive connectivity and sensor technology. Our engineers are always working to meet complex requirements. We connect nearly every electronic function in the vehicle – from alternative power systems to data connectivity and sensor technologies. Our technologies withstand harsh environments and tolerate high temperature, vibration, shock, pressure and long-life in electronic control systems.



INTERCONNECTION SYSTEMS

Our electrical and electronic interconnection products and solutions are used to electrically and mechanically connect wires and cables, printed circuit boards, integrated circuit packages, batteries and more.



HYBRID & ELECTRIC MOBILITY SOLUTIONS

Our technologies leverage decades of innovation and experience with high-voltage transmission and distribution. Our hybrid and electric mobility solutions include a complete line of connectors, terminals, sensors, cable assemblies, contactors, and battery connection protection to help safeguard the flow of power in hybrid and electric vehicles.



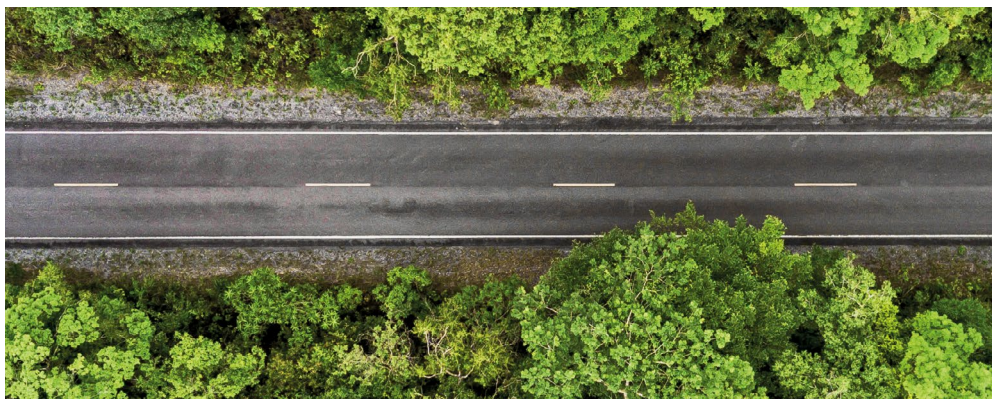
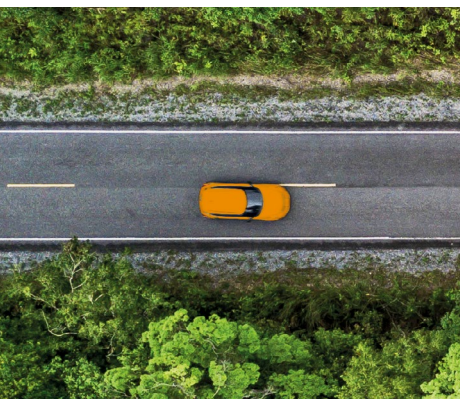
DATA CONNECTIVITY

Our wide range of data connectivity solutions are ideal for consumer port connections, high data rate applications, next-generation harness architecture, board-to-board connections and vehicle-to-vehicle communication.



WIRELESS

HIRSCHMANN MOBILITY Wireless Solutions enable high-performance signal reception and transmission for vehicles. We offer customized antenna systems as well as radio tuner systems for all common global standards. Together with the TE connectors solutions we provide One-Stop-Connectivity Solutions with components along the signal chain that are optimized and compatible with each other to provide best signal quality and real-time data.



SENSOR SOLUTIONS

Customers rely on our sensor technology to provide data for control, adaptation and response of vehicle functions and features that increase safety, comfort, efficiency, and more. We collaborate to provide solutions for demanding and harsh applications such as automated transmissions, engines, chassis, clutch, brake and exhaust. Our products can be found in vehicles traveling the world's roads and highways.



CABLE ASSEMBLY

TE is your partner for vehicle-specific cable assemblies. We offer research and development capabilities, prototypes and samples, as well as manufacturing facilities.



RELAYS

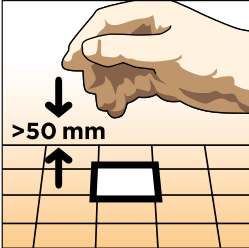
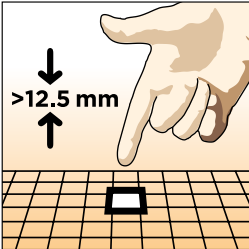
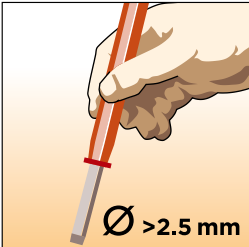
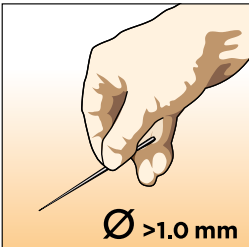
From passenger comfort and infotainment to higher DC voltages and power levels to harsh environments, our relays and contactors provide critical switching functions in multiple vehicle applications. With increased contact gaps and other key design features, our relays are ideal for harsh environments such as shock and vibration.



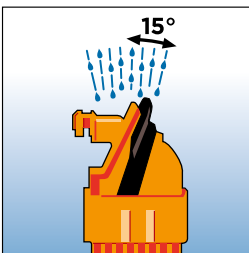
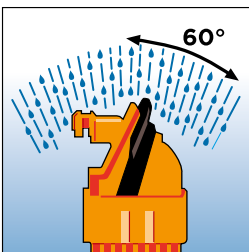
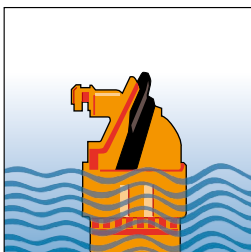
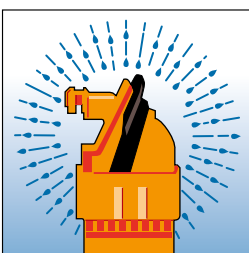
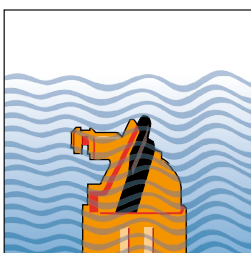
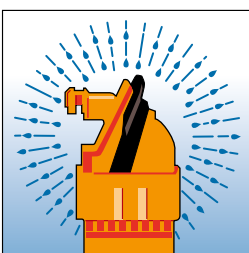
APPLICATION TOOLING

Ensuring a quality connection is essential to delivering high performance and reliability in extreme environments. From crimping a terminal onto a wire or pressing a connector onto a board, our equipment and services are designed to maximize production uptime, extend tooling life and minimize manufacturing waste.

IP Code | Elements and Significance acc. to IEC 60529 and DIN 40050

1st Digit	Against Foreign Objects (incl. Dust)	1st Digit	Against Foreign Objects (incl. Dust)
0	 Not protected.	5K	 Dust protected.
1	 Protected against solid objects greater than 50 mm (ex. back of hand).	6K	 Dust tight.
2	 Protected against solid objects greater than 12.5 mm (ex. finger).		
3	 Protected against solid objects greater than 2.5 mm (ex. tool).		
4	 Protected against solid objects greater than 1.0 mm (ex. wire).		

IP Code | Elements and Significance acc. to IEC 60529 and DIN 40050

2nd Digit	Against Water	2nd Digit	Against Water
0	 Not protected.	5	 Protected against jetting water.
1	 Protected against vertically dripping water.	6	 Protected against powerfully jetting water.
2	 Protected against dripping water when tilted up to 15°.	6K	 Protected against powerfully jetting water with increased pressure (Automotive).
3	 Protected against spraying water (up to 60° inclination).	7	 Protected against the temporary effects of immersion up to 1 meter.
4	 Protected against splashing water.	8	 Protected against continuous submersion agreed with customer, but more severe than code 7.
4K	 Protected against splashing water with increased pressure.	9K	 Protected against high-pressure/steam-jet cleaning (Automotive).

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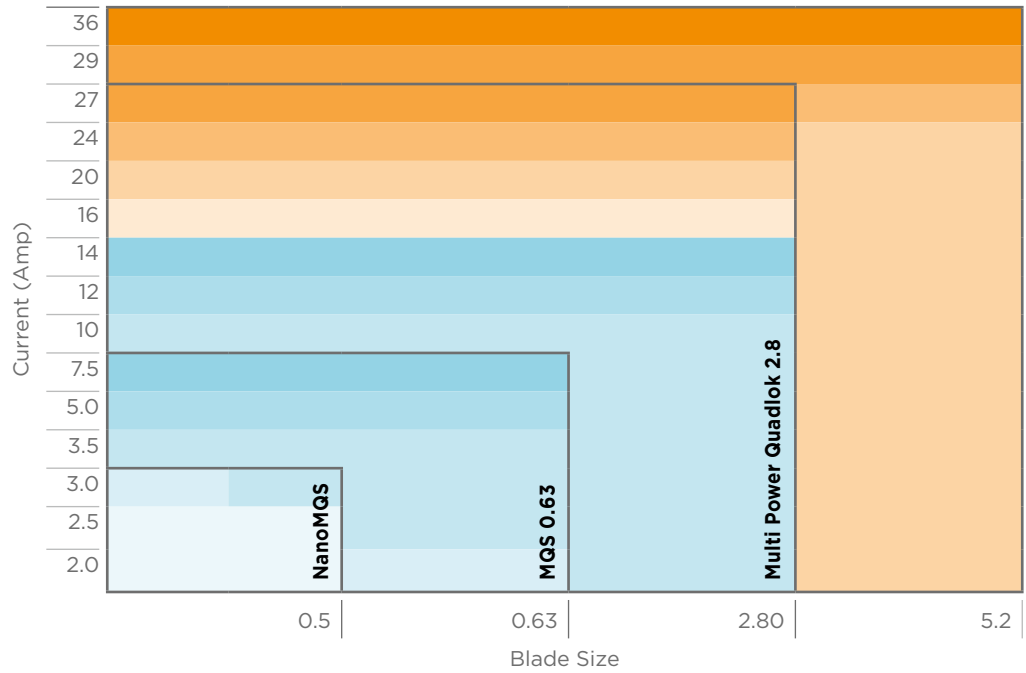
Blade Size vs. Current

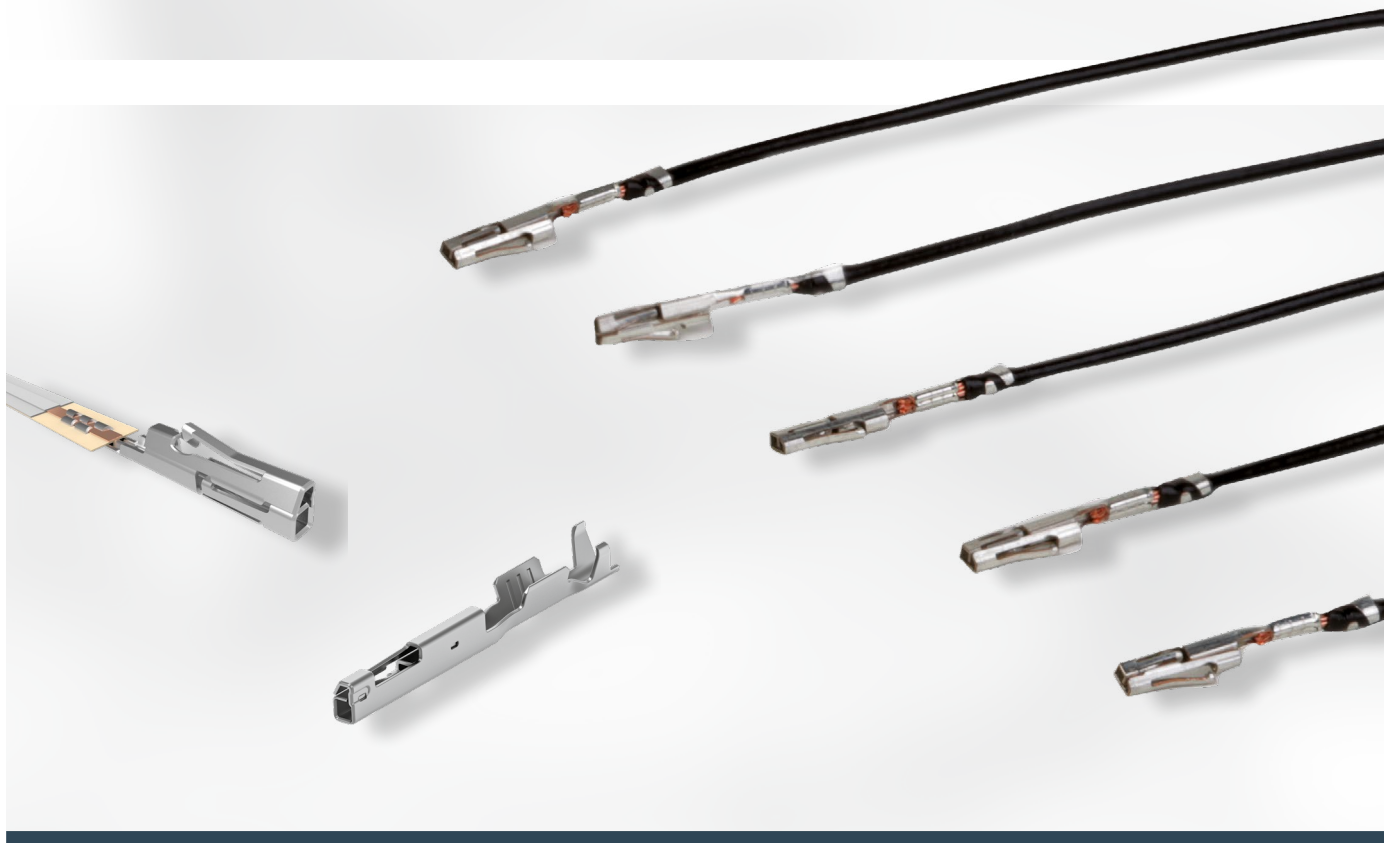
Wire Size

- 6.00 mm²
- 4.00 mm²
- 2.50 mm²
- 1.50 mm²
- 1.00 mm²
- 0.75 mm²
- 0.50 mm²
- 0.35 mm²
- 0.20/0.22 mm²
- 0.13/0.17 mm²

Temperature

Depending on Wire Size 85°C+





Miniaturization Terminals

Miniaturization	1.8 mm pin-to-pin pitch 0.5 x 0.4 mm blade size
Flexibility	0.13 to 0.35 mm ² compatible wire sizes Flexible Flat Cables (FFC) / Flexible Printed Cables (FPC) compatibility
Automotive-robust Performance	Current capacity of 3A Max. temperature: 170°C (Ag-plated) SG2 vibration grade (unsealed applications) SG4 vibration grade (sealed applications) Automotive-standards conform
Wide Portfolio	Locking lance design Clean body terminal Different surfaces available: Sn-, Ag- and Au-plated



Technical Features

Contact Material:

CuNiSi/CuSn

Surface Contact Area:

Tin plated: 0.8-2.2 μm Sn

Silver plated: 1.6-5 μm Ag

Gold plated: min 0.8 μm Au

Wire Size Range:

0.13-0.35 mm²

Current Carrying Capacity:

Up to 3 A at 90°C (CuSn, Sn)

Up to 3A at 125°C (CuNiSi, Sn)

Up to 3A at 160°C (Ag)

Up to 3A at 140°C (Au)

Temperature Range:

-40°C ... +105°C (tin plated)

-40°C ... +170°C (silver plated)

-40°C ... +130°C (CuNiSi,
tin plated)

-40°C ... +150°C (gold plated)

Cycles:

20 tin plated

50 silver plated

100 gold plated

Application Specification:

114-18858

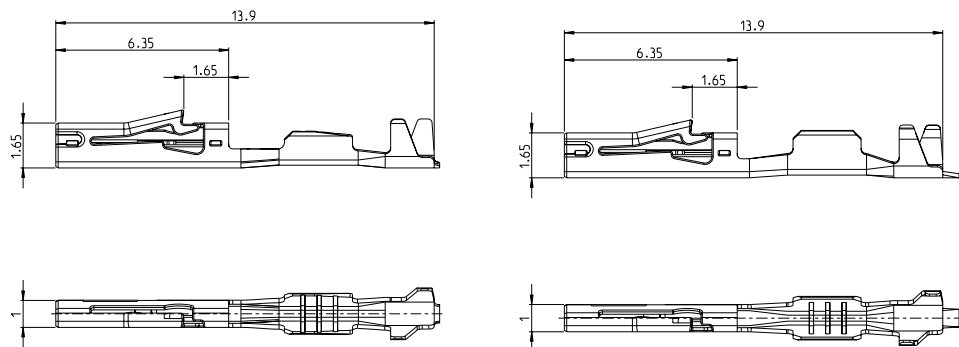
Product Specification:

108-94099

Mating Tab Contact
see page 10



Receptacle Contacts



Wire Size Range (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Numbers	
			Mating Tab Contact	Strip Form
0.13 - 0.17	max. 1.1	CuNiSi, silver plated	2236905-3	1-1703930-2
		CuSn, tin plated	2236905-1	1-1703930-1
		CuNiSi, tin plated	1-2236905-1	2-1703930-4
0.22 - 0.35	0.95 - 1.2	CuNiSi, silver plated	1-2236905-3	2-1703930-2
		CuSn, tin plated	1-2236905-1	2-1703930-1
		CuNiSi, gold plated	./.	2-1703930-3
		CuNiSi, tin plated	1-2236905-1	2-1703930-4
		CuNiSi, silver plated	1-2236905-3	2-1703930-2
0.35	min. 1.2 max. 1.3	CuSn, tin plated	1-2236905-1	2-1703930-1
		CuNiSi, gold plated	./.	2-1703930-3

Selecting an Applicator Online:

www.te.com/usa-en/products/application-tooling/mini-applicator-parts-search.html

Selecting Applicator Replaceable Tooling Online:

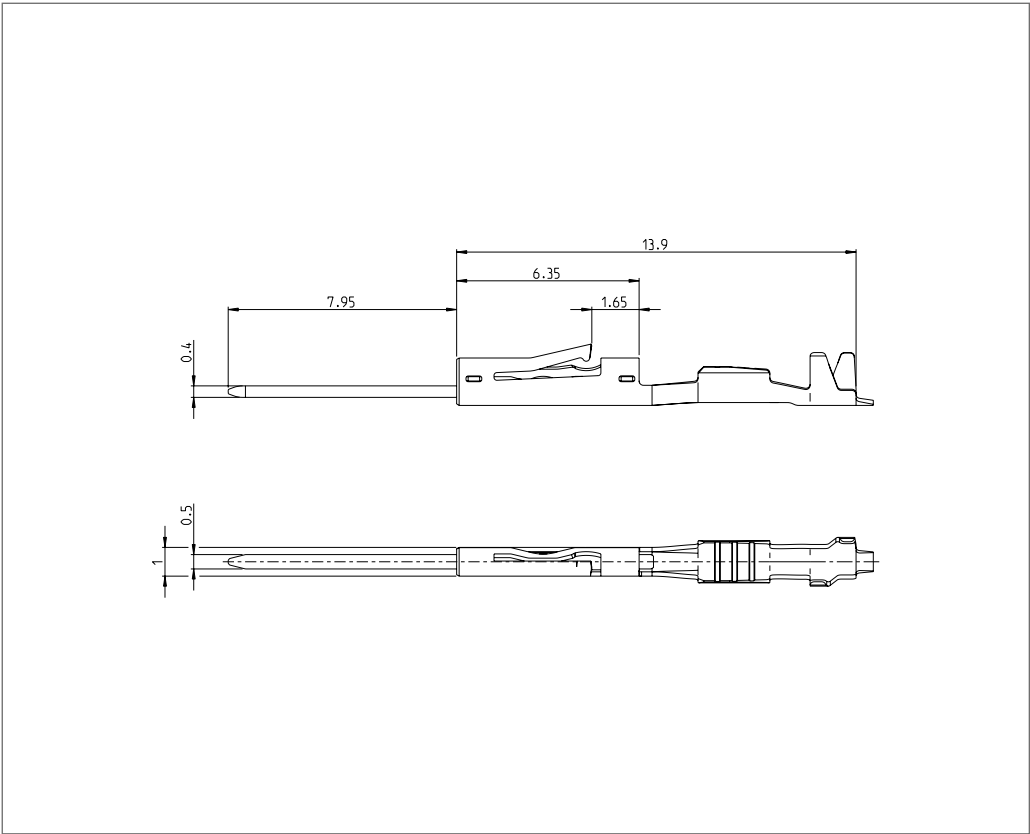
www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html



Technical Features

- Contact Material:**
CuSn
- Surface Contact Area:**
Tin plated: 1-3 µm Sn
Silver plated: 2-4 µm Ag
- Wire Size Range:**
0.13-0.35 mm²
- Current Carrying Capacity:**
Up to 3 A at 90°C
- Temperature Range:**
-40°C ... +105°C (tin plated)
-40°C ... +170°C (silver plated)
- Cycles:**
20 tin plated
50 silver plated
- Application Specification:**
114-94288
- Product Specification:**
108-94099

Tab Contacts



Wire Size Range (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Numbers	
			Mating Tab Contact	Strip Form
0.13 - 0.17	0.85 - 1.10	CuSn, tin plated	1-1703930-1	2236905-1
		CuNiSi, silver plated	1-1703930-2	2236905-3
0.22 - 0.35	0.95 - 1.30	CuSn, tin plated	2-1703930-1	1-2236905-1
		CuNiSi, silver plated	2-1703930-2	1-2236905-3
0.35	1.20 - 1.30	CuSn, tin plated	2-1703930-1	1-2236905-1
		CuNiSi, silver plated	2-1703930-2	1-2236905-3

Mating Tab Contact
see page 9



Selecting an Applicator Online:
www.te.com/usa-en/products/application-tooling/mini-applicator-parts-search.html

Selecting Applicator Replaceable Tooling Online:
www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html



Technical Features

Contact Material:

CuNiSi

Contact Finish:

Tin Plated: 0.8 - 2.2 μm Sn

Silver Plated: 1.6-5 μm Ag

Gold Plated: min 0.8 μm Au

Wire Size Range:

0.13-0.35 mm²

Current Carrying Capacity:

Up to 3A at 125°C (CuNiSi, Sn)

Up to 3A at 160°C (Ag)

Up to 3A at 140°C (Au)

Temperature Range:

-40°C ... +130°C (CuNiSi,

tin plated)

-40°C ... +170°C (silver plated)

-40°C ... +150°C (gold plated)

Mating Cycles:

20 tin plated

50 silver plated

100 gold plated

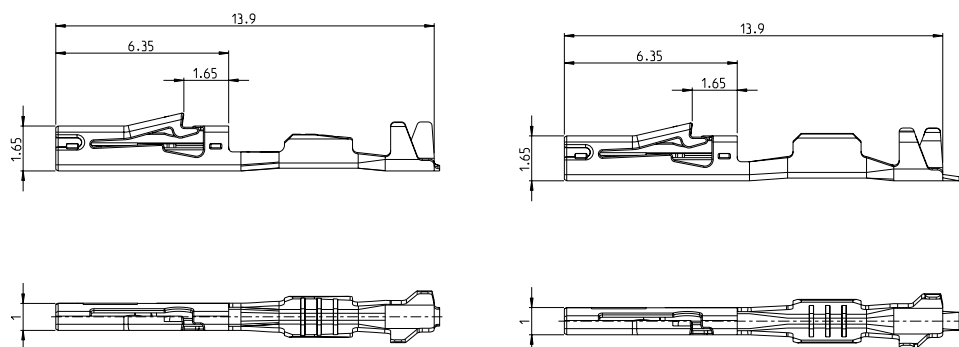
Product Specification:

108-94099

Application Specification:

114-18858

NanoMQS crimp-optimized



Wire Size Range (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Number
			Strip Form
0.22-0.35	0.95-1.2	CuNiSi, tin plated	4-1703930-4
		CuNiSi, silver plated	4-1703930-2
		CuNiSi, gold plated	4-1703930-3
0.35	min 1.2 max. 1.3	CuNiSi, tin plated	4-1703930-4
		CuNiSi, silver plated	4-1703930-2
		CuNiSi, gold plated	4-1703930-3

Selecting an Applicator Online:

www.te.com/usa-en/products/application-tooling/mini-applicator-parts-search.html

Selecting Applicator Replaceable Tooling Online:

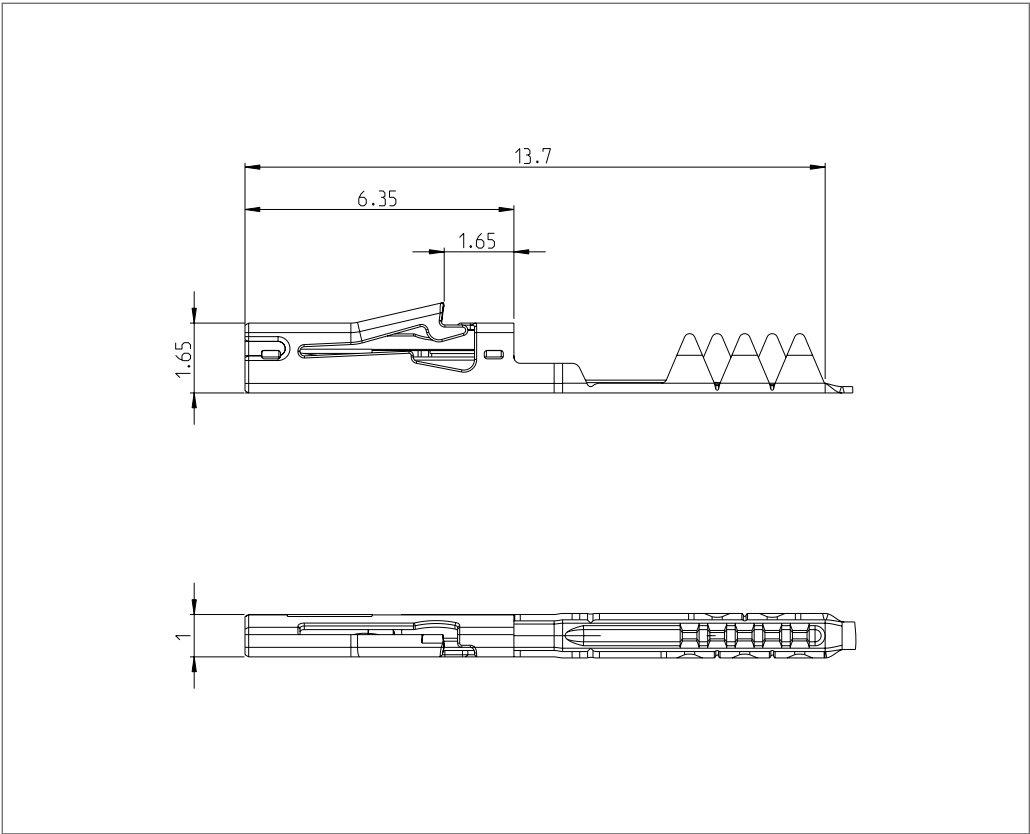
www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html



Technical Features

- Contact Material:**
CuSn
- Contact Finish:**
Tin plated: 0.8 - 2.2 µm Sn
- Wire Size Range:**
Flexible Foils i.e. FFC or FPC
For details, please see
Application Specification
- Current Carrying Capacity:**
Up to 1A at 100°C
- Temperature Range:**
-40°C ... +105°C
- Mating Cycles:**
20 tin plated
- Product Specification:**
108-94489
- Application Specification:**
114-94383

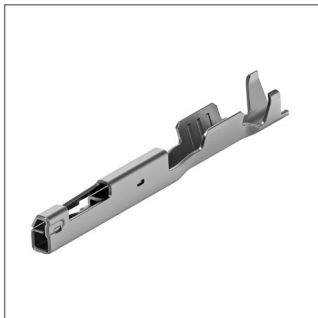
NanoMQS FFC/FPC Terminal



Wire Size Range (mm²)	Material and Finish	Part Number
		Strip Form
FFC or FPC according to Application Specification	CuSn, tin plated	1-2291853-1

Selecting an Applicator Online:
www.te.com/usa-en/products/application-tooling/mini-applicator-parts-search.html

Selecting Applicator Replaceable Tooling Online:
www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html



MCON 0.50 Terminal

Technical Features

Contact Material:

CuNiSi/CuSn

Contact Finish:

Tin Plated: 0.8 - 2.2 μm Sn

Silver Plated: 1.6-5 μm Ag

Gold Plated: min 0.8 μm Au

Wire Size Range:

0.13-0.35 mm²

Current Carrying Capacity:

Up to 3A at 90°C (CuSn, Sn)

Up to 3A at 125°C (CuNiSi, Sn)

Up to 3A at 160°C (Ag)

Up to 3A at 140°C (Au)

Temperature Range:

-40°C ... +105°C (CuSn,
tin plated)

-40°C ... +130°C (CuNiSi,
tin plated)

-40°C ... +170°C (silver plated)

-40°C ... +150°C (gold plated)

Mating Cycles:

20 tin plated

50 silver plated

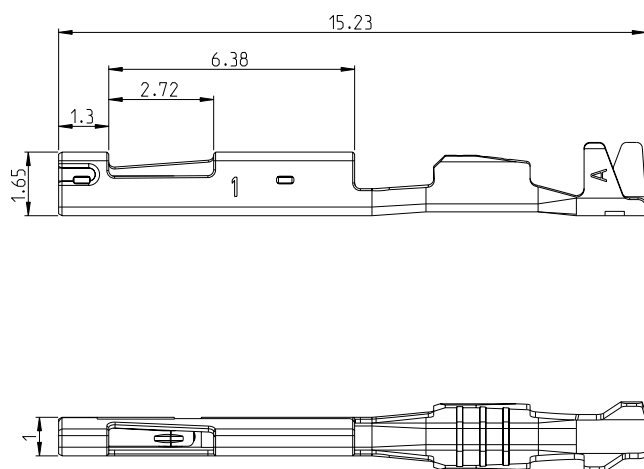
100 gold plated

Product Specification:

108-94342

Application Specification:

114-94191



Wire Size Range (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Number
			Strip Form
0.13-0.17	max 1.1	CuSn, tin plated	0-2177908-1
		CuNiSi, tin plated	1-2177908-1
		CuNiSi, silver plated	0-2177908-3
		CuNiSi, gold plated	1-2177908-2
0.22-0.35	0.95-1.2	CuSn, tin plated	0-2177909-1
		CuNiSi, tin plated	1-2177909-1
		CuNiSi, silver plated	0-2177909-3
		CuNiSi, gold plated	1-2177909-2
0.35	min 1.2 max. 1.3	CuSn, tin plated	0-2177909-1
		CuNiSi, tin plated	1-2177909-1
		CuNiSi, silver plated	0-2177909-3
		CuNiSi, gold plated	1-2177909-2

Selecting an Applicator Online:

www.te.com/usa-en/products/application-tooling/mini-applicator-parts-search.html

Selecting Applicator Replaceable Tooling Online:

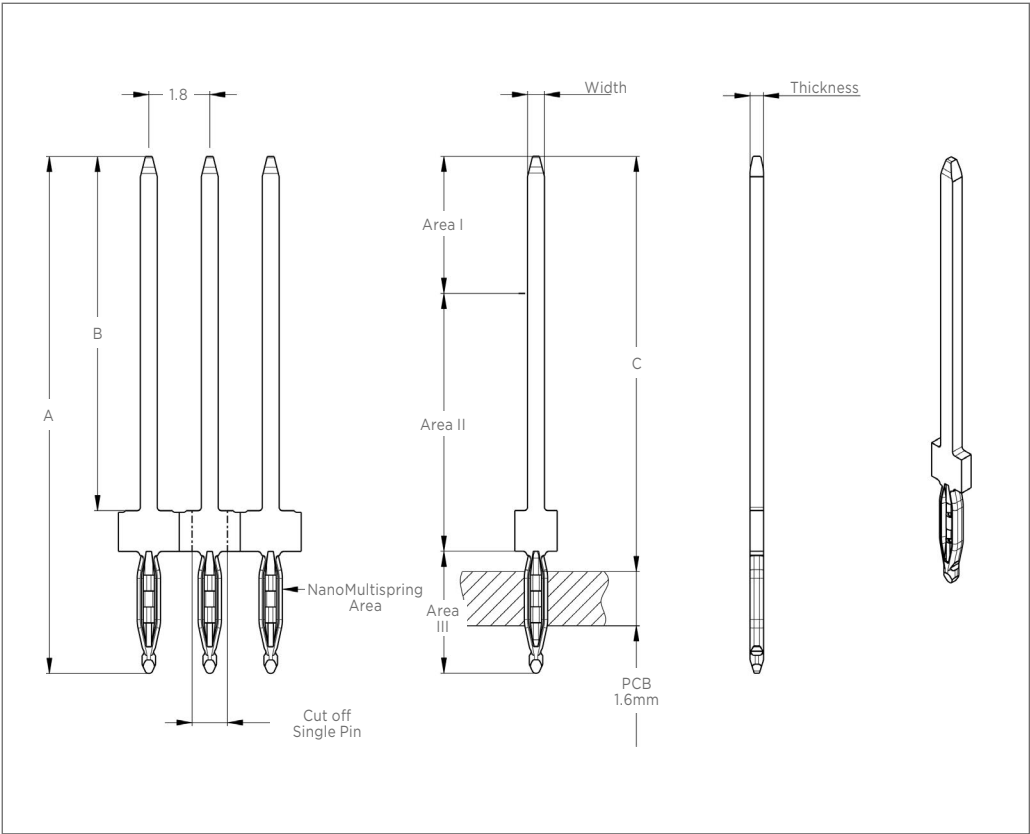
www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html



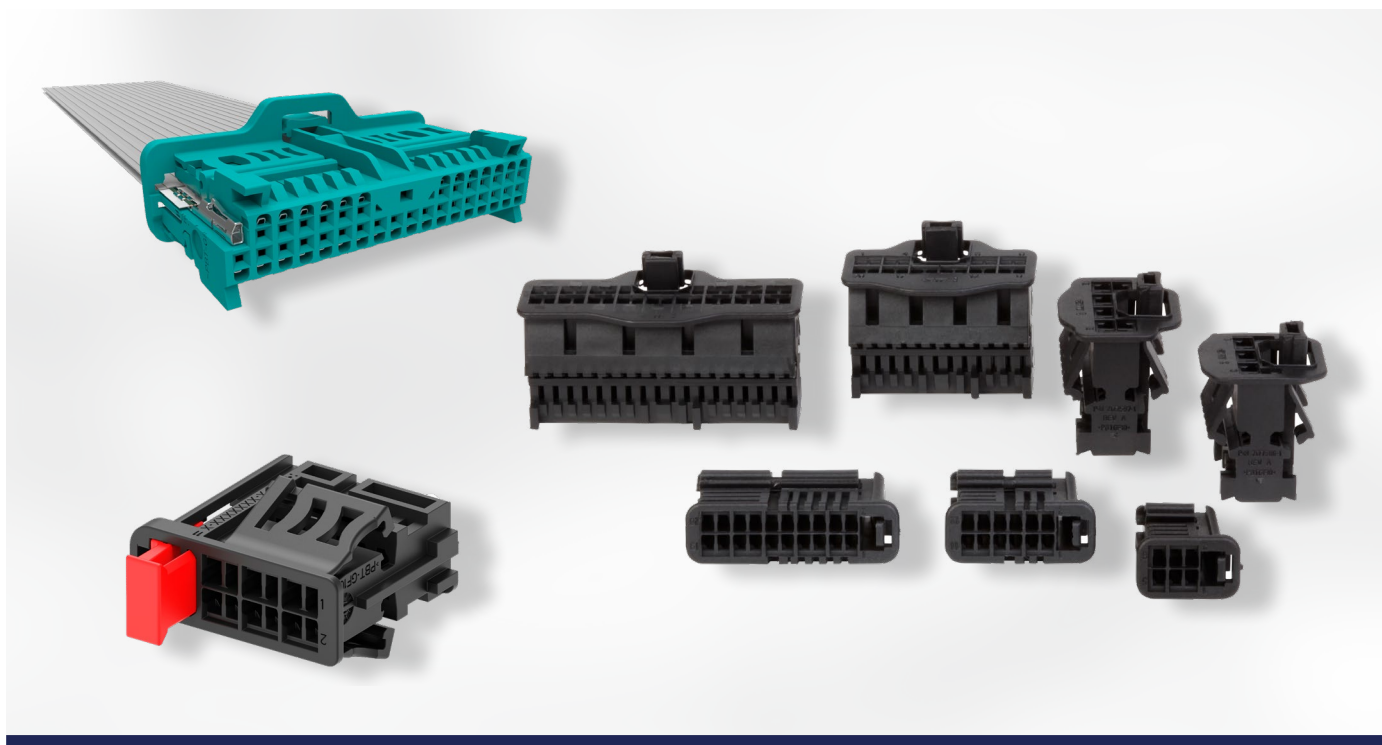
Technical Features

- Press-Fit Zone:
NanoMultispring
- Material Thickness:
0.4 mm
- Total Temperature Range:
-40°C ... +125°C
- Insertion Force:
Max 100 N
- Push-out Force:
Min 20 N
- Product Drawing:
2282347
- Product Requirements:
IEC 60352-5 / TE 108-90836
- Product Specification:
TE 108-90836

NanoMultispring Press-Fit Pin



Dimension Area I, Contact Tab Area (mm)	Dimensions (mm)			Nominal PCB Hole Diameter (mm)	Material	Finish Area I, Contact Tab Area	Finish Area III, Press-Fit Area	Part Number	Mating Receptacle Contact
	Width x Thickness	A	B						
0.5 x 0.4	13.70	8.90	12.25	0.6	CuSn6	Sn	Sn	2282347-1	x-1703930-x
									x-2177908-x
									x-2177909-x
0.5 x 0.4	12.80	8.00	11.35	0.6	CuSn6	Sn	Sn	2282347-2	x-1703930-x
									x-2177908-x
									x-2177909-x
0.5 x 0.4	11.65	6.85	8.30	0.6	CuSn6	Sn	Sn	2282347-3	x-1703930-x
									x-2177908-x
									x-2177909-x



Miniaturization Top/Side Latch Unsealed

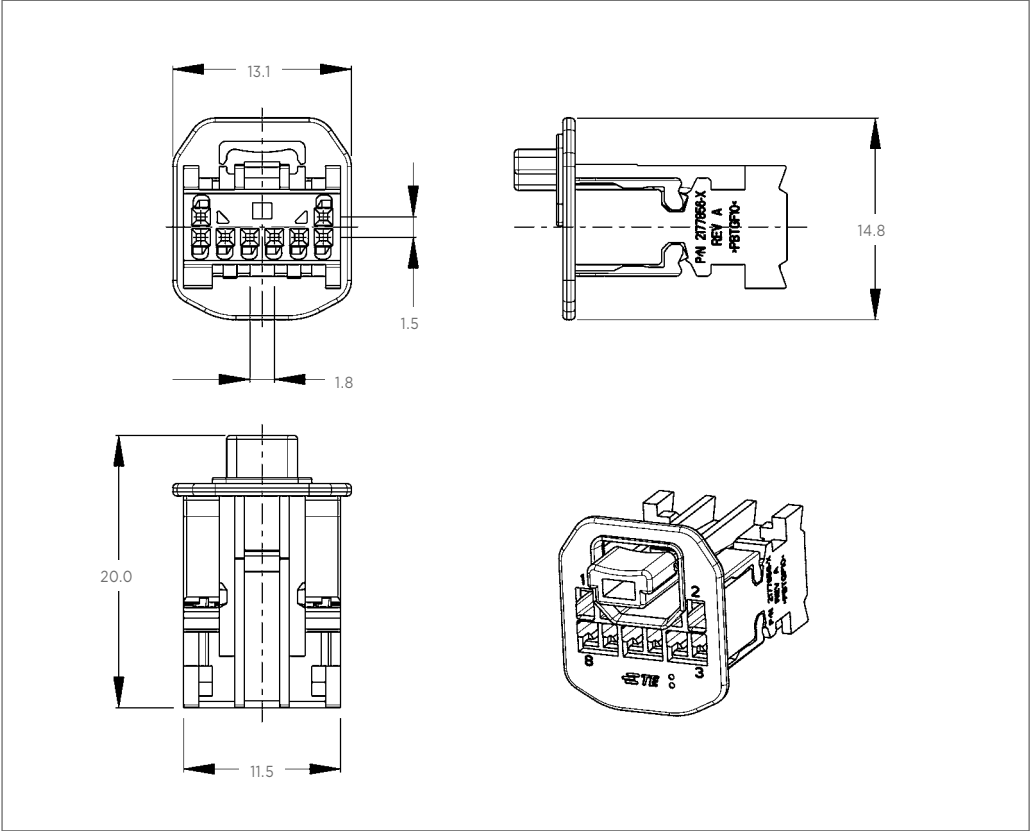
Flexibility	0.13 to 0.35 mm ² compatible wire sizes Flexible Flat Cables (FFC) / Flexible Printed Cables (FPC) compatibility
Automotive-robust Performance	SG2 vibration grade (unsealed applications) Automotive-standards conform Standard automotive interface
Wide Portfolio	Available in top- and side latch versions Available in 1- and 2-row versions Available with and without CPA versions Top-Latch: 8, 12, 20 and 32 positions Side-Latch: 2 up to 20 positions



Technical Features

- No. of Positions:
8 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-20315
- Application Specification:
114-94033
- Extraction Tool
1355968-1

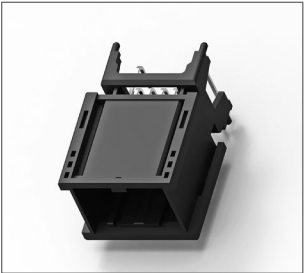
Receptacle Housings - 8 Positions



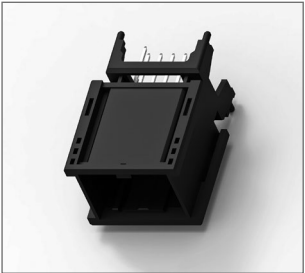
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2177586-1	N/A	N/A	N/A	N/A	0-2177372-3	0-2177768-3	x-1703930-x
Coding B	Natural	2177586-2					1-2177372-3	1-2177768-3	
Coding C	Gray	2177586-3*					2-2177372-3*	2-2177768-3*	
Coding D	Black	2177586-4*					3-2177372-3*	3-2177768-3*	

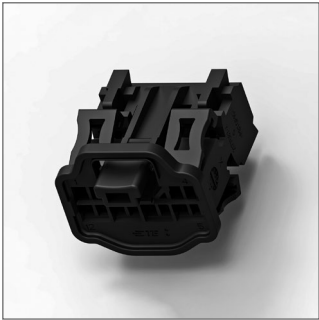
* on request

Mating Header Connector
Right Angle see page 80



Mating Header Connector
Vertical see page 84

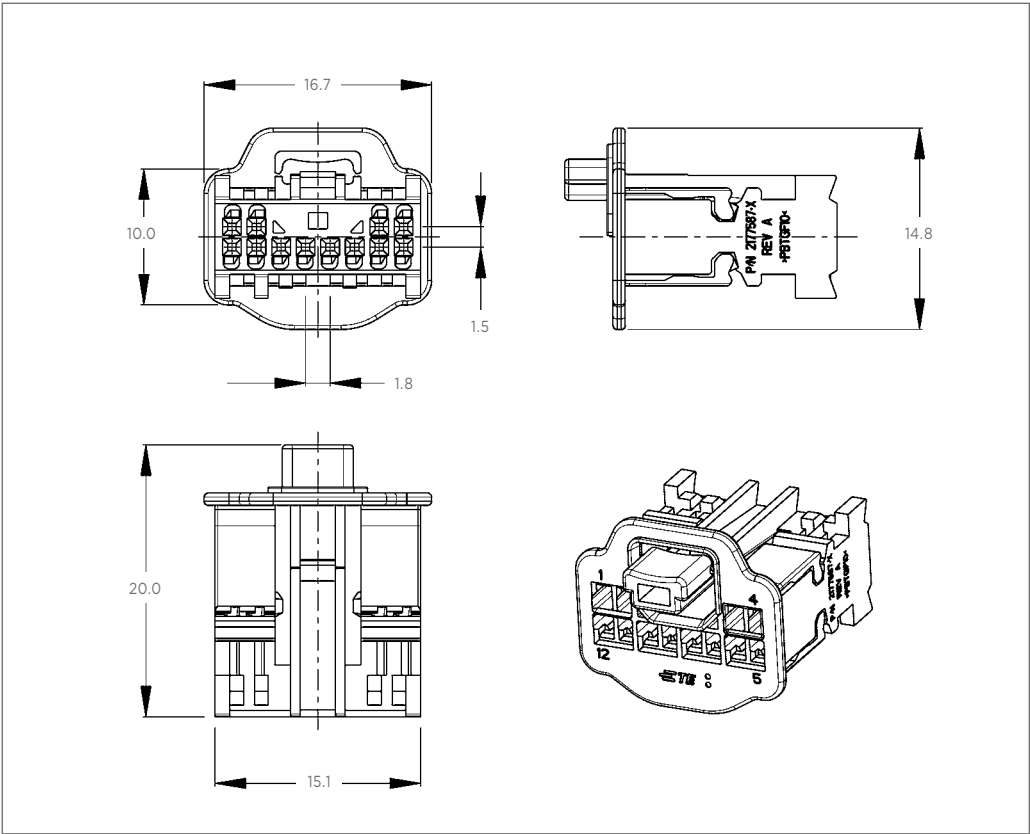




Technical Features

- No. of Positions:
12 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-20315
- Application Specification:
114-94033
- Extraction Tool
1355968-1

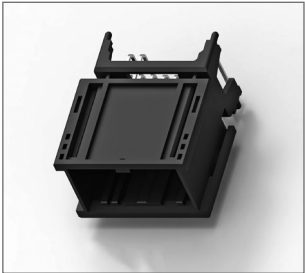
Receptacle Housings - 12 Positions



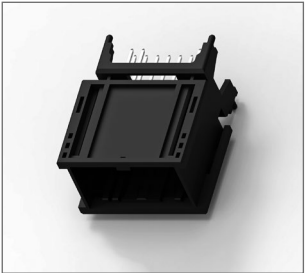
Keying Options	Housing Color	Part Numbers						Mating PCB Headers		Contacts
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing		Right Angle	Vertical	
Coding A	Black	2177587-1	N/A	N/A	N/A	N/A		0-2177370-3	0-2177767-3	x-1703930-x
Coding B	Natural	2177587-2						1-2177370-3	1-2177767-3	
Coding C	Gray	2177587-3*						2-2177370-3*	2-2177767-3*	
Coding D	Black	2177587-4*						3-2177370-3*	3-2177767-3*	

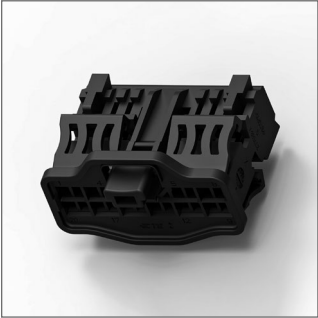
* on request

Mating Header Connector
Right Angle see page 81



Mating Header Connector
Vertical see page 85

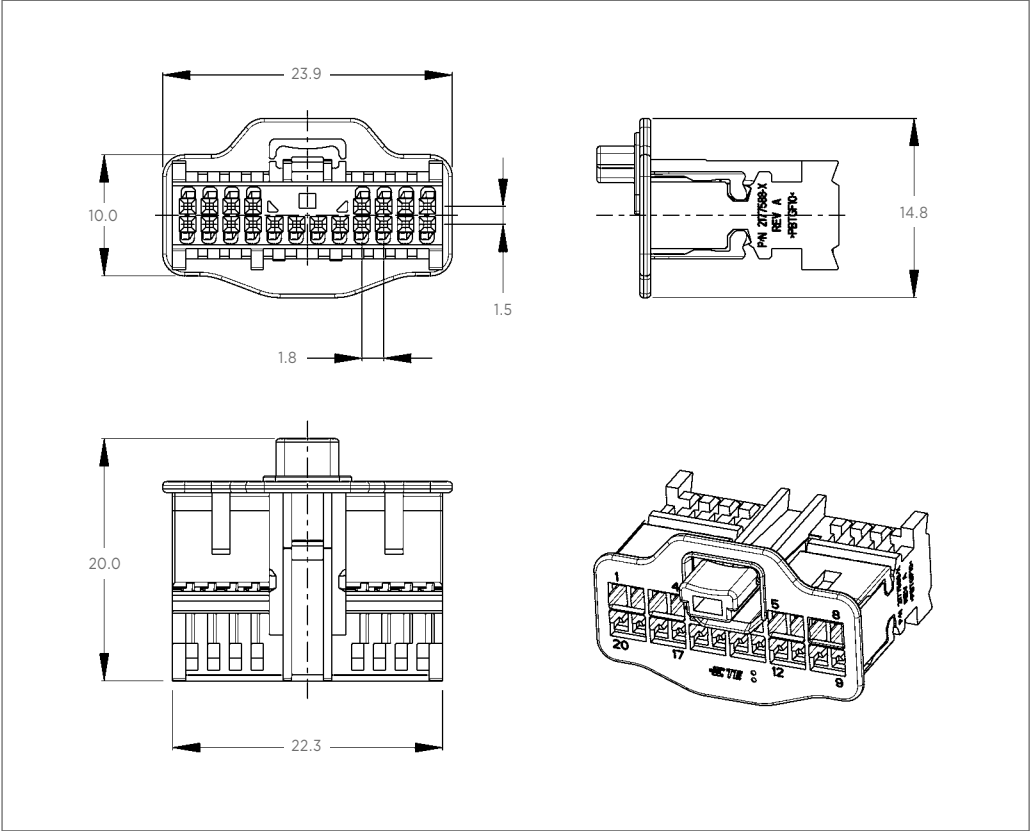




Technical Features

- No. of Positions:
20 Positions
- Housing Material:
PBT Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over NiMating
- Product Specification:
108-20315
- Application Specification:
114-94033
- Extraction Tool
1355968-1

Receptacle Housings - 20 Positions



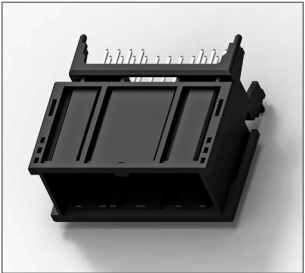
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2177588-1	N/A	N/A	N/A	N/A	0-2177367-3	0-2177766-3	x-1703930-x
Coding B	Natural	2177588-2					1-2177367-3	1-2177766-3	
Coding C	Gray	2177588-3*					2-2177367-3*	2-2177766-3*	
Coding D	Black	2177588-4*					3-2177367-3*	3-2177766-3*	

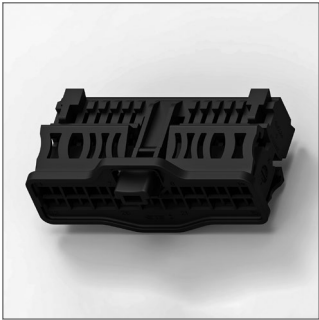
* on request

Mating Header Connector
Right Angle see page 82



Mating Header Connector
Vertical see page 86

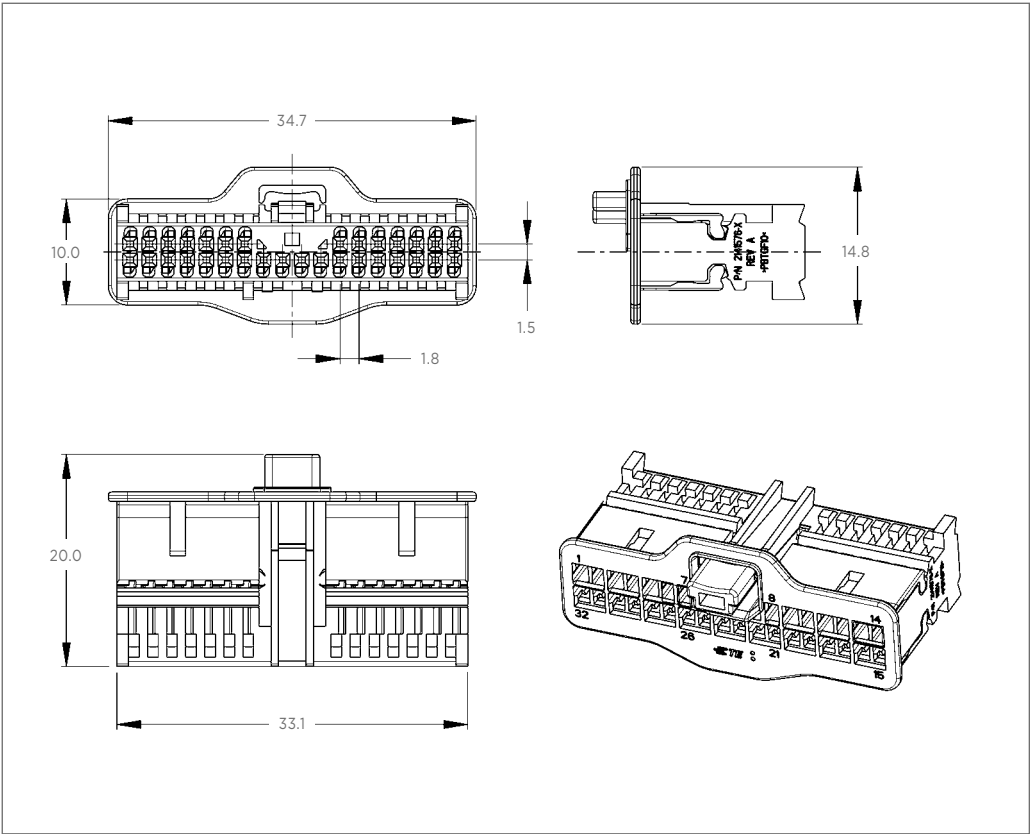




Technical Features

- No. of Positions:
31 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-20315
- Application Specification:
114-94033
- Extraction Tool
1355968-1

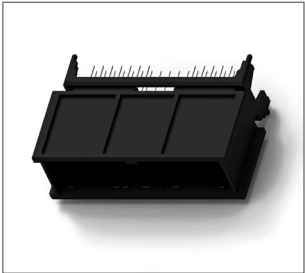
Receptacle Housings - 32 Positions



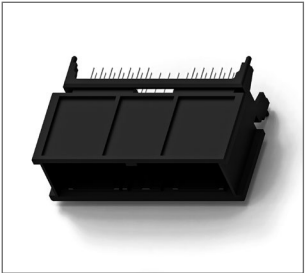
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2141576-1	N/A	N/A	N/A	N/A	0-2177419-3	0-2177748-3	x-1703930-x
Coding B	Natural	2141576-2					1-2177419-3	1-2177748-3	
Coding C	Gray	2141576-3					2-2177419-3	2-2177748-3	
Coding D	Black	2141576-4 *					3-2177419-3 *	3-2177748-3 *	

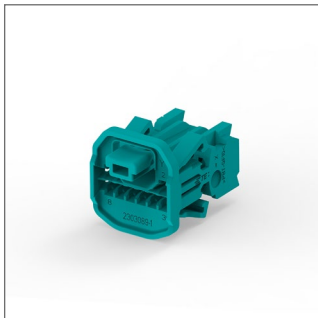
* on request

Mating Header Connector
Right Angle see page 83



Mating Header Connector
Vertical see page 87





Technical Features

No. of Positions:

8 Positions

Housing Material

PBT-GF10

Wire Size Range:

Flexible Foils i.e. FFC or FPC;
for details, please see
Application Specification for
Terminal PN 1-2291853-1

Interface:

114-20160-40

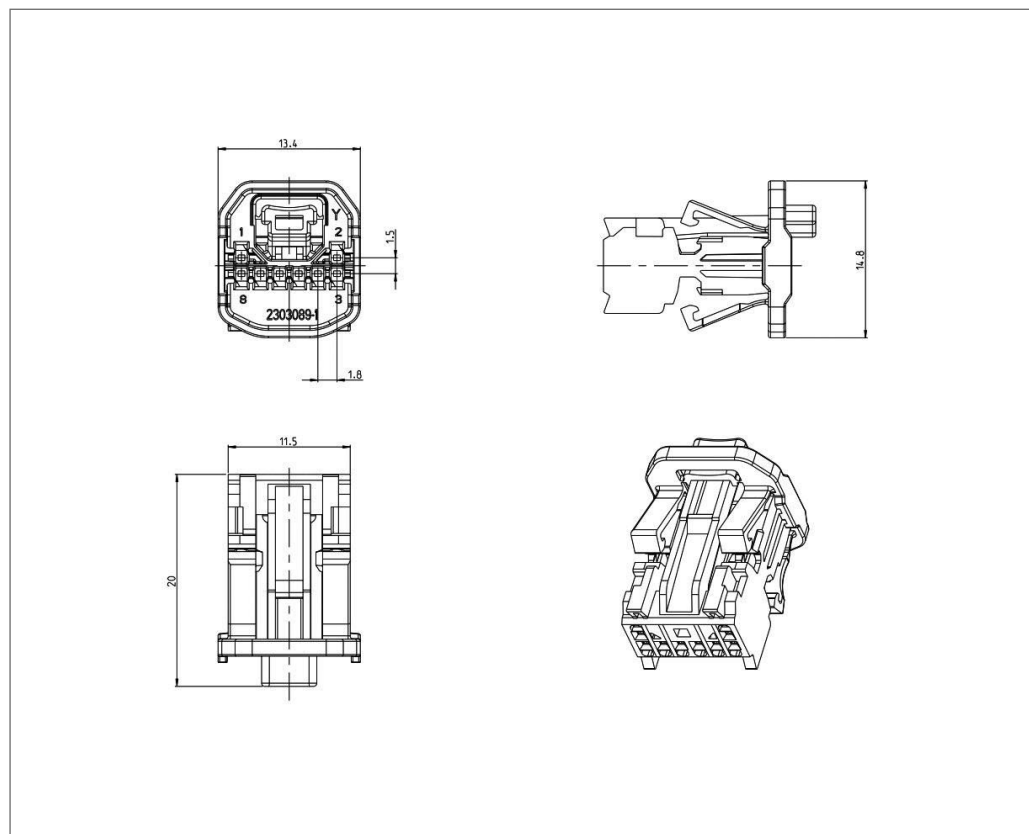
Product Specification:

108-94541

Application Specification:

114-94437

Receptacle Housings - FFC/FPC - 2 Row Design - 8 Positions



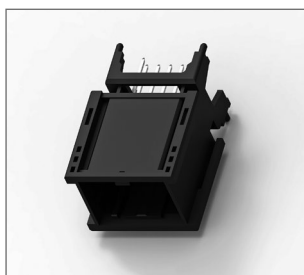
Keying Options	Housing Color	Receptacle Housing	Part Numbers		
			Mating PCB Headers		Contacts
			Right Angle	Vertical	
Coding Z	Water Blue	2303089-1	x-2177372-x	x-2177768-x	1-2291853-1

* on request

Mating PCB Header
Right Angle see page 80



Mating PCB Header
Vertical Angle see page 84





Technical Features

No. of Positions:
20 Positions

Housing Material
PBT-GF10

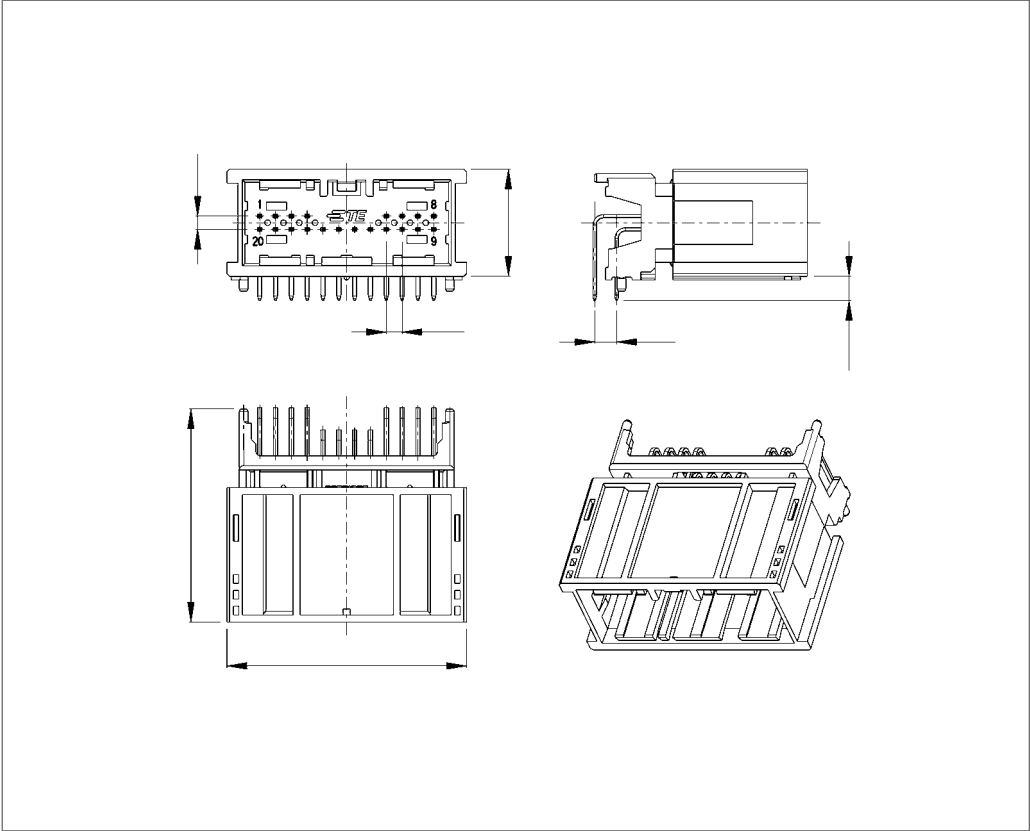
Wire Size Range:
Flexible Foils i.e. FFC or FPC;
for details, please see
Application Specification for
Terminal PN 1-2291853-1

Interface:
114-20160-40

Product Specification:
108-94541

Application Specification:
114-94437

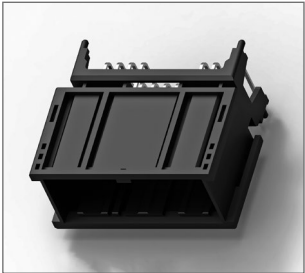
Receptacle Housings - FFC/FPC - 2 Row Design - 20 Positions



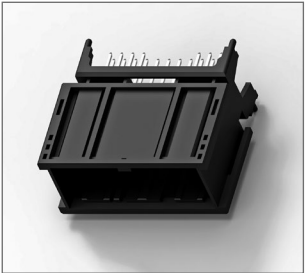
Keying Options	Housing Color	Receptacle Housing	Part Numbers		
			Mating PCB Headers		Contacts
			Right Angle	Vertical	
Coding A	Black	2365086-1	x-2177367-x	x-2177766-x	1-2291853-1

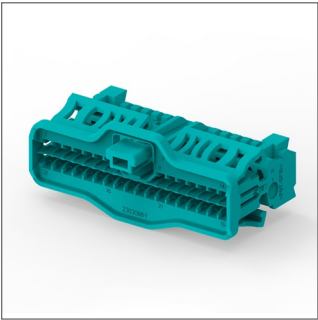
* on request

Mating PCB Header
Right Angle see page 82



Mating PCB Header
Vertical Angle see page 86

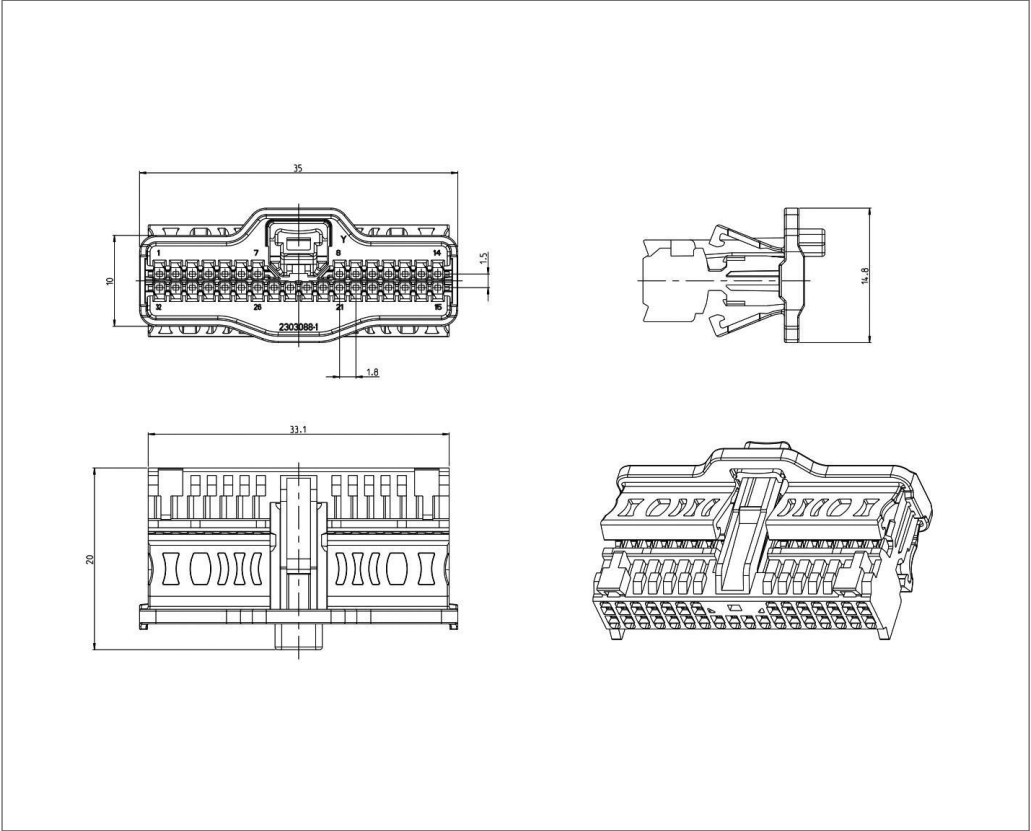




Technical Features

- No. of Positions:**
32 Positions
- Housing Material**
PBT-GF10
- Wire Size Range:**
Flexible Foils i.e. FFC or FPC;
for details, please see
Application Specification for
Terminal PN 1-2291853-1
- Interface:**
114-20160-150
- Product Specification:**
108-94541
- Application Specification:**
114-94437

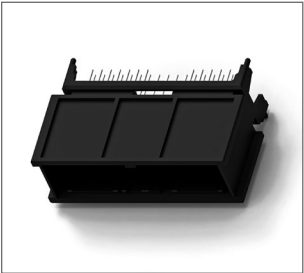
Receptacle Housings - FFC/FPC - 2 Row Design - 32 Positions



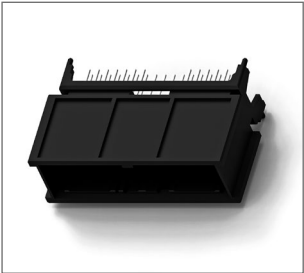
Keying Options	Housing Color	Receptacle Housing	Part Numbers		
			Mating PCB Headers		Contacts
			Right Angle	Vertical	
Coding A	Black	2303088-2	0-/4-2177419-3	0-/4-2177748-3	1-2291853-1
Coding B	Natural	2303088-3	1-/5-2177419-3	1-/5-2177748-3	
Coding Z	Water Blue	2303088-1	x-2177367-x	x-2177766-x	

* on request

Mating PCB Header
Right Angle see page 83



Mating PCB Header
Vertical Angle see page 87

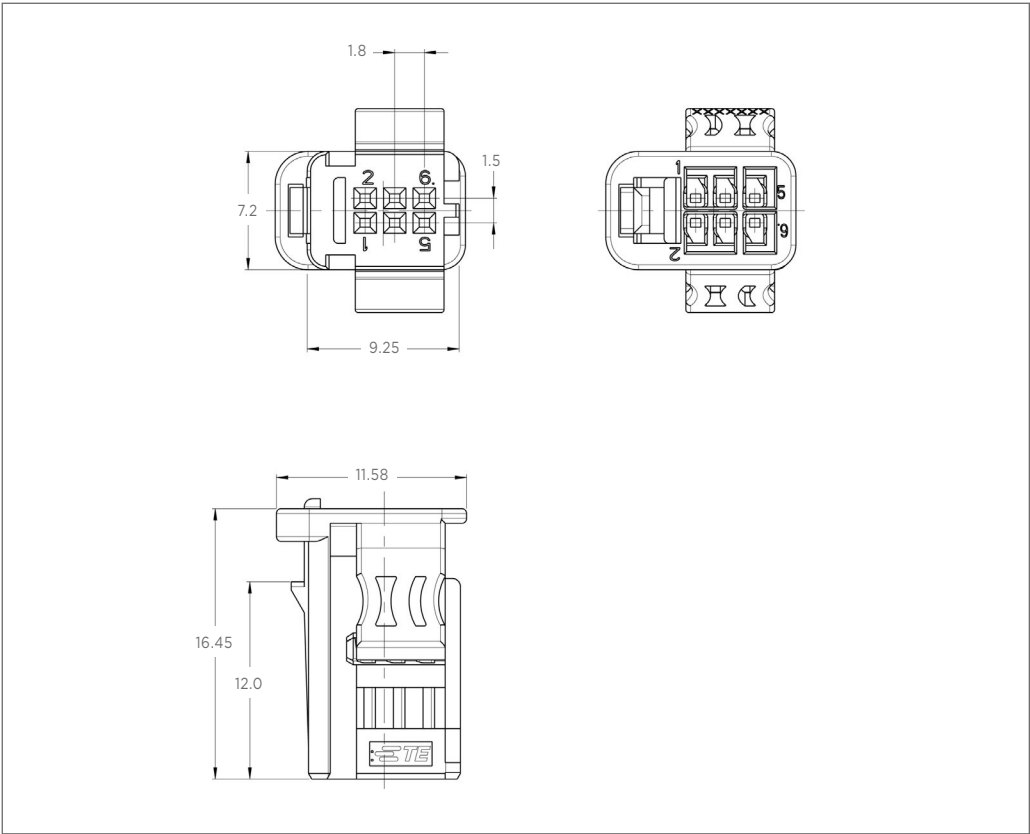




Technical Features

- No. of Positions:
6 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool
1355968-1

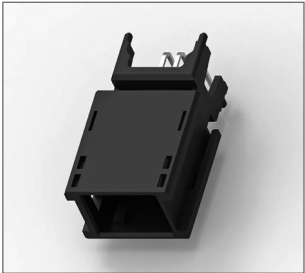
Receptacle Housings - 2 Row Design - 6 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2208338-1	N/A	N/A	N/A	N/A	2208636-1	TBD	x-1703930-x
Coding B	Natural	2208338-2					2208636-2 *		
Coding C	Blue	2208338-3 *					2208636-3 *		
Coding D	Violet	2208338-4 *					2208636-4 *		
Coding Z	Water Blue	2208338-9					all codings		

* on request

Mating Header see page 88

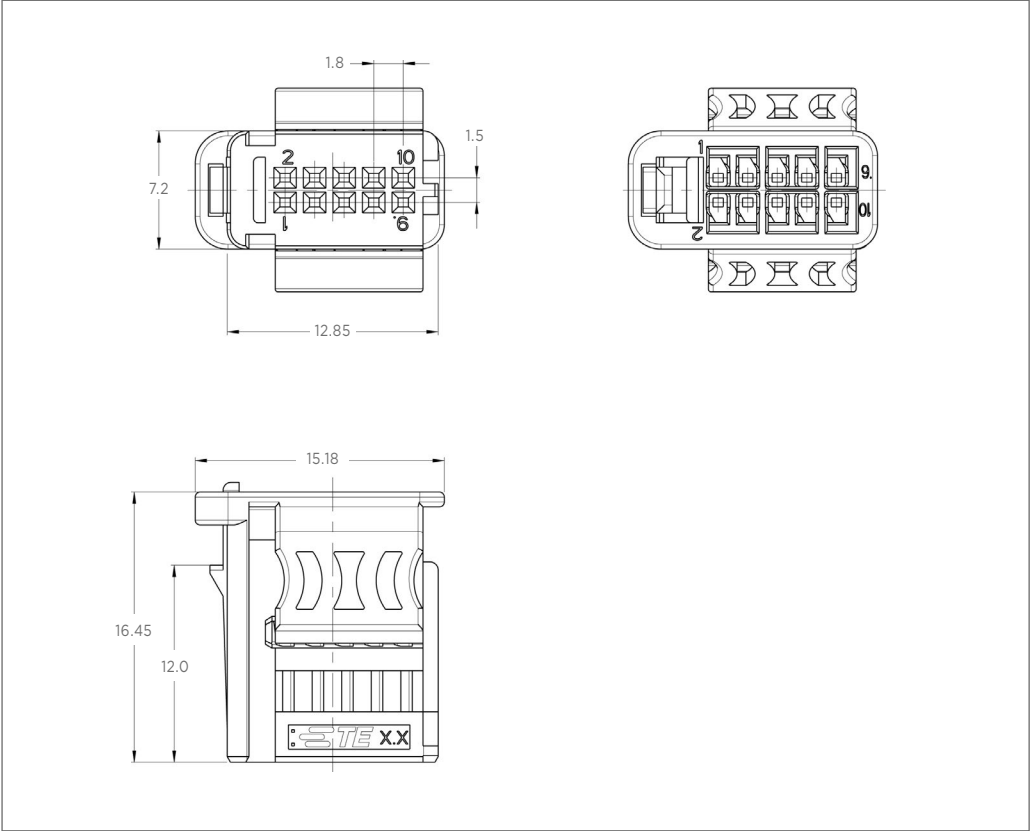




Technical Features

- No. of Positions:
6 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool
1355968-1

Receptacle Housings - 2 Row Design - 10 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2208339-1							
Coding B	Natural	2208339-2							
Coding C	Blue	2208339-3 *	N/A	N/A	N/A	N/A	TBD	TBD	x-1703930-x
Coding D	Violet	2208339-4 *							
Coding Z	Water Blue	2208339-9					all codings		

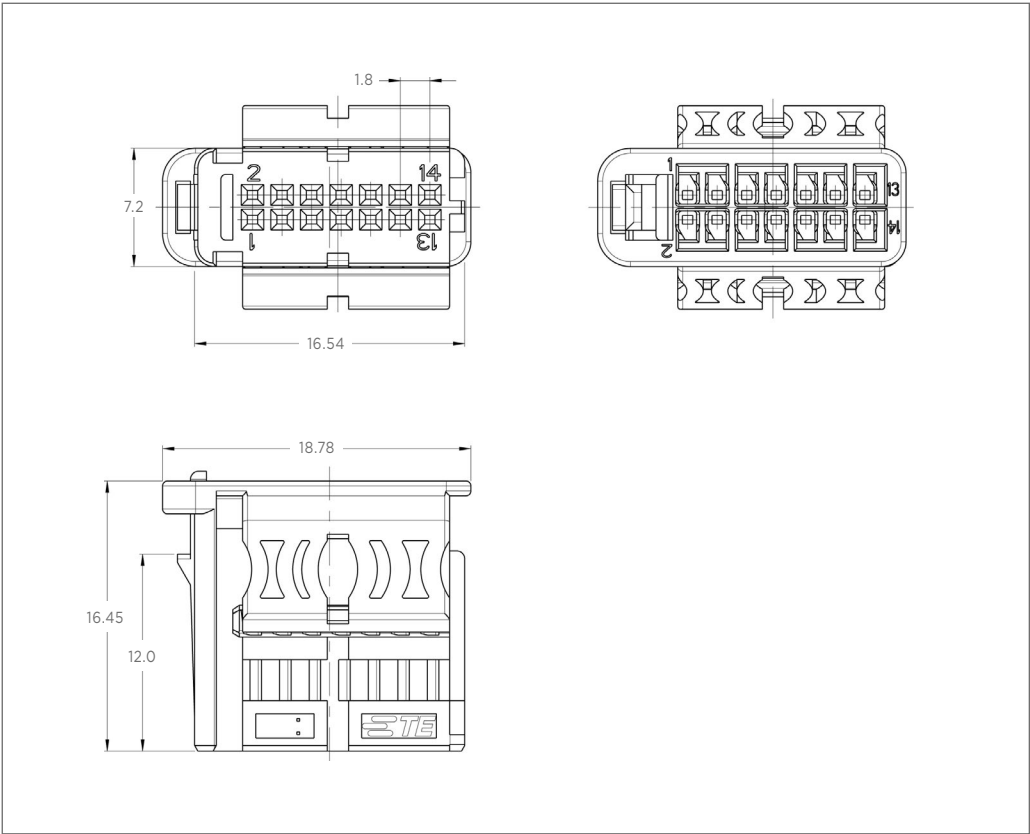
* on request



Technical Features

- No. of Positions:
6 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 – 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool
1355968-1

Receptacle Housings - 2 Row Design - 14 Positions



SIDE LATCH, UNSEALED

Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2208340-1	N/A	N/A	N/A	N/A	TBD	TBD	x-1703930-x
Coding B	Natural	2208340-2							
Coding C	Blue	2208340-3 *							
Coding D	Violet	2208340-4 *							
Coding Z	Water Blue	2208340-9					all codings		

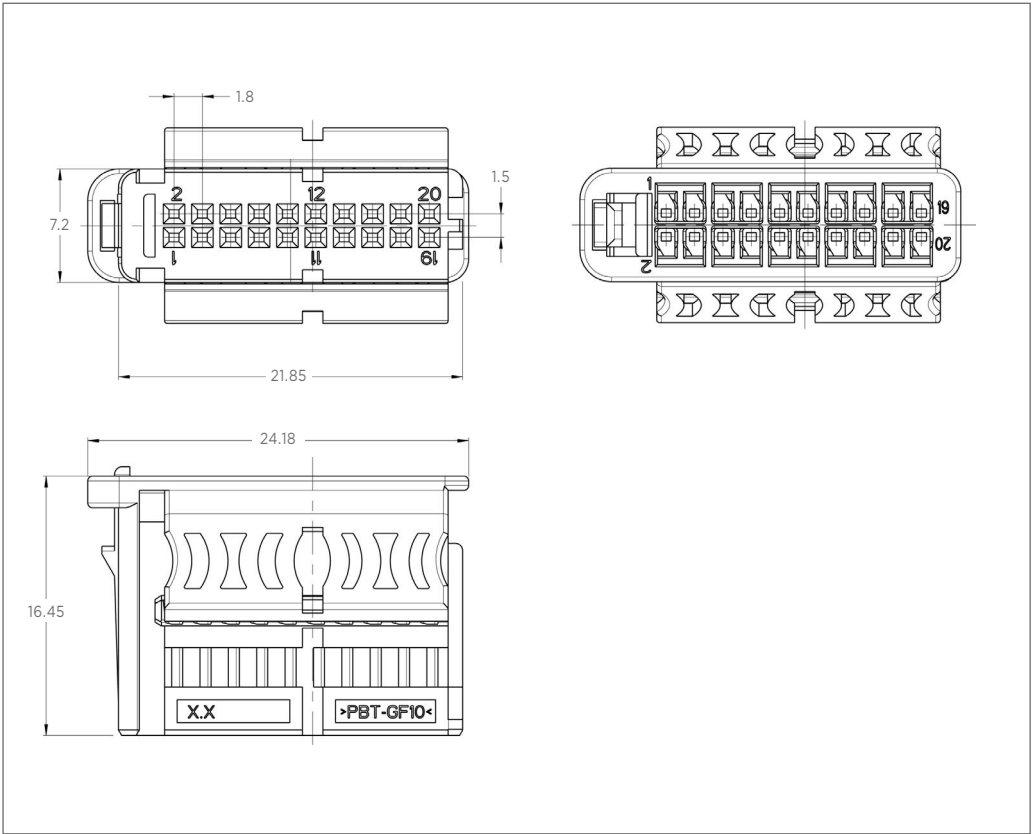
* on request



Technical Features

- No. of Positions:**
20 Positions
- Housing Material:**
PBT Glas fibre reinforced
- Wire Size Range:**
0.13 – 0.35 mm²
- Product Specification:**
108-94288
- Application Specification:**
114-94033
- Extraction Tool:**
1355968-1

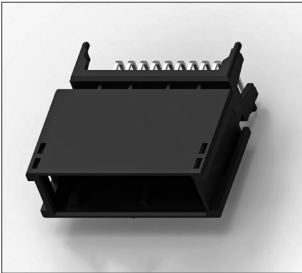
Receptacle Housings – 2 Row Design – 20 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2141404-1	N/A	N/A	N/A	N/A	2208165-1	TBD	x-1703930-x
Coding B	Natural	2141404-2					2208165-2		
Coding C	Blue	2141404-3 *					2208165-3 *		
Coding D	Violet	2141404-4 *					2208165-4 *		
Coding Z	Water Blue	2141404-9					all codings		

* on request

Mating Header see page 27

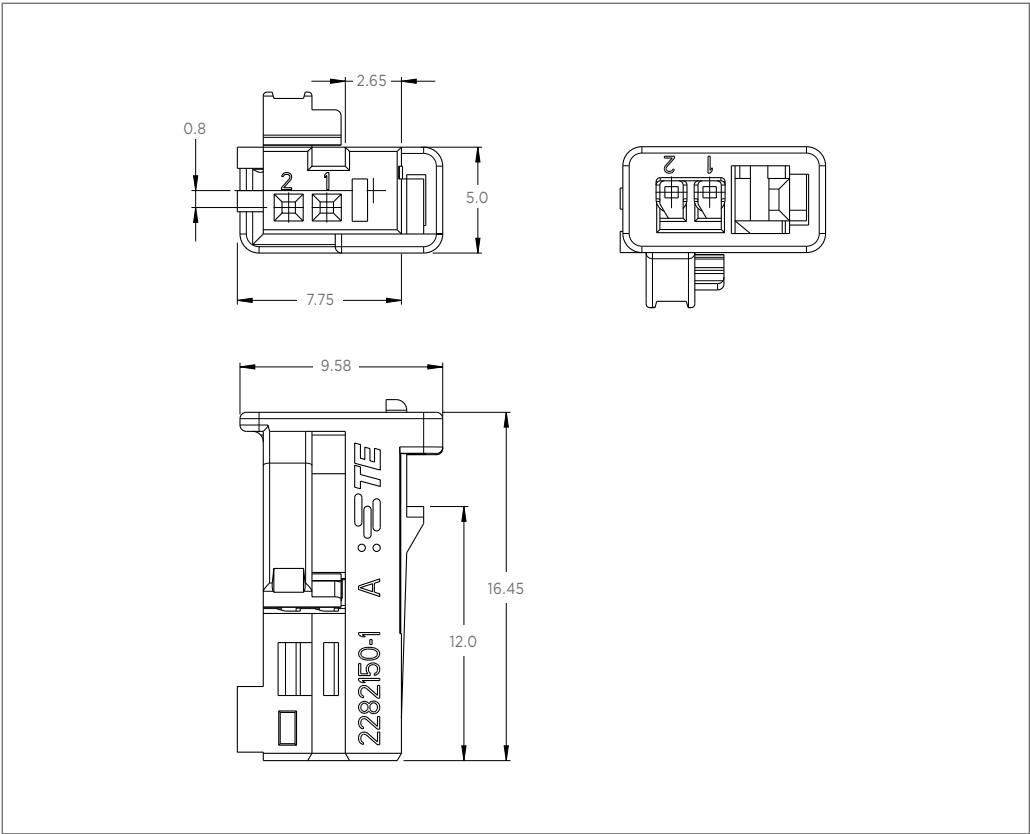




Technical Features

- No. of Positions:
2 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool
1355968-1

Receptacle Housings - 1 Row Design - 2 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282150-1	N/A	N/A	N/A	TBD	2315401-1*	2314389-1*	x-1703930-x
Coding B	Natural	2282150-2					2315401-2*	2314389-2*	
Coding C	Blue	2282150-3 *					2315401-3*	2314389-3*	
Coding D	Violet	2282150-4 *					2315401-4*	2314389-4*	
Coding Z	Water Blue	2282150-9					all codings		

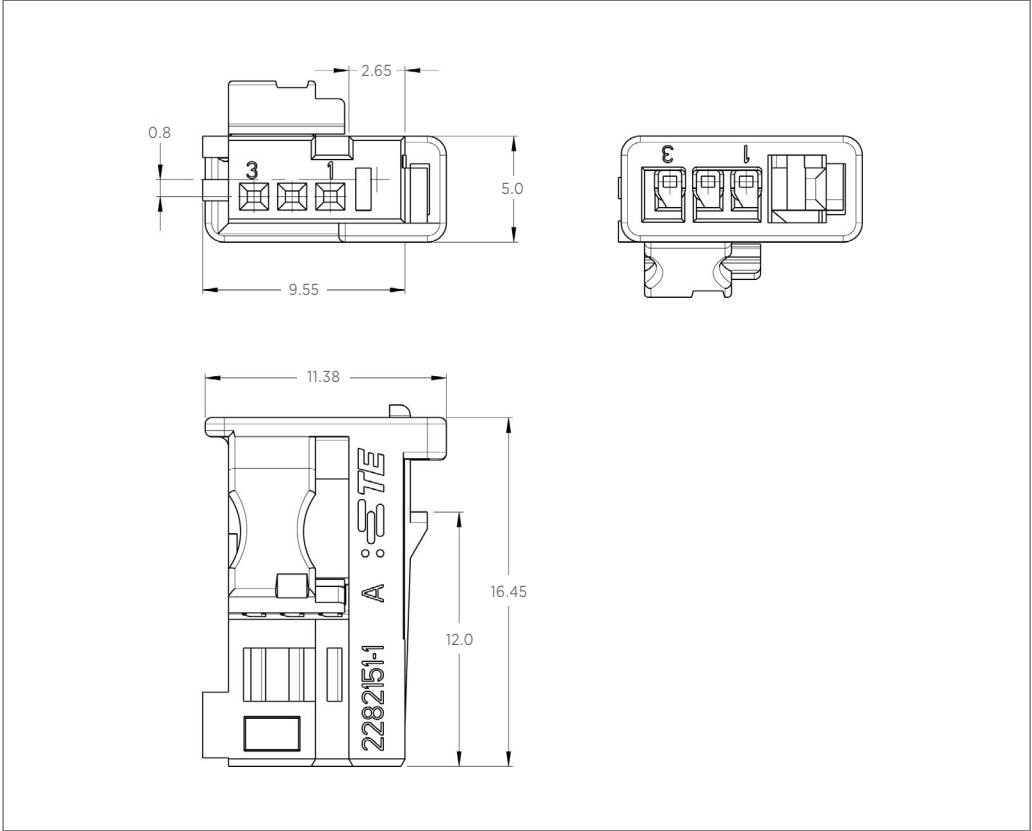
* on request



Technical Features

- No. of Positions:**
3 Positions
- Housing Material:**
PBT Glas fibre reinforced
- Wire Size Range:**
0.13 - 0.35 mm²
- Product Specification:**
108-94288
- Application Specification:**
114-94033
- Extraction Tool**
1355968-1

Receptacle Housings - 1 Row Design - 3 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282151-1	N/A	N/A	N/A	TBD	2315403-1*	2314501-1*	x-1703930-x
Coding B	Natural	2282151-2					2315403-2*	2314501-2*	
Coding C	Blue	2282151-3 *					2315403-3*	2314501-3*	
Coding D	Violet	2282151-4 *					2315403-4*	2314501-4*	
Coding Z	Water Blue	2282151-9					all codings		

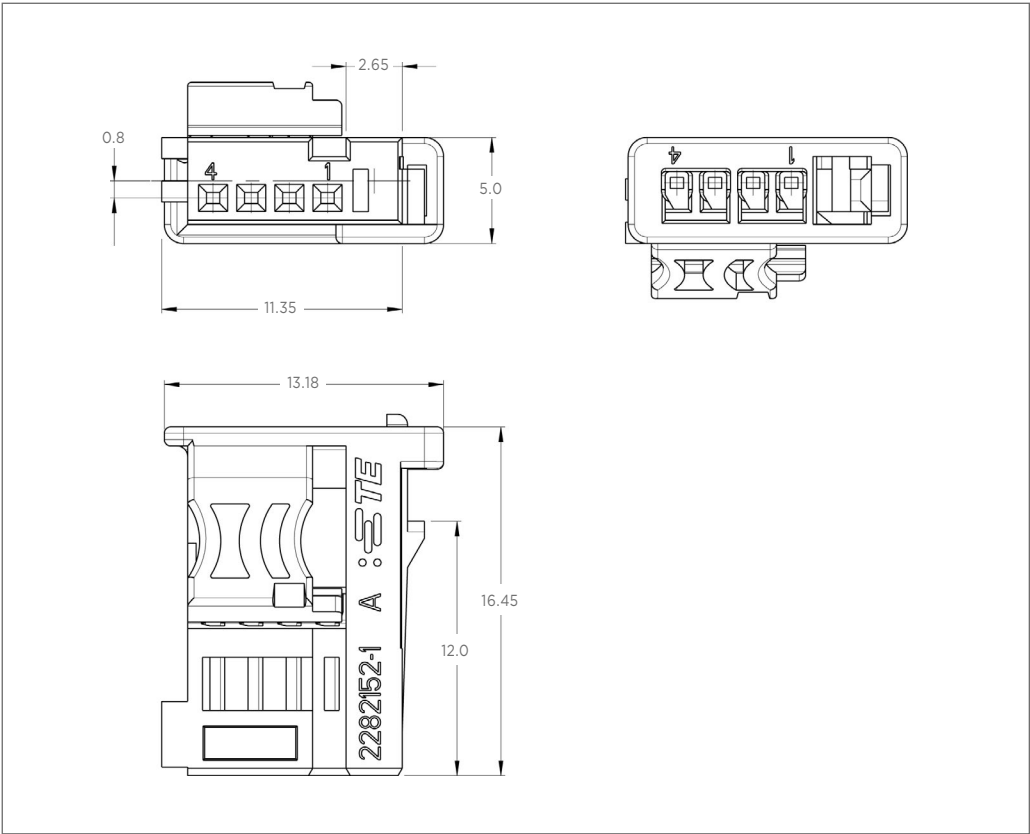
* on request



Technical Features

- No. of Positions:
4 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

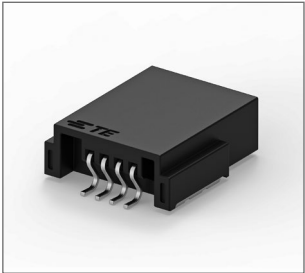
Receptacle Housings - 1 Row Design - 4 Positions



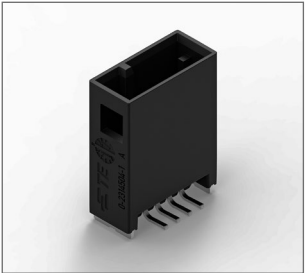
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282152-1	N/A	N/A	N/A	TBD	2315405-1	2314503-1	x-1703930-x
Coding B	Natural	2282152-2					2315405-2	2314503-2	
Coding C	Blue	2282152-3 *					2315405-3*	2314503-3*	
Coding D	Violet	2282152-4 *					2315405-4*	2314503-4*	
Coding Z	Water Blue	2282152-9					all codings		

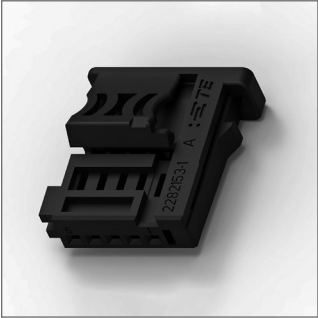
* on request

Mating PCB Header
Right Angle see page 92



Mating PCB Header
Vertical Angle see page 98

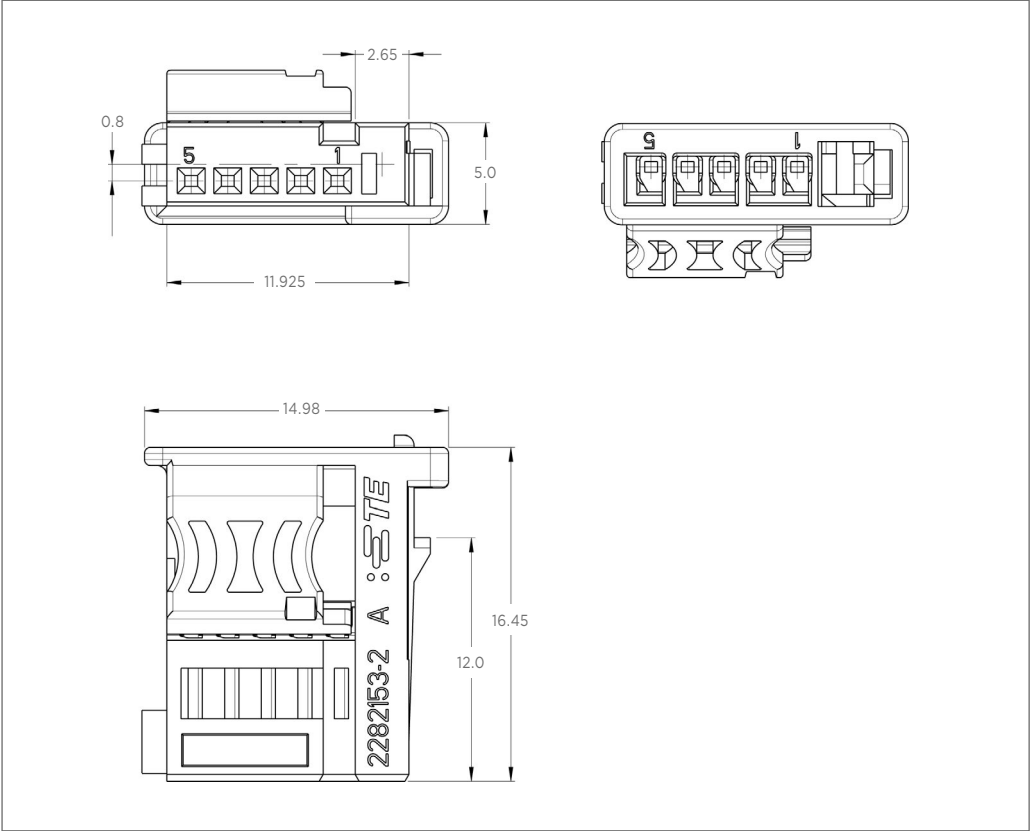




Technical Features

- No. of Positions:
5 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

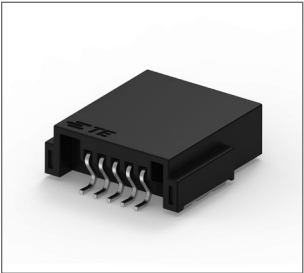
Receptacle Housings - 1 Row Design - 5 Positions



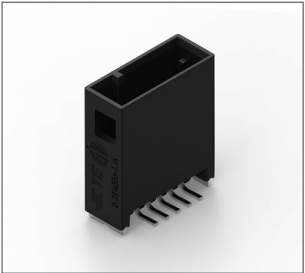
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282153-1	N/A	N/A	N/A	TBD	2315407-1	2314505-1	x-1703930-x
Coding B	Natural	2282153-2					2315407-2	2314505-2	
Coding C	Blue	2282153-3 *					2315407-3*	2314505-3	
Coding D	Violet	2282153-4 *					2315407-4*	2314505-4*	
Coding Z	Water Blue	2282153-9					all codings		

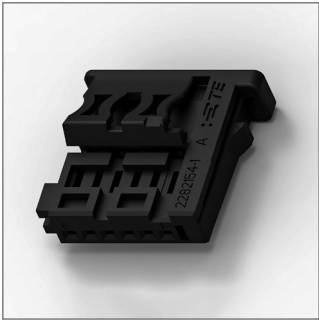
* on request

Mating PCB Header
Right Angle see page 93



Mating PCB Header
Vertical Angle see page 99

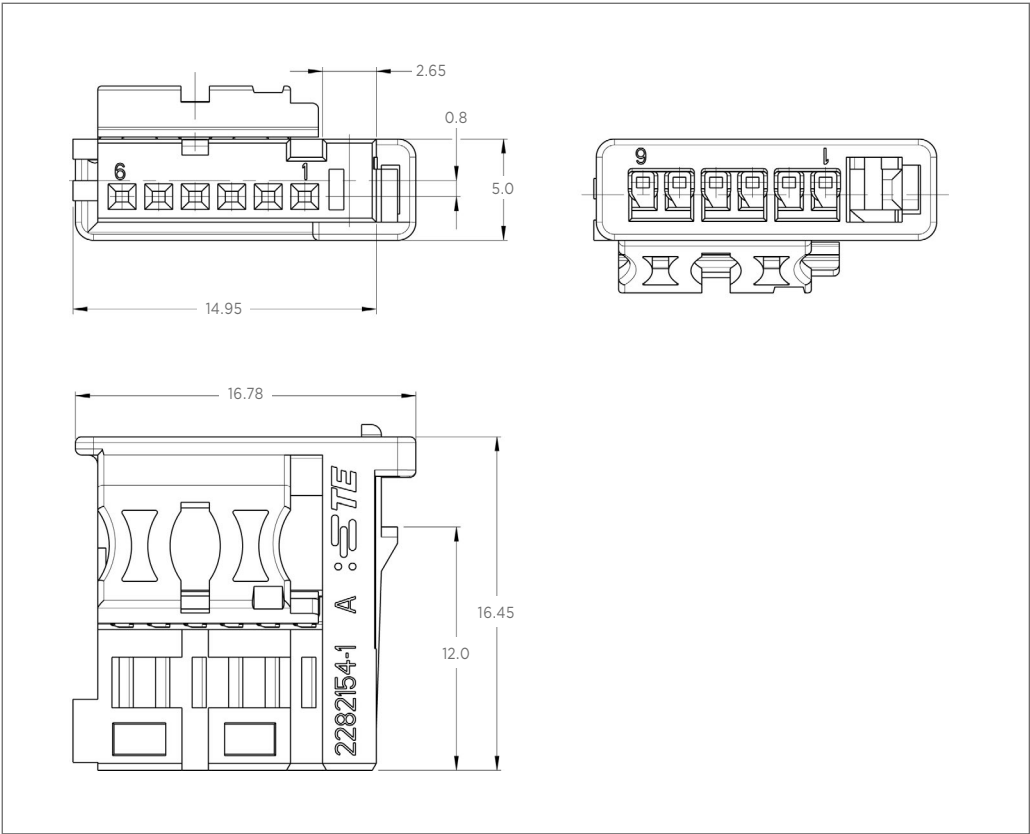




Technical Features

- No. of Positions:
6 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

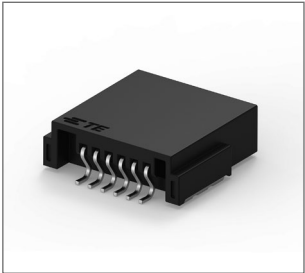
Receptacle Housings - 1 Row Design - 6 Positions



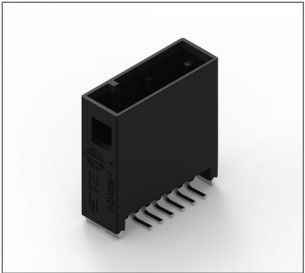
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282154-1	N/A	N/A	N/A	TBD	2311714-1	2314507-1	x-1703930-x
Coding B	Natural	2282154-2					2311714-2	2314507-2	
Coding C	Blue	2282154-3 *					2311714-3*	2314507-3*	
Coding D	Violet	2282154-4 *					2311714-4*	2314507-4*	
Coding Z	Water Blue	2282154-9					all codings		

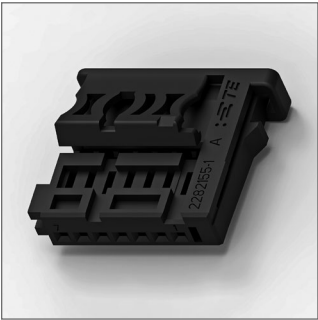
* on request

Mating PCB Header
Right Angle see page 94



Mating PCB Header
Vertical Angle see page 100

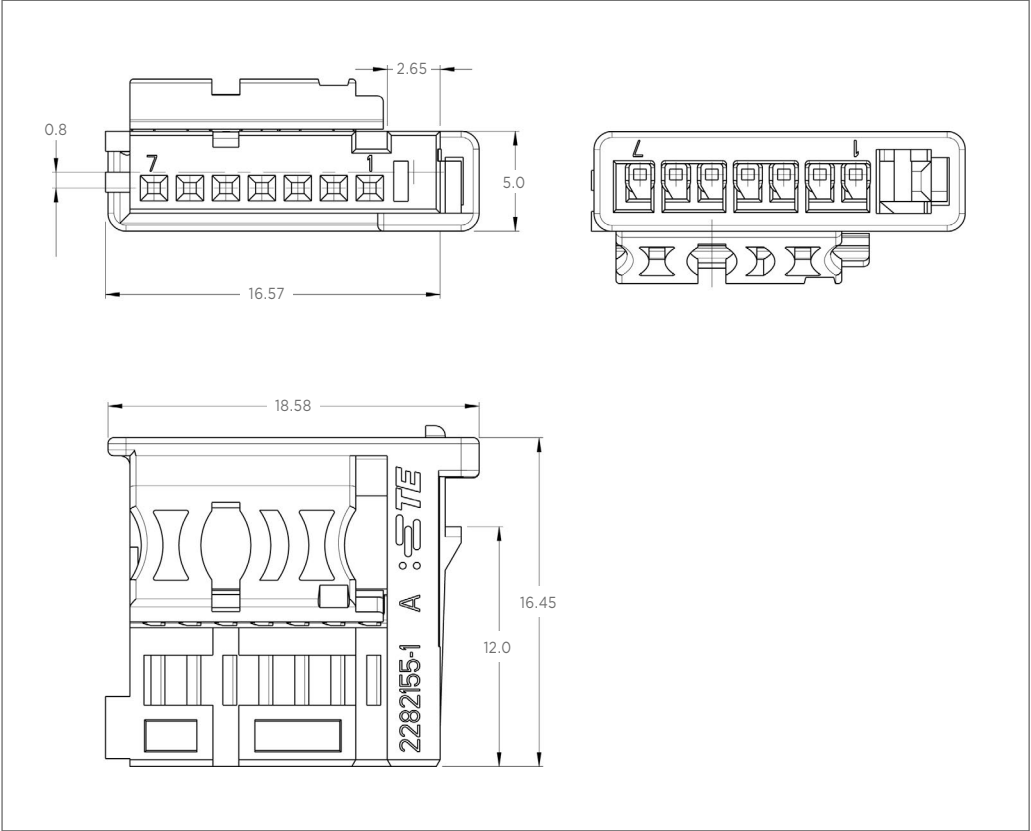




Technical Features

- No. of Positions:**
7 Positions
- Housing Material:**
PBT Glas fibre reinforced
- Wire Size Range:**
0.13 - 0.35 mm²
- Product Specification:**
108-94288
- Application Specification:**
114-94033
- Extraction Tool:**
1355968-1

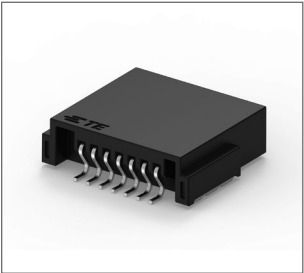
Receptacle Housings - 1 Row Design - 7 Positions

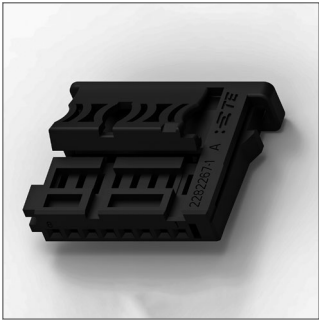


Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282155-1	N/A	N/A	N/A	TBD	2315409-1	2314509-1*	x-1703930-x
Coding B	Natural	2282155-2					2315409-2	2314509-2*	
Coding C	Blue	2282155-3 *					2315409-3*	2314509-3*	
Coding D	Violet	2282155-4 *					2315409-4*	2314509-4*	
Coding Z	Water Blue	2282155-9					all codings		

* on request

Mating PCB Header
Right Angle see page 95

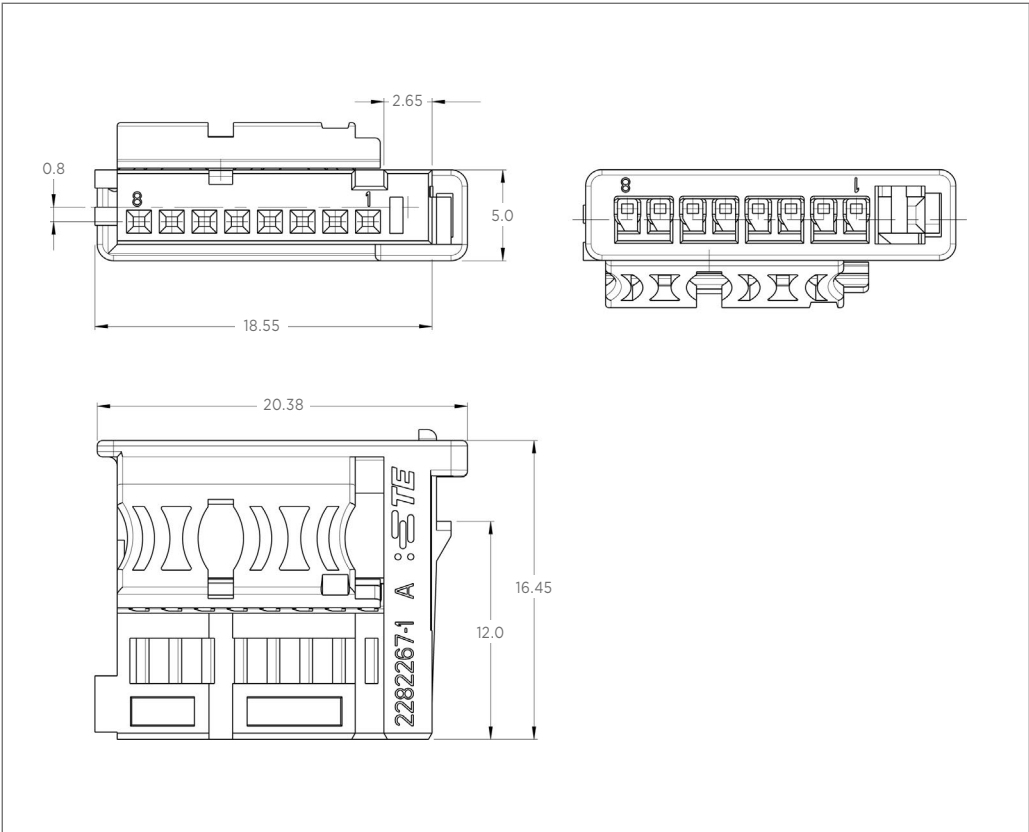




Technical Features

- No. of Positions:
8 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

Receptacle Housings - 1 Row Design - 8 Positions



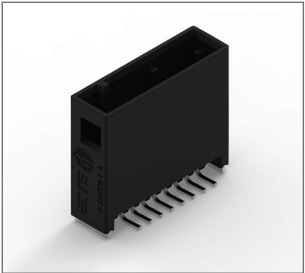
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282267-1	N/A	N/A	N/A	TBD	2315411-1	2311396-1	x-1703930-x
Coding B	Natural	2282267-2					2315411-2	2311396-2	
Coding C	Blue	2282267-3*					2315411-3*	2311396-3	
Coding D	Violet	2282267-4*					2315411-4*	2314509-4*	
Coding Z	Water Blue	2282267-9					all codings		

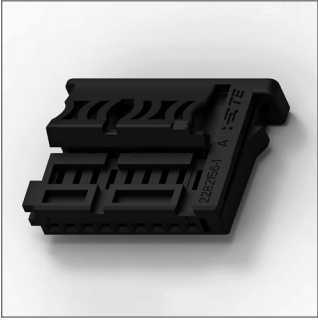
* on request

Mating PCB Header
Right Angle see page 96



Mating PCB Header
Vertical Angle see page 101

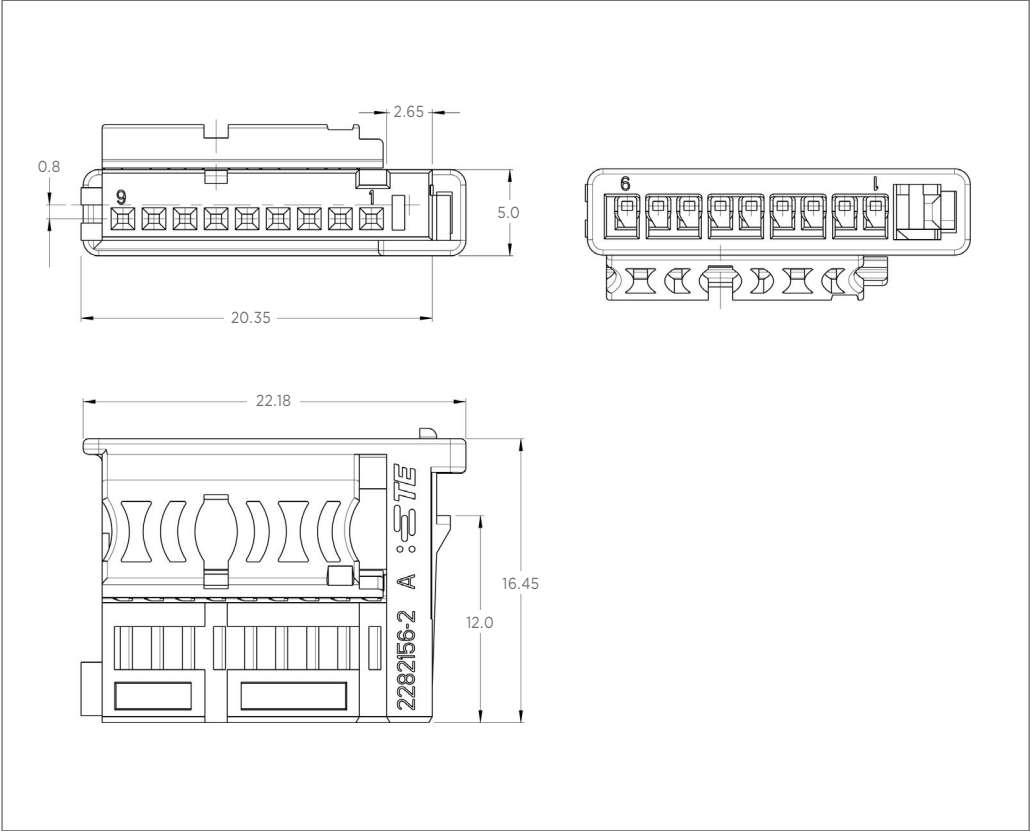




Technical Features

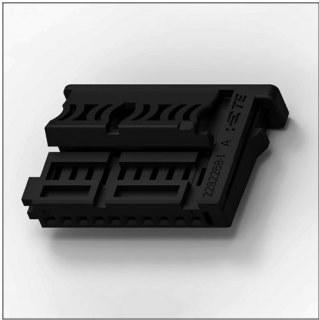
- No. of Positions:**
9 Positions
- Housing Material:**
PBT Glas fibre reinforced
- Wire Size Range:**
0.13 - 0.35 mm²
- Product Specification:**
108-94288
- Application Specification:**
114-94033
- Extraction Tool:**
1355968-1

Receptacle Housings - 1 Row Design - 9 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282156-1	N/A	N/A	N/A	TBD	2315413-1*	2314511-1*	x-1703930-x
Coding B	Natural	2282156-2					2315413-2*	2314511-2*	
Coding C	Blue	2282156-3 *					2315413-3*	2314511-3*	
Coding D	Violet	2282156-4 *					2315413-4*	2314511-4*	
Coding Z	Water Blue	2282156-9					all codings		

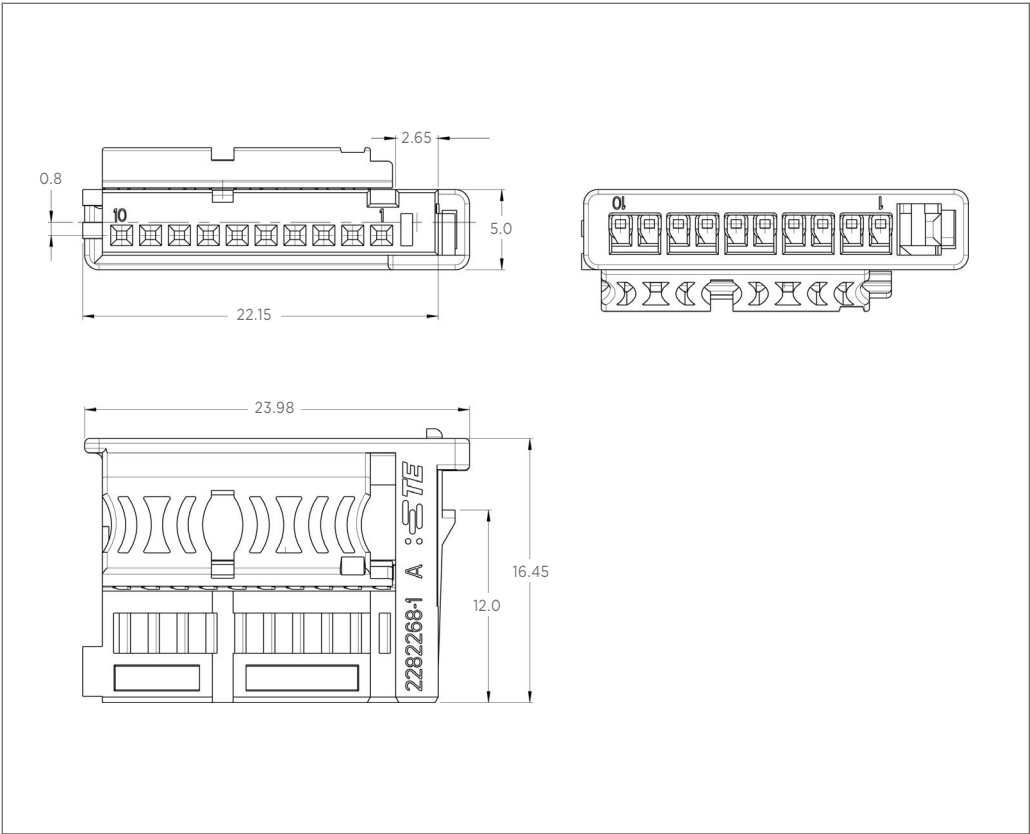
* on request



Technical Features

- No. of Positions:
10 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

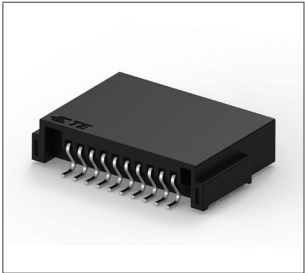
Receptacle Housings - 1 Row Design - 10 Positions



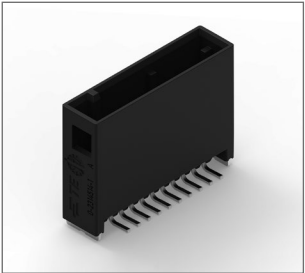
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282268-1	N/A	N/A	N/A	TBD	2315415-1	2314513-1	x-1703930-x
Coding B	Natural	2282268-2					2315415-2	2314513-2	
Coding C	Blue	2282268-3*					2315415-3*	2314513-3*	
Coding D	Violet	2282268-4*					2315415-4*	2314513-4*	
Coding Z	Water Blue	2282268-9					all codings		

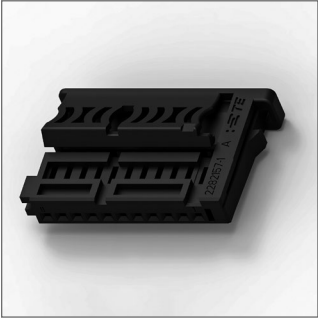
* on request

Mating PCB Header
Right Angle see page 97



Mating PCB Header
Vertical Angle see page 102

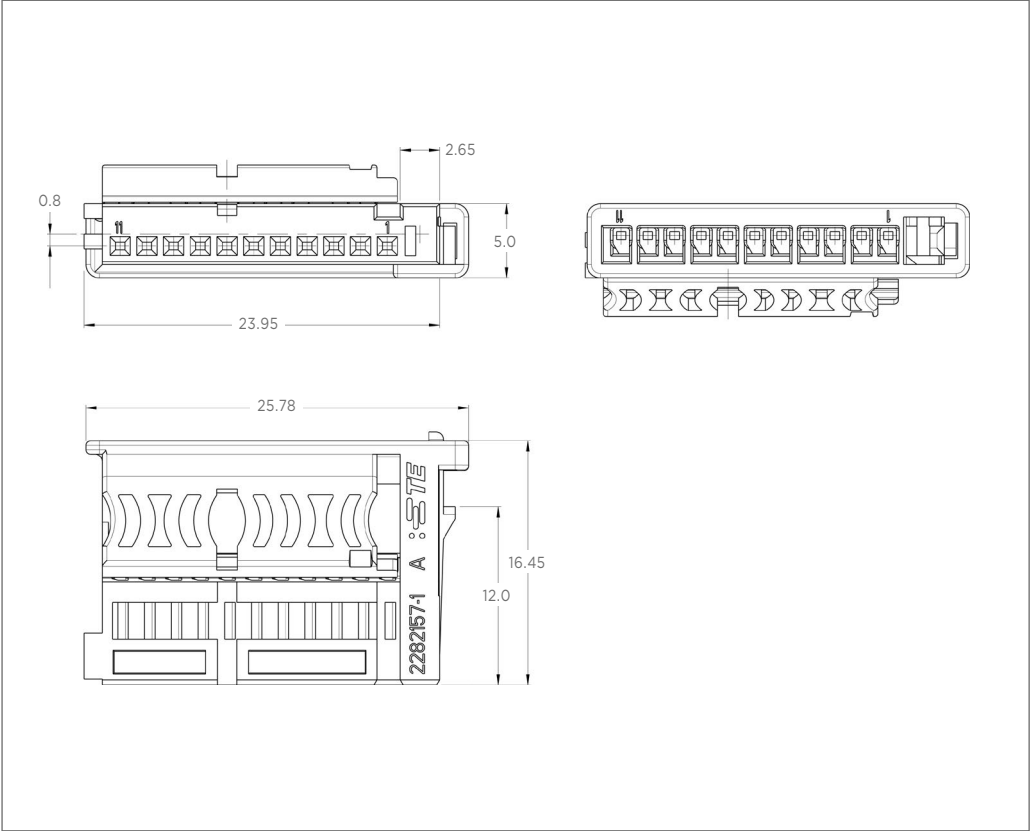




Technical Features

- No. of Positions:
11 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.13 - 0.35 mm²
- Product Specification:
108-94288
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

Receptacle Housings - 1 Row Design - 11 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Mating Tab Housing	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2282157-1	N/A	N/A	N/A	TBD	2315417-1*	2314515-1*	x-1703930-x
Coding B	Natural	2282157-2					2315417-2*	2314515-2*	
Coding C	Blue	2282157-3 *					2315417-3*	2314515-3*	
Coding D	Violet	2282157-4 *					2315417-4*	2314515-4*	
Coding Z	Water Blue	2282157-9					all codings		

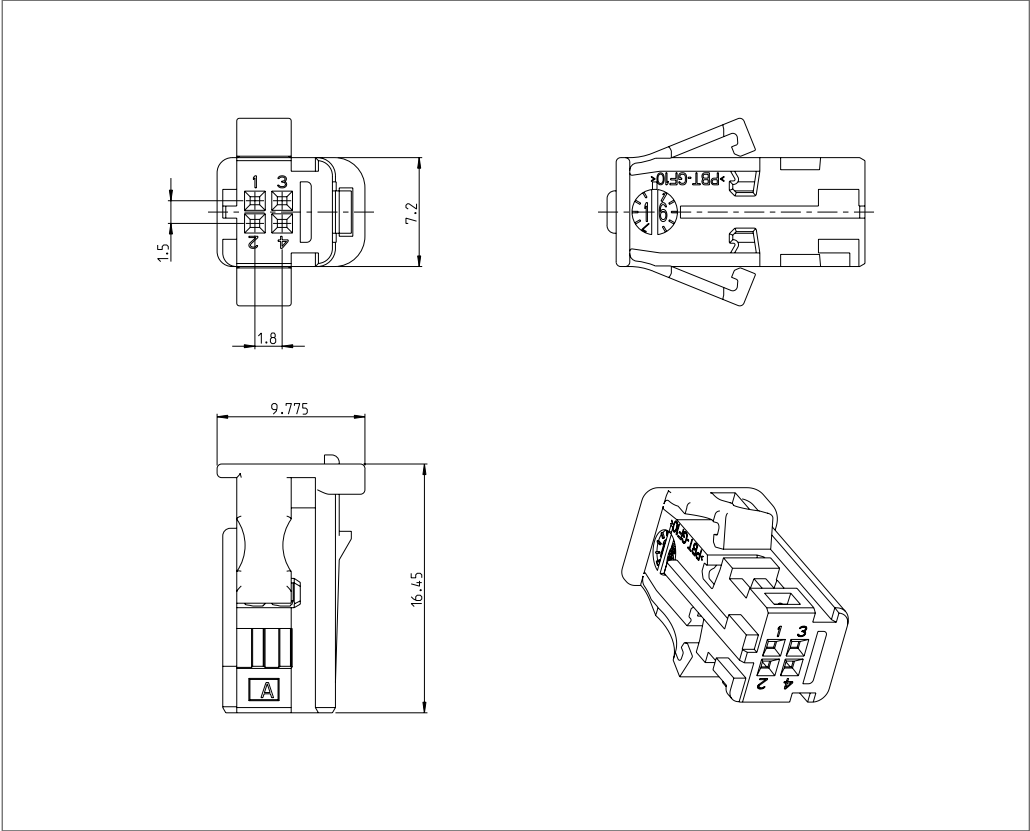
* on request



Technical Features

- No. of Positions:
4 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 - 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 4 Positions



Keying Options	Housing Color	Part Numbers			
		Receptacle Housing	Mating PCB Headers		Contacts
			Right Angle	Vertical	
Coding A	Black	2320004-1	TBD	TBD	x-1703930-x
Coding B	Natural	2320004-2			
Coding C	Blue	2320004-3*			
Coding D	Violet	2320004-4*			

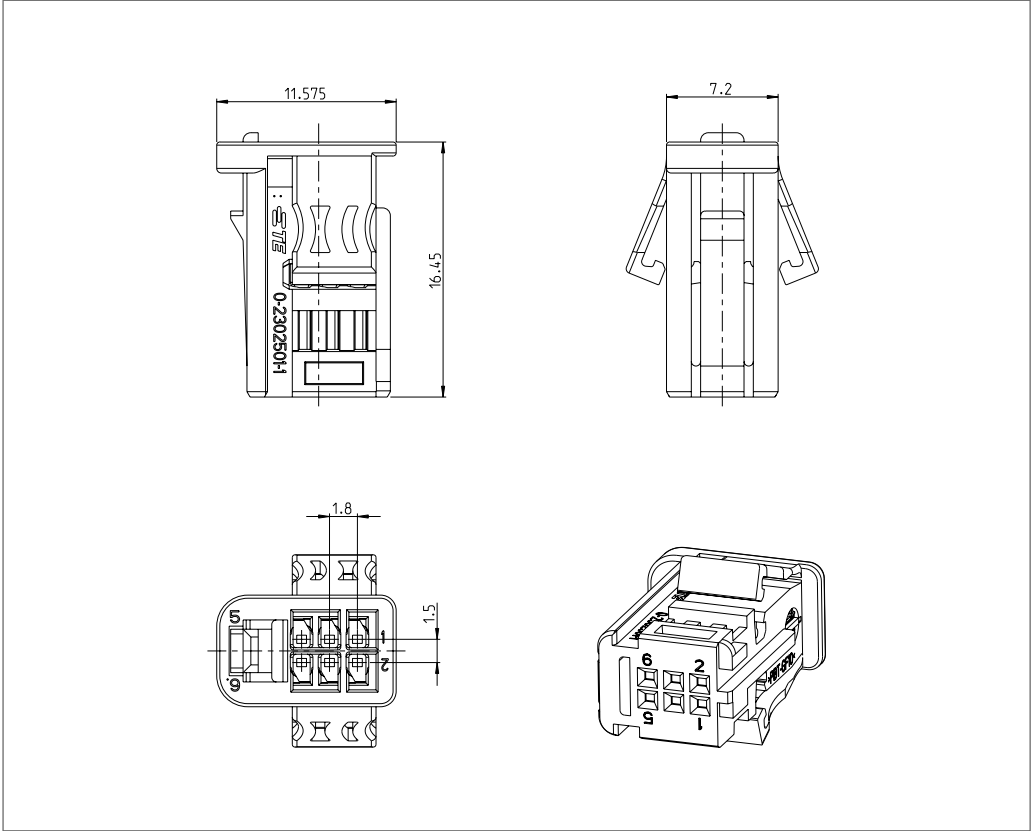
* on request



Technical Features

- No. of Positions:**
6 Positions
- Housing Material:**
PBT-GF10
- Wire Size Range:**
0.13 – 0.35 mm²
- Interface:**
114-94000-20
- Product Specification:**
108-94288
- Application Specification:**
114-94491

Receptacle Housings - 2 Row Design - 6 Positions



Keying Options	Housing Color	Part Numbers			Contacts
		Receptacle Housing	Mating PCB Headers		
			Right Angle	Vertical	
Coding A	Black	2302501-1	2317501-1*	2317521-1*	x-1703930-x
Coding B	Natural	2302501-2	2317501-2*	2317521-2*	
Coding C	Blue	2302501-3*	2317501-3*	2317521-3*	
Coding D	Violet	2302501-4*	2317501-4*	2317521-4*	

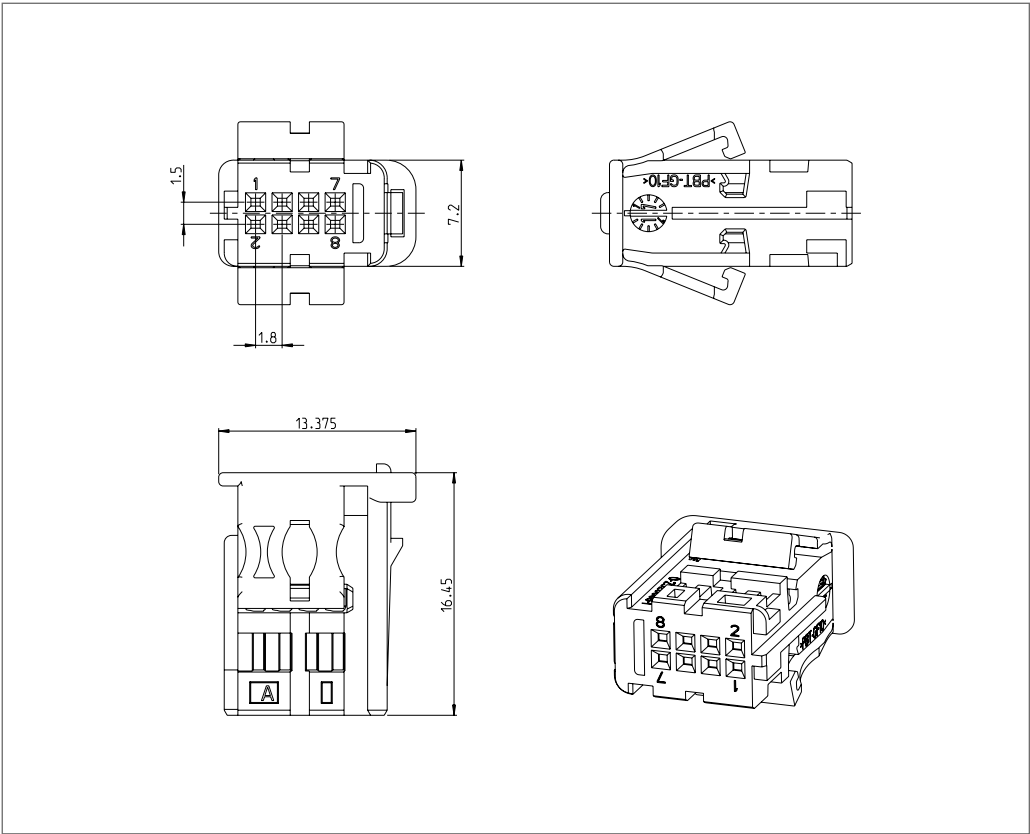
* on request



Technical Features

- No. of Positions:
8 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

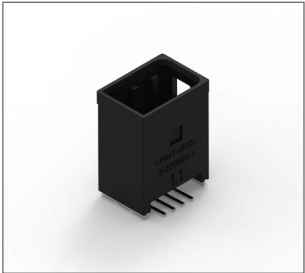
Receptacle Housings - 2 Row Design - 8 Positions



Keying Options	Housing Color	Part Numbers			Contacts
		Receptacle Housing	Mating PCB Headers		
			Right Angle	Vertical	
Coding A	Black	2320008-1	2317503-1*	2317523-1	x-1703930-x
Coding B	Natural	2320008-2	2317503-2*	2317523-2	
Coding C	Blue	2320008-3*	2317503-3*	2317523-3*	
Coding D	Violet	2320008-4*	2317503-4*	2317523-4*	

* on request

Mating PCB Header see page 107

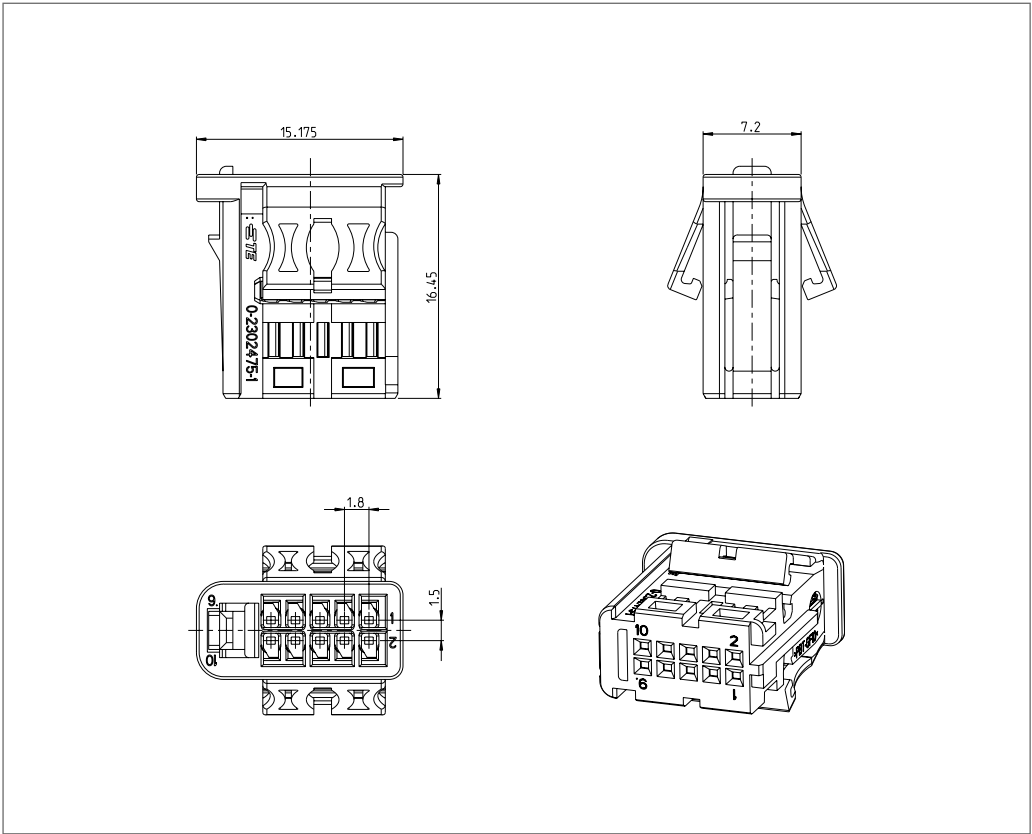




Technical Features

- No. of Positions:
10 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

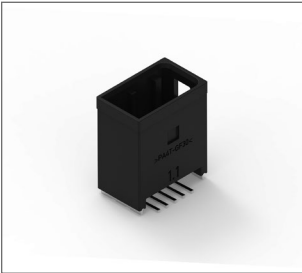
Receptacle Housings - 2 Row Design - 10 Positions



Keying Options	Housing Color	Part Numbers			Contacts
		Receptacle Housing	Mating PCB Headers		
			Right Angle	Vertical	
Coding A	Black	2302475-1	2317505-1*	2317525-1	x-1703930-x
Coding B	Natural	2302475-2	2317505-2*	2317525-2	
Coding C	Blue	2302475-3	2317505-3*	2317525-3*	
Coding D	Violet	2302475-4	2317505-4*	2317525-4*	

* on request

Mating PCB Header
Vertical see page 108

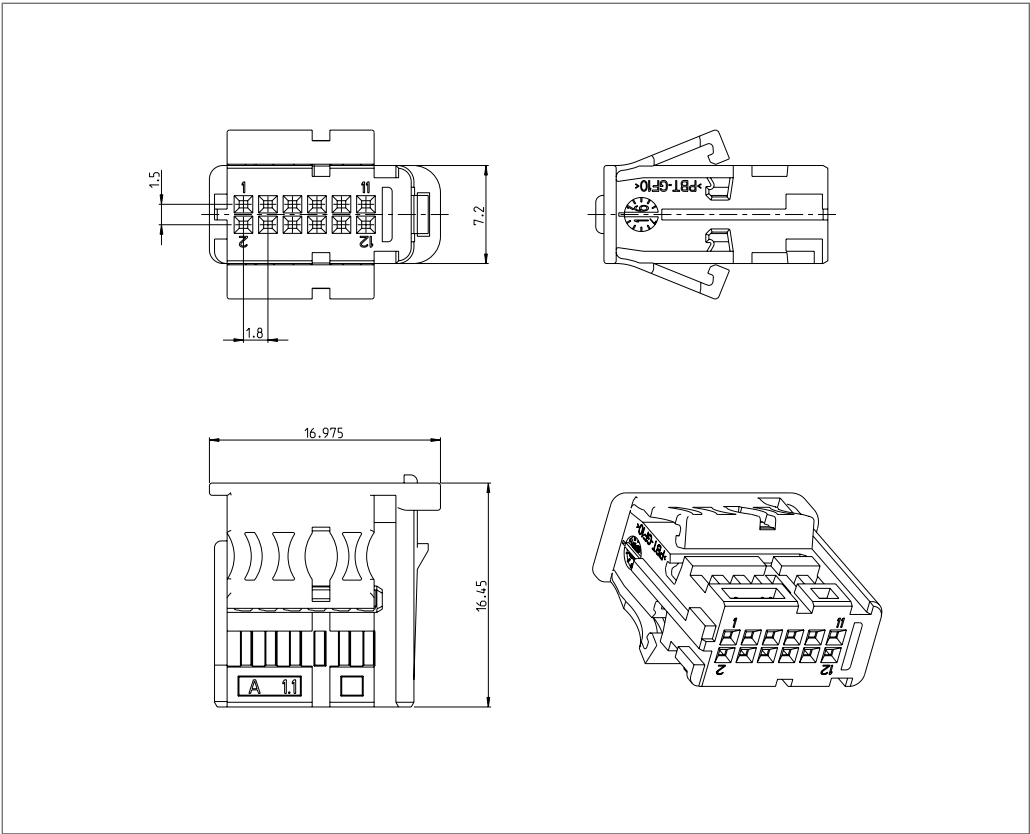




Technical Features

- No. of Positions:
12 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 - 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 12 Positions



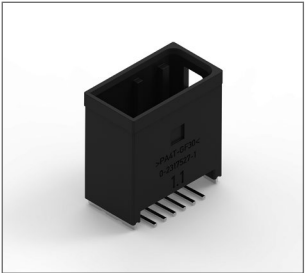
Keying Options	Housing Color	Part Numbers			Contacts
		Receptacle Housing	Mating PCB Headers		
			Right Angle	Vertical	
Coding A	Black	2312212-1	2317507-1	2317527-1	x-1703930-x
Coding B	Natural	2312212-2	2317507-2	2317527-2	
Coding C	Blue	2312212-3*	2317507-3*	2317527-3*	
Coding D	Violet	2312212-4*	2317507-4*	2317527-4*	

* on request

Mating PCB Header
Right Angle see page 103



Mating PCB Header
Vertical see page 109

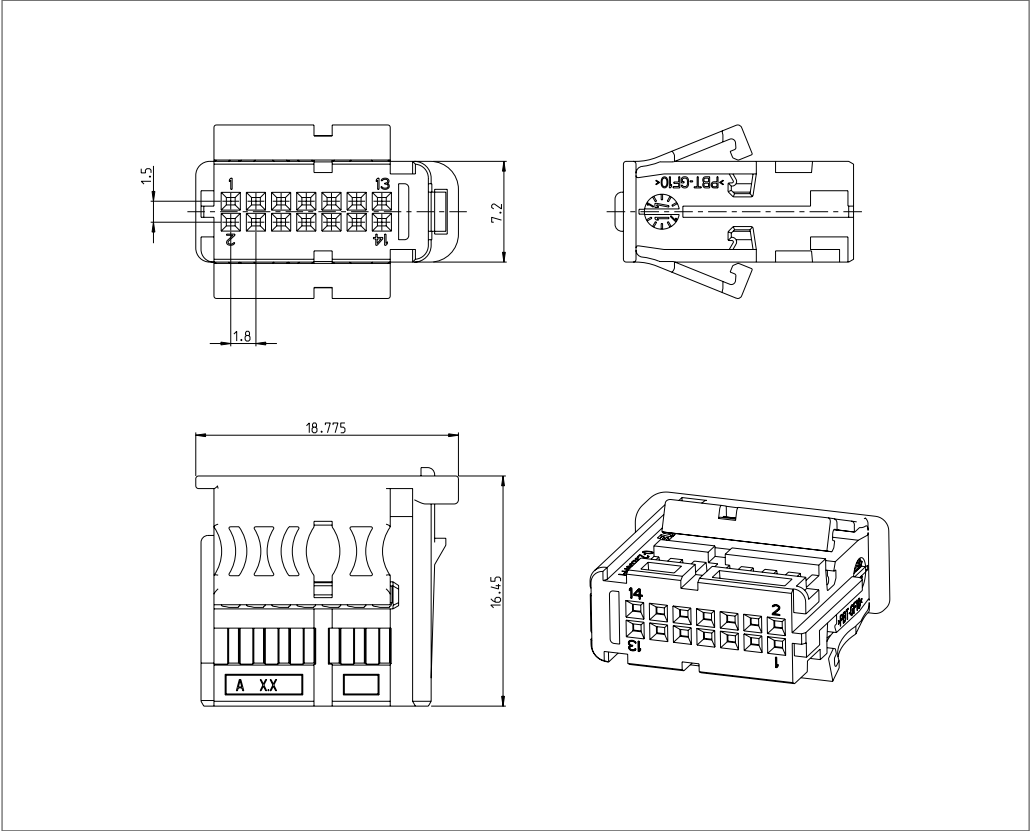




Technical Features

- No. of Positions:
14 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 14 Positions



Keying Options	Housing Color	Part Numbers			Contacts
		Receptacle Housing	Mating PCB Headers		
			Right Angle	Vertical	
Coding A	Black	2320014-1	2317509-1	2317529-1*	x-1703930-x
Coding B	Natural	2320014-2	2317509-2	2317529-2*	
Coding C	Blue	2320014-3*	2317509-3*	2317529-3*	
Coding D	Violet	2320014-4*	2317509-4*	2317529-4*	

* on request

Mating PCB Header
Right Angle see page 104

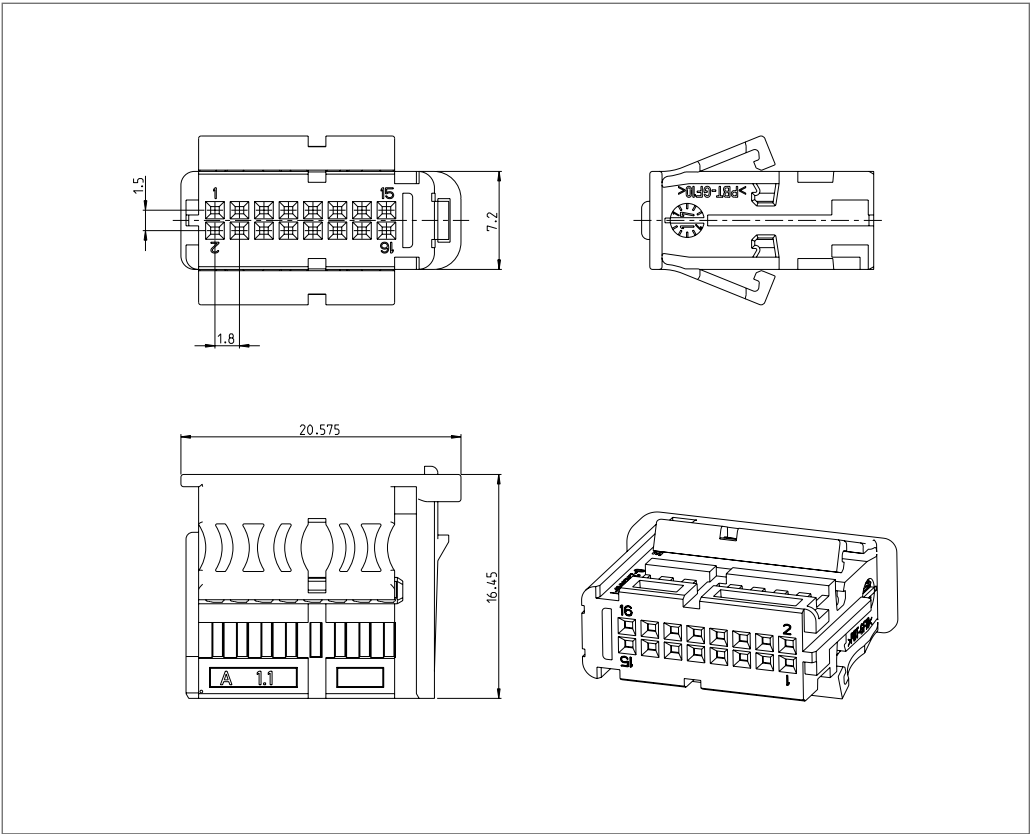




Technical Features

- No. of Positions:
16 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

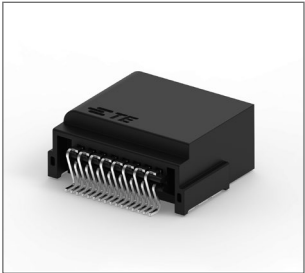
Receptacle Housings - 2 Row Design - 16 Positions



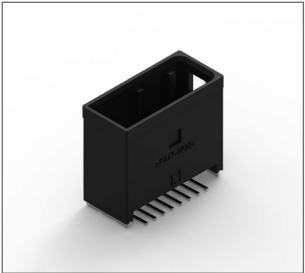
Keying Options	Housing Color	Part Numbers			
		Receptacle Housing	Mating PCB Headers		Contacts
			Right Angle	Vertical	
Coding A	Black	2320016-1	2317511-1	2317531-1	x-1703930-x
Coding B	Natural	2320016-2	2317511-2	2317531-2	
Coding C	Blue	2320016-3*	2317511-3*	2317531-3*	
Coding D	Violet	2320016-4*	2317511-4*	2317531-4*	

* on request

Mating PCB Header
Right Angle see page 105



Mating PCB Header
Vertical see page 110

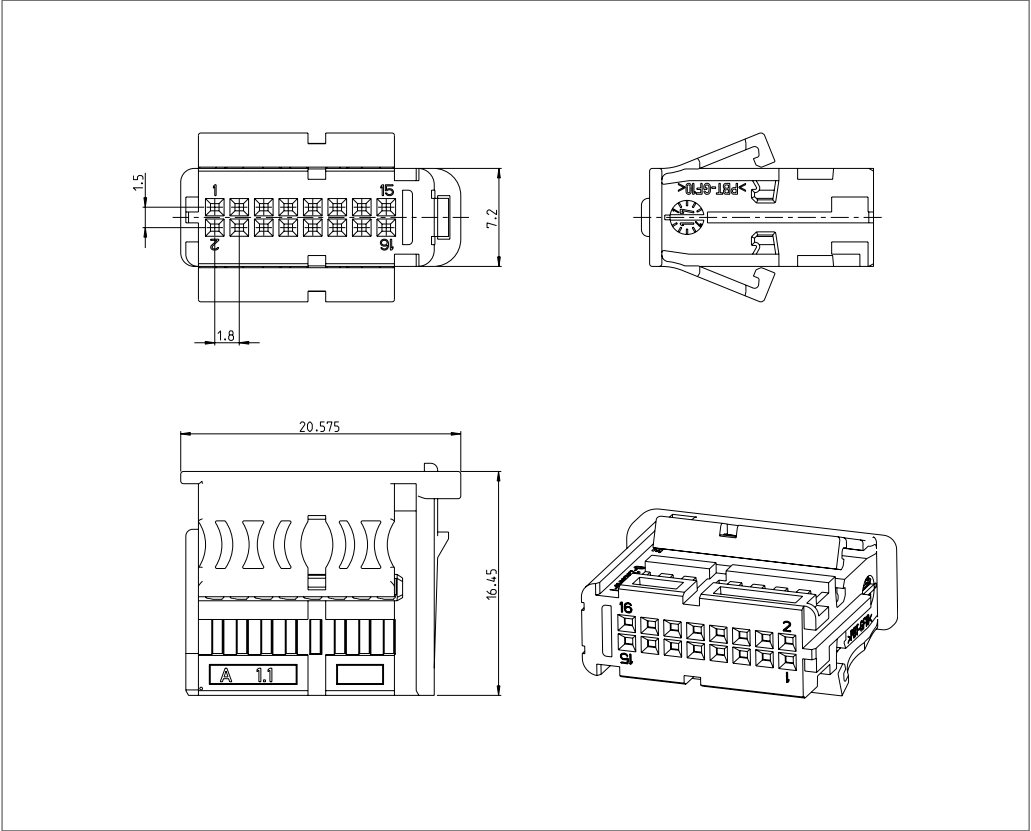




Technical Features

- No. of Positions:
18 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 18 Positions



Keying Options	Housing Color	Part Numbers			Contacts
		Receptacle Housing	Mating PCB Headers		
			Right Angle	Vertical	
Coding A	Black	2312218-1	2317513-1*	2317533-1*	x-1703930-x
Coding B	Natural	2312218-2	2317513-2*	2317533-2*	
Coding C	Blue	2312218-3*	2317513-3*	2317533-3*	
Coding D	Violet	2312218-4*	2317513-4*	2317533-4*	

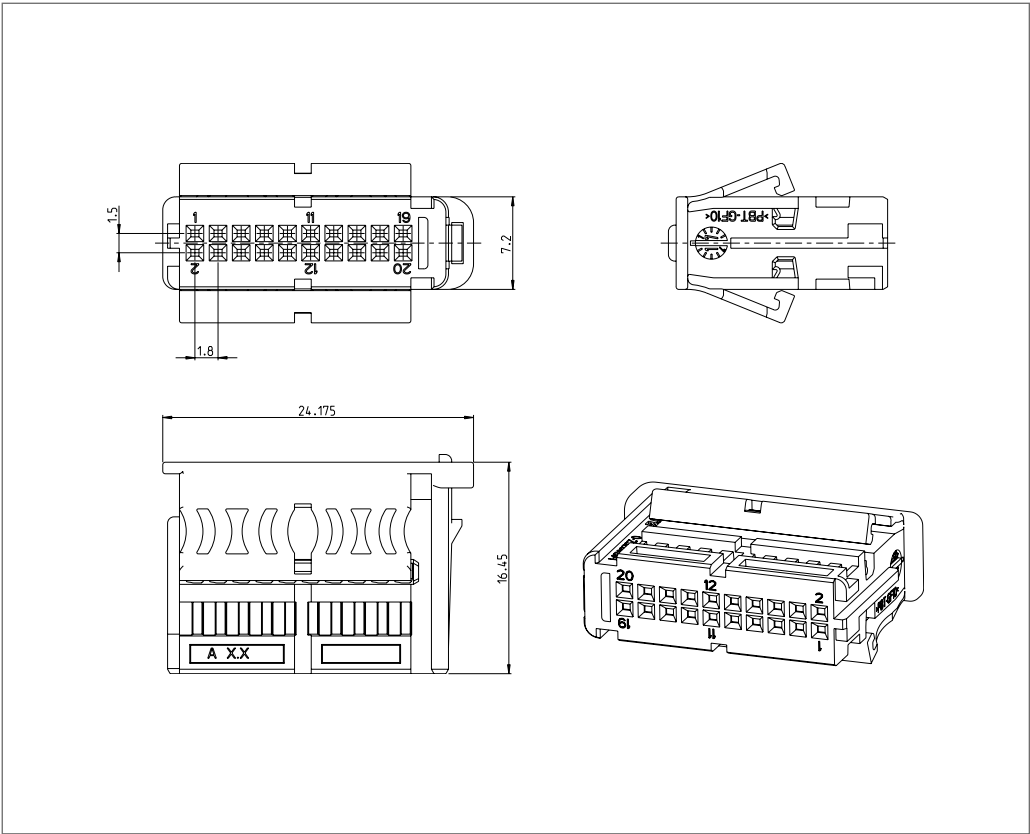
* on request



Technical Features

- No. of Positions:
20 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 - 0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 20 Positions



Keying Options	Housing Color	Part Numbers			
		Receptacle Housing	Mating PCB Headers		Contacts
			Right Angle	Vertical	
Coding A	Black	2320020-1	2317515-1	2317535-1*	x-1703930-x
Coding B	Natural	2320020-2	2317515-2	2317535-2*	
Coding C	Blue	2320020-3*	2317515-3*	2317535-3*	
Coding D	Violet	2320020-4*	2317515-4*	2317535-4*	

* on request

Mating PCB Header
Right Angle see page 106

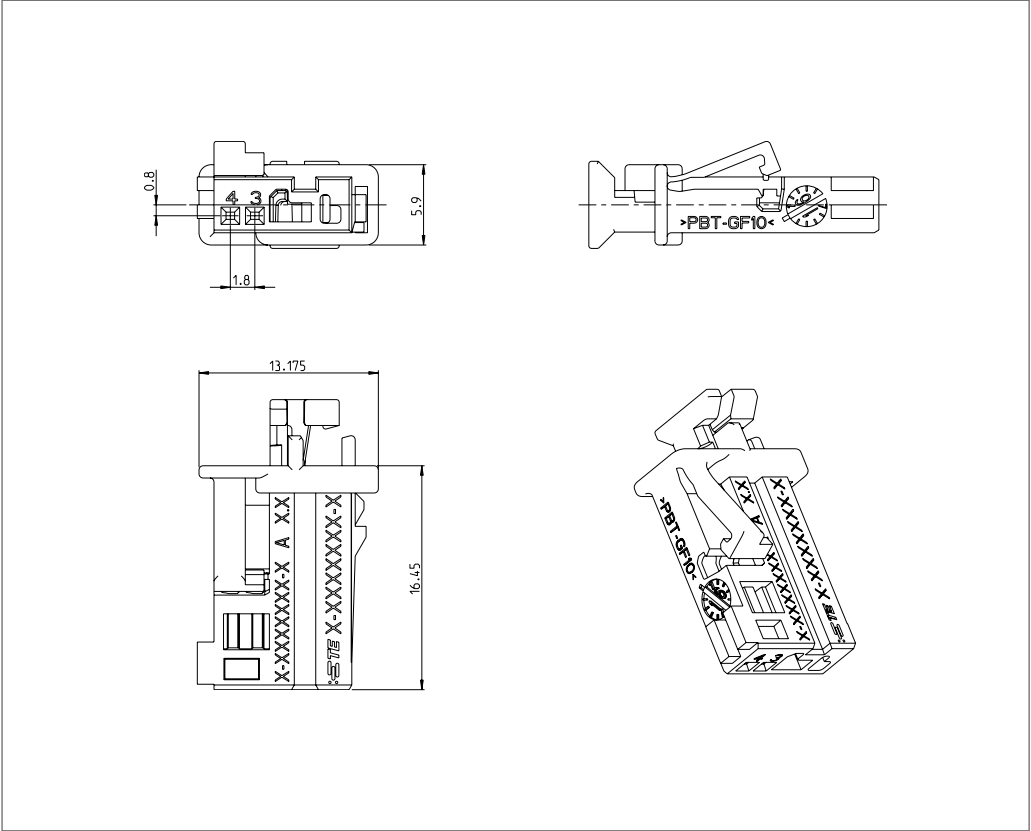




Technical Features

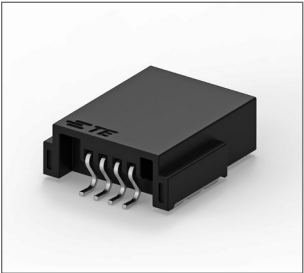
- No. of Positions:
2 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
208-18060
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 1 Row Design - 2 Pos with CPA

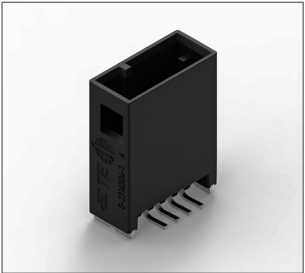


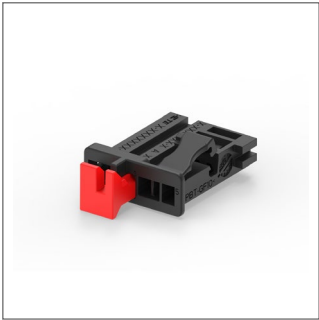
Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2333102-1	Yes	2315405-1	2314503-1	x-1703930-x
Coding B	Natural	2333102-2		2315405-2	2314503-2	

Mating PCB Header
Right Angle see page 92



Mating PCB Header
Vertical Angle see page 98

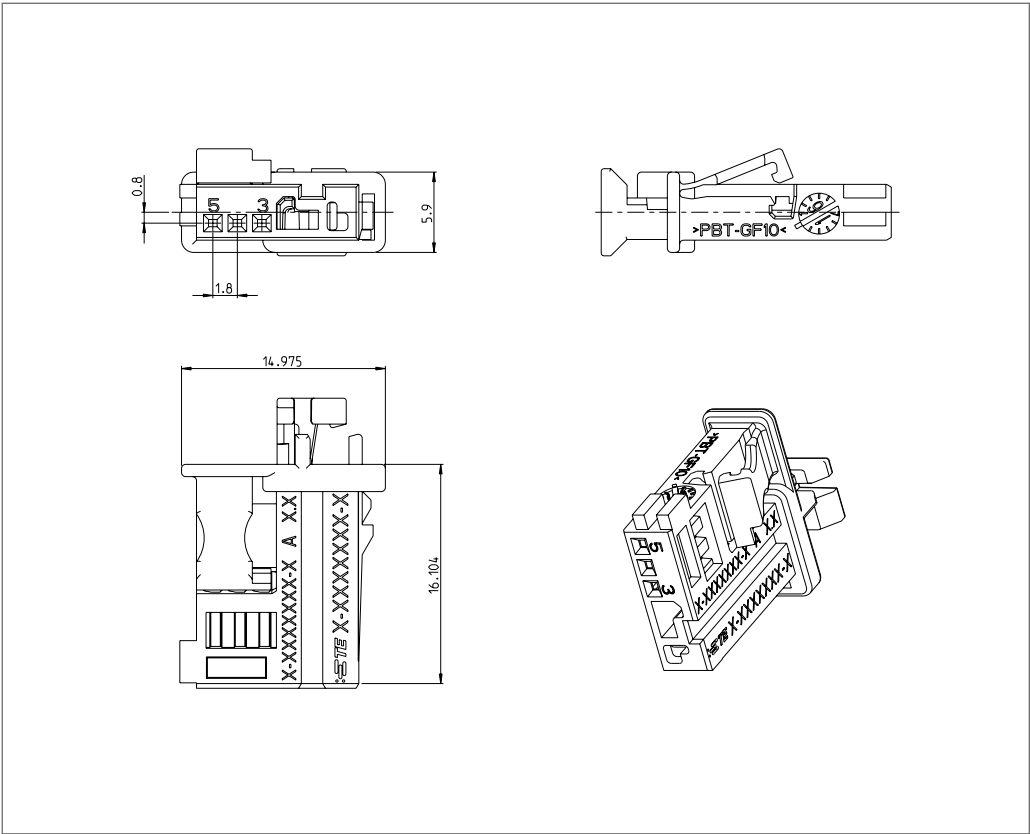




Technical Features

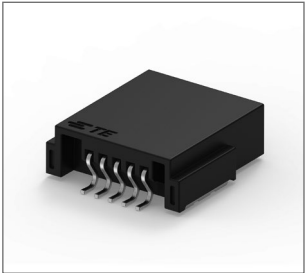
- No. of Positions:
3 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
208-18060
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 1 Row Design - 3 Pos with CPA

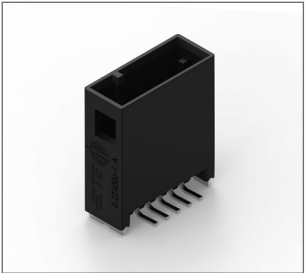


Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2333103-1	Yes	2315407-1	2314505-1	x-1703930-x
Coding B	Natural	2333103-2		2315407-2	2314505-2	
Coding C	Blue	2333103-3		2315407-3*	2314505-3	

Mating PCB Header
Right Angle see page 93



Mating PCB Header
Vertical Angle see page 99

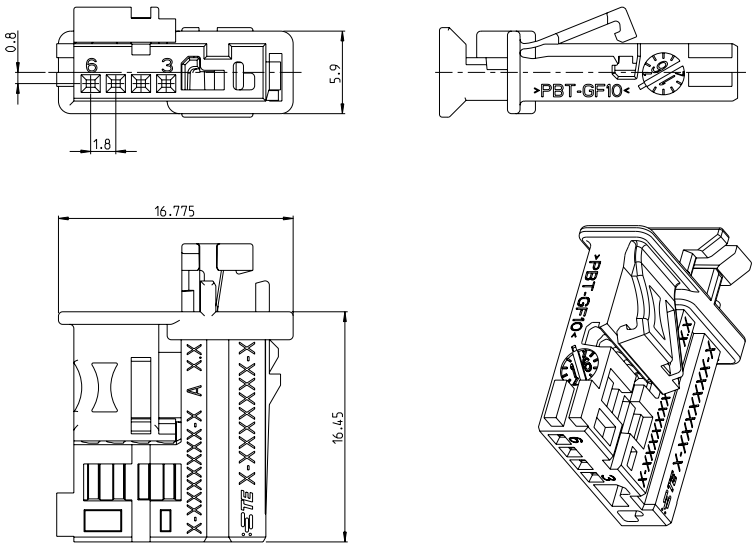




Technical Features

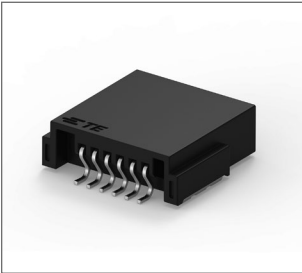
- No. of Positions:
4 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
208-18060
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 1 Row Design - 4 Pos with CPA

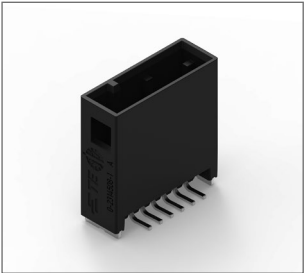


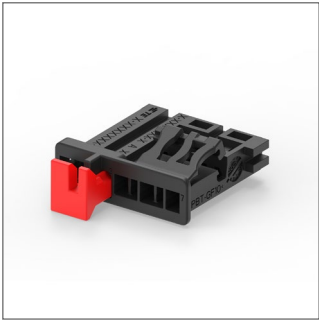
Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2333104-1	Yes	2311714-1	2314507-1	x-1703930-x
Coding B	Natural	2333104-2		2311714-2	2314507-2	

Mating PCB Header
Right Angle see page 94



Mating PCB Header
Vertical Angle see page 100

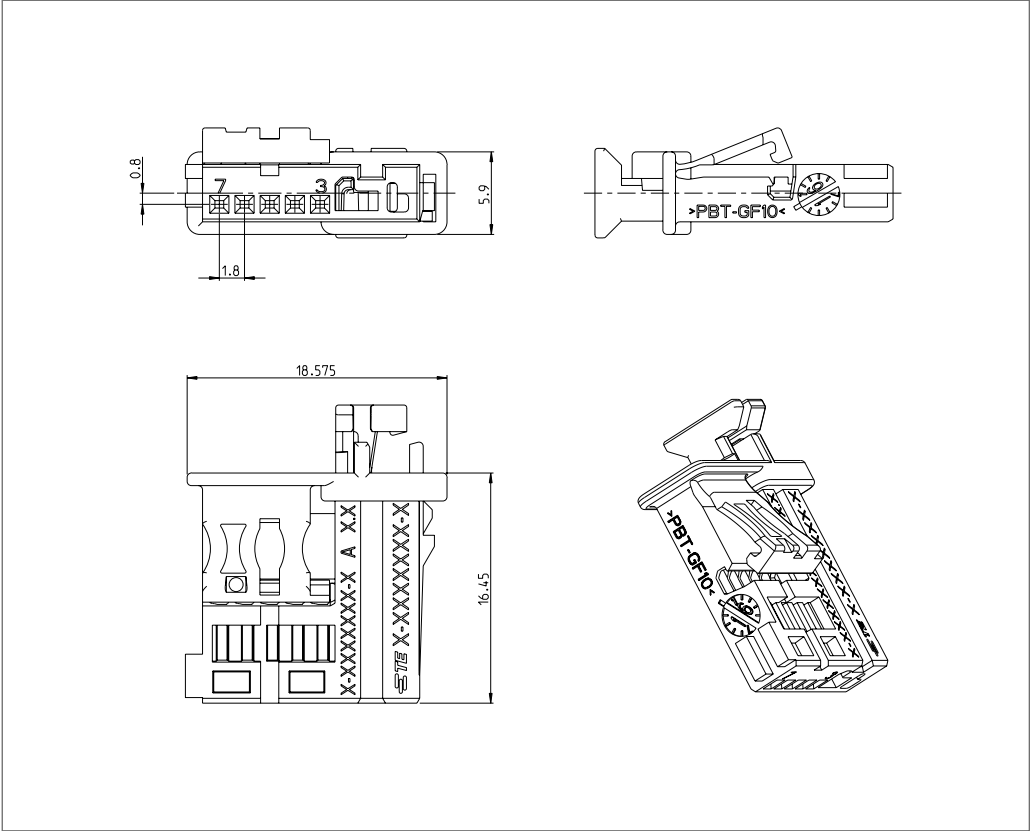




Technical Features

- No. of Positions:
5 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
208-18060
- Product Specification:
108-94288
- Application Specification:
114-94491

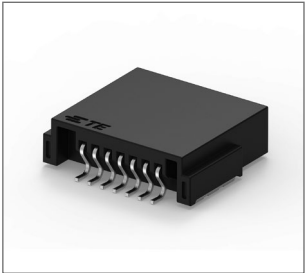
Receptacle Housings - 1 Row Design - 5 Pos with CPA



Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2333105-1	Yes	2315409-1	2314509-1*	x-1703930-x
Coding B	Natural	2333105-2		2315409-2	2314509-2*	

* on request

Mating PCB Header
Right Angle see page 95

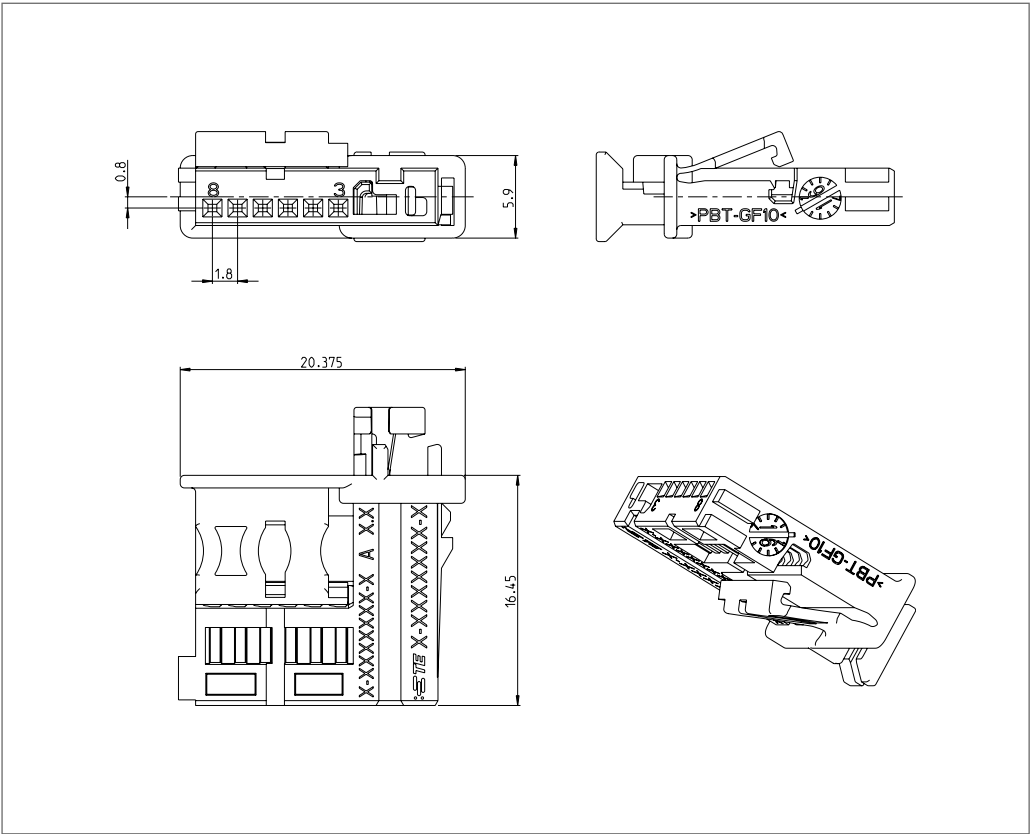




Technical Features

- No. of Positions:
6 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
208-18060
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 1 Row Design - 6 Pos with CPA

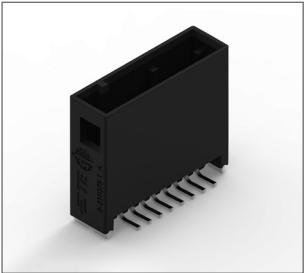


Keying Options	Housing Color	Part Numbers				
		Receptacle Housing	CPA	Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2309873-1	Yes	2315411-1	2311396-1	x-1703930-x
Coding B	Natural	2309873-2		2315411-2	2311396-2	
Coding C	Blue	2309873-3		2315411-3	2311396-3	

Mating PCB Header
Right Angle see page 96



Mating PCB Header
Vertical Angle see page 101

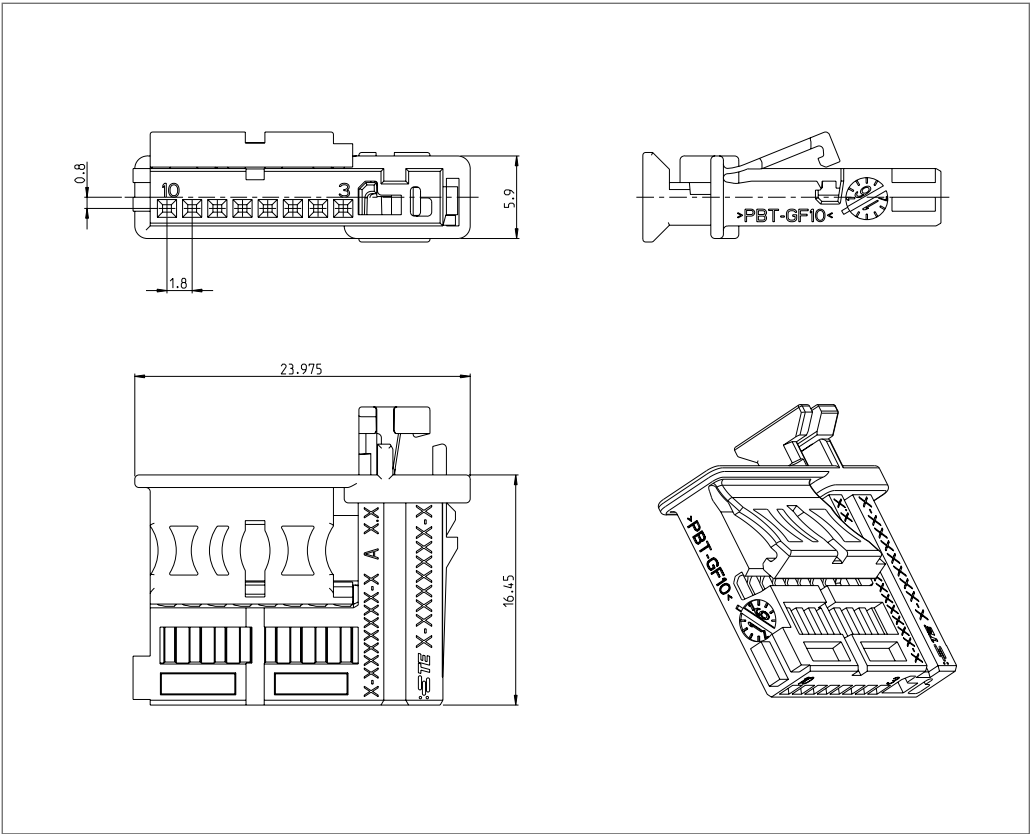




Technical Features

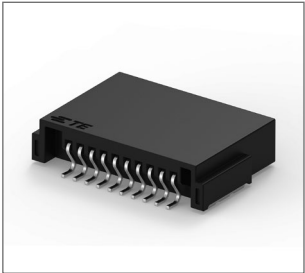
- No. of Positions:
8 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
208-18060
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 1 Row Design - 8 Pos with CPA

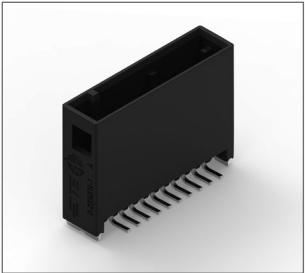


Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2333108-1	Yes	2315415-1	2314513-1	x-1703930-x
Coding B	Natural	2333108-2		2315415-2	2314513-2	

Mating PCB Header
Right Angle see page 97



Mating PCB Header
Vertical Angle see page 102

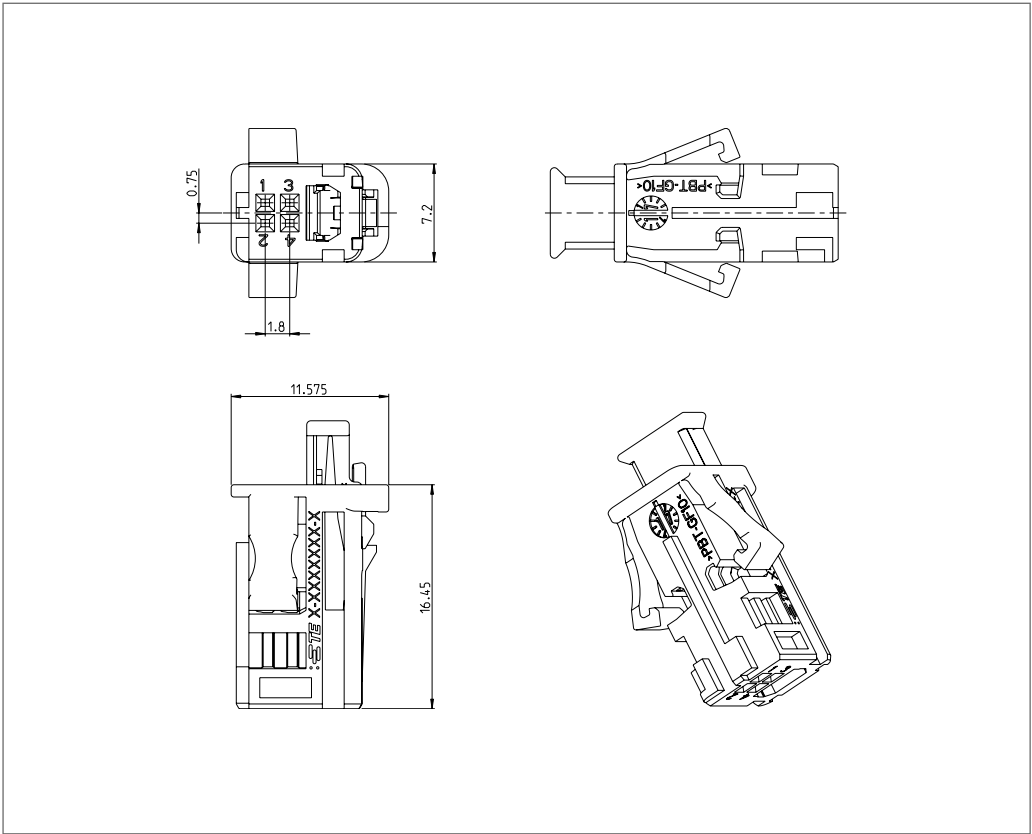




Technical Features

- No. of Positions:
4 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 4 Pos with CPA



Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2345104-1	Yes	2317501-1*	2317521-1*	x-1703930-x
Coding B	Natural	2345104-2		2317501-2*	2317521-2*	
Coding C	Blue	2345104-3*		2317501-3*	2317521-3*	
Coding D	Violet	2345104-4*		2317501-4*	2317521-4*	

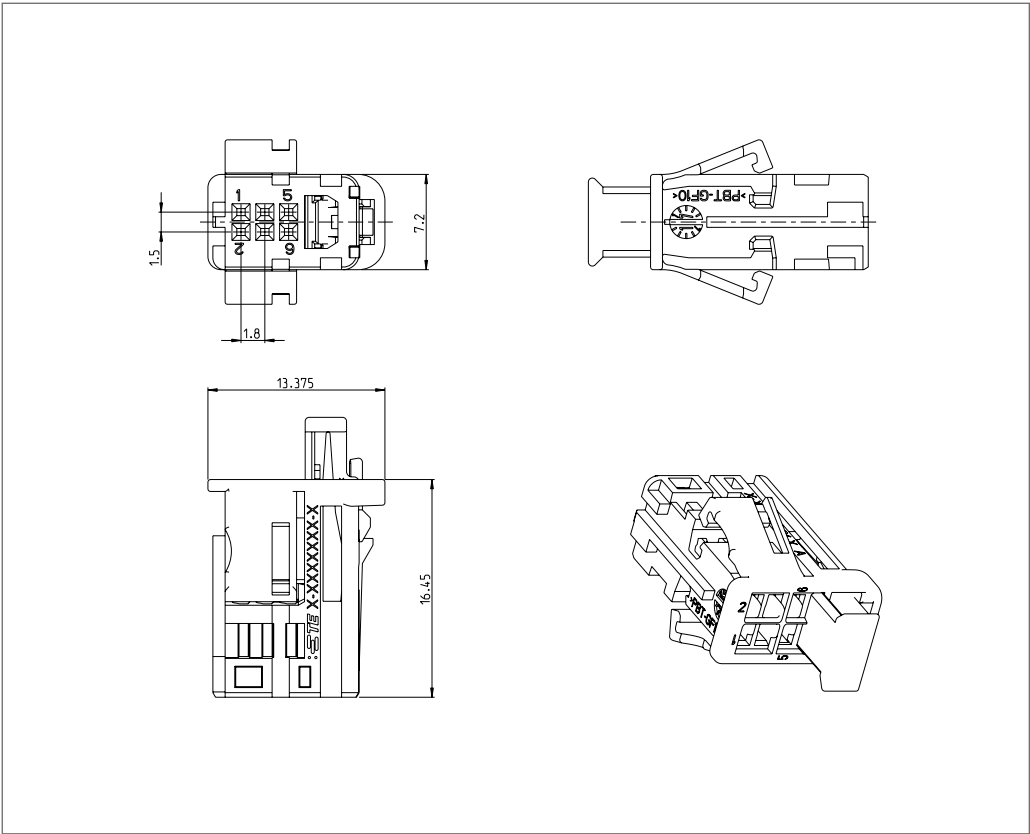
* on request



Technical Features

- No. of Positions:
6 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

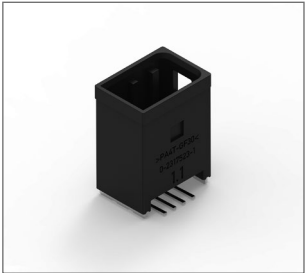
Receptacle Housings - 2 Row Design - 6 Pos with CPA

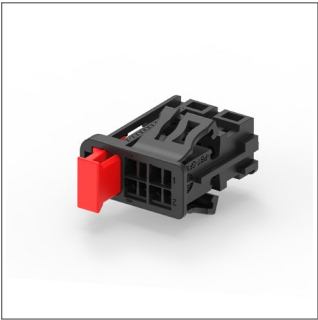


Keying Options	Housing Color	Part Numbers				
		Receptacle Housing	CPA	Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312106-1	Yes	2317503-1*	2317523-1	x-1703930-x
Coding B	Natural	2312106-2		2317503-2*	2317523-2	
Coding C	Blue	2312106-3*		2317503-3*	2317523-3*	
Coding D	Violet	2312106-4*		2317503-4*	2317523-4*	

* on request

Mating PCB Header
Vertical Angle see page 107

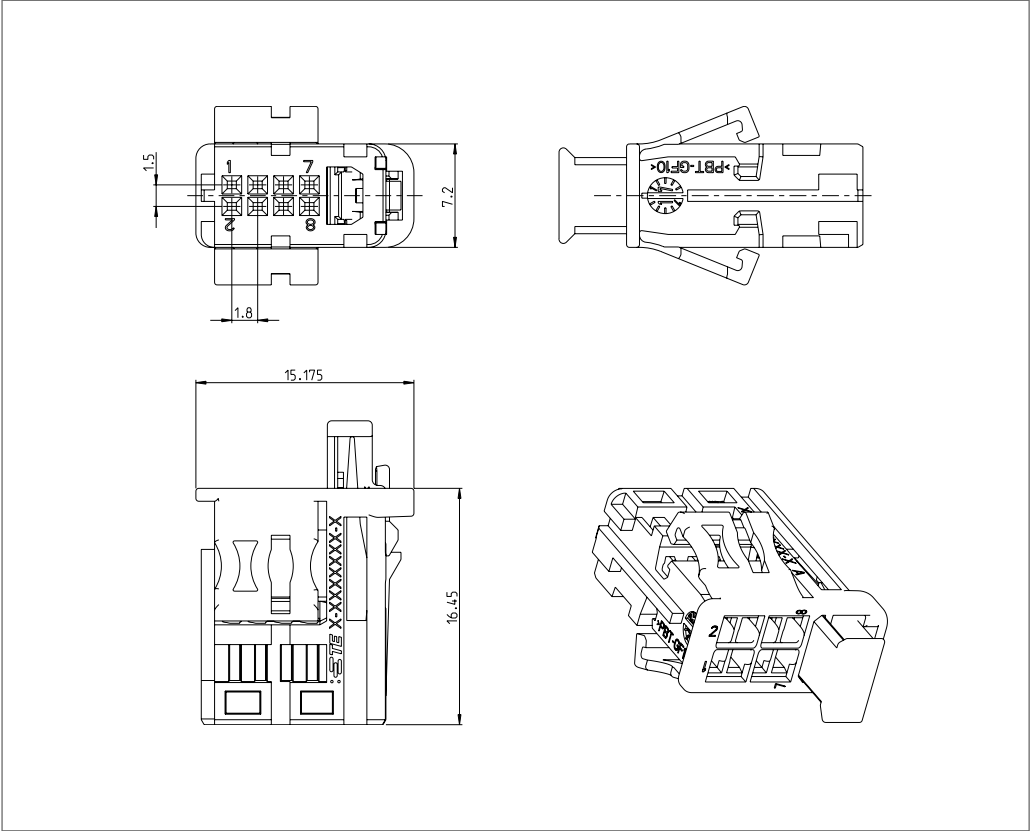




Technical Features

- No. of Positions:
8 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

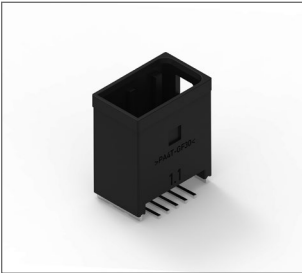
Receptacle Housings - 2 Row Design - 8 Pos with CPA

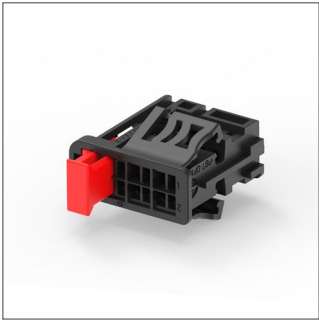


Keying Options	Housing Color	Part Numbers				
		Receptacle Housing	CPA	Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312108-1	Yes	2317505-1*	2317525-1	x-1703930-x
Coding B	Natural	2312108-2		2317505-2*	2317525-2	
Coding C	Blue	2312108-3*		2317505-3*	2317525-3*	
Coding D	Violet	2312108-4*		2317505-4*	2317525-4*	

* on request

Mating PCB Header
Vertical Angle see page 108

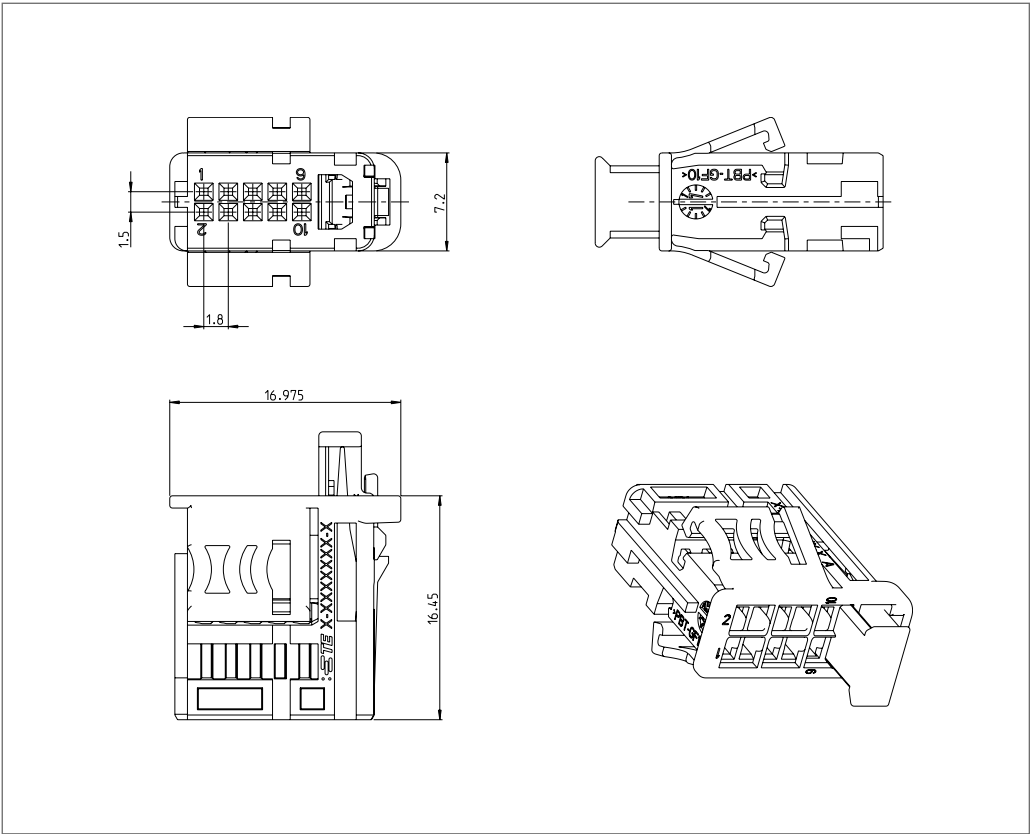




Technical Features

- No. of Positions:
10 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

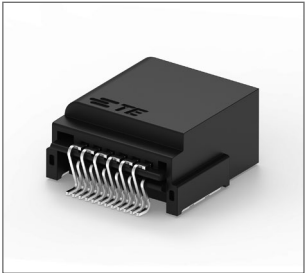
Receptacle Housings - 2 Row Design - 10 Pos with CPA



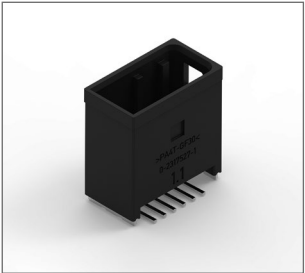
Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312110-1	Yes	2317507-1	2317527-1	x-1703930-x
Coding B	Natural	2312110-2		2317507-2	2317527-2	
Coding C	Blue	2312110-3*		2317507-3*	2317527-3*	
Coding D	Violet	2312110-4*		2317507-4*	2317527-4*	

* on request

Mating PCB Header
Right Angle see page 103



Mating PCB Header
Vertical Angle see page 109

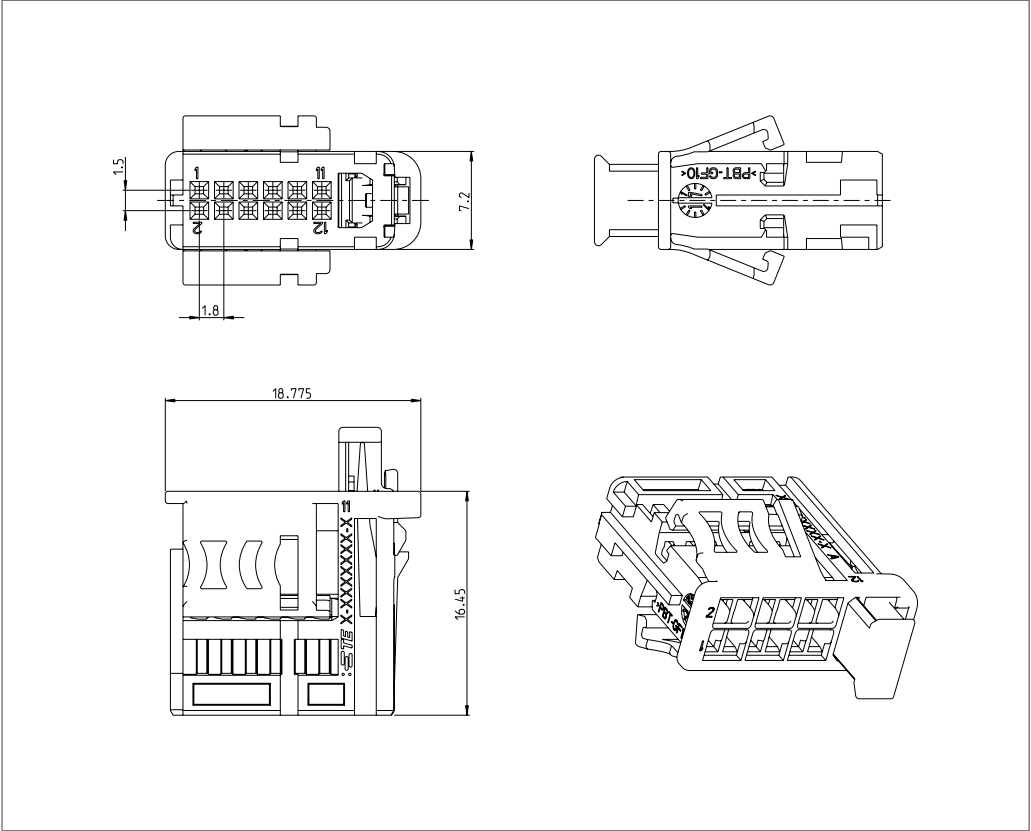




Technical Features

- No. of Positions:
12 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 12 Pos with CPA



Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312112-1	Yes	2317509-1	2317529-1*	x-1703930-x
Coding B	Natural	2312112-2		2317509-2	2317529-2*	
Coding C	Blue	2312112-3*		2317509-3*	2317529-3*	
Coding D	Violet	2312112-4*		2317509-4*	2317529-4*	

* on request

Mating PCB Header
Right Angle see page 104

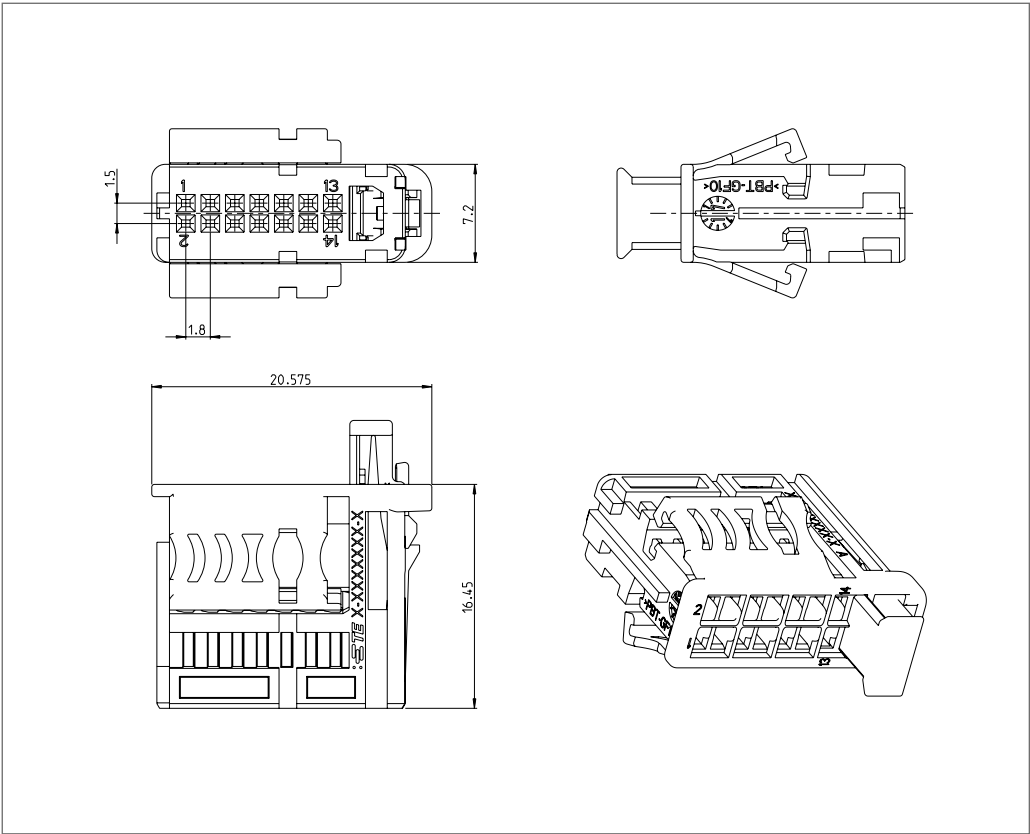




Technical Features

- No. of Positions:
14 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

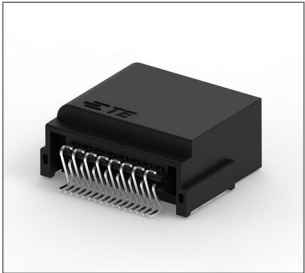
Receptacle Housings - 2 Row Design - 14 Pos with CPA



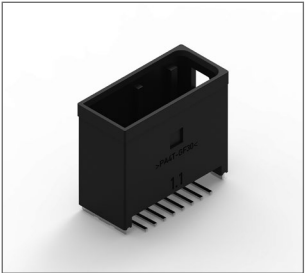
Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312114-1	Yes	2317511-1	2317531-1	x-1703930-x
Coding B	Natural	2312114-2		2317511-2	2317531-2	
Coding C	Blue	2312114-3*		2317511-3*	2317531-3*	
Coding D	Violet	2312114-4*		2317511-4*	2317531-4*	

* on request

Mating PCB Header
Right Angle see page 105



Mating PCB Header
Vertical Angle see page 110

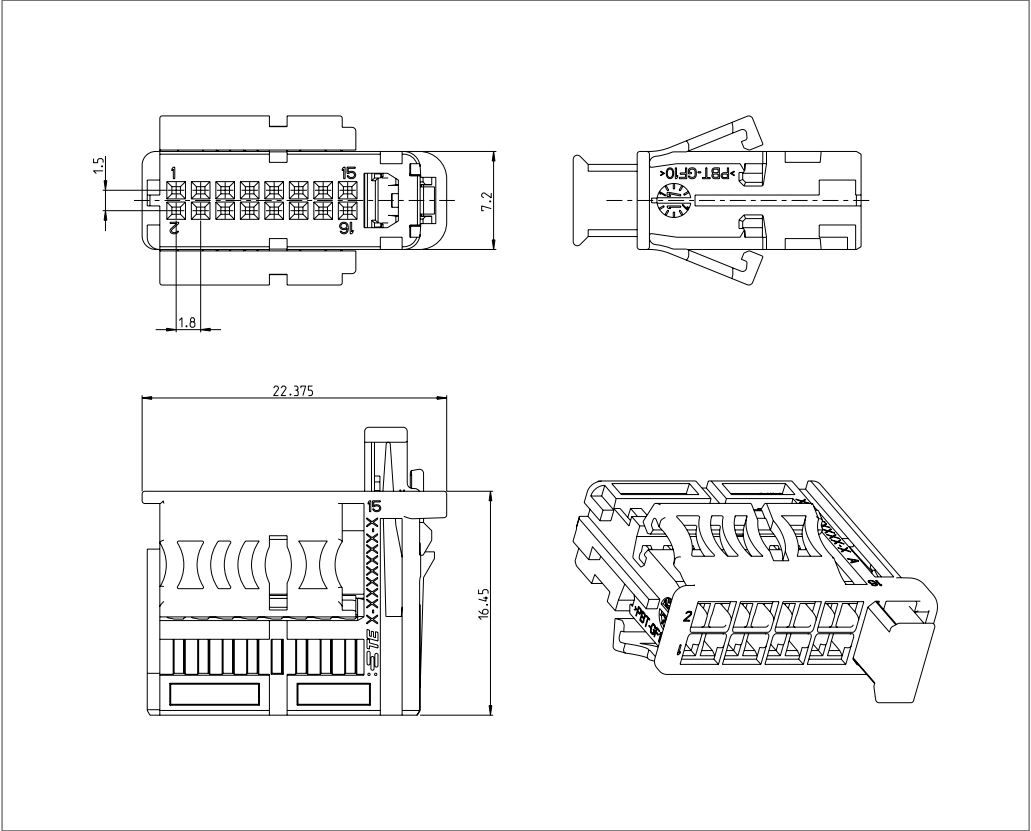




Technical Features

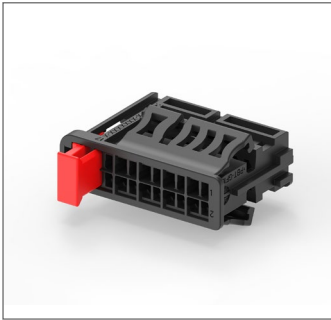
- No. of Positions:
16 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 16 Pos with CPA



Keying Options	Housing Color	Part Numbers				
		Receptacle Housing	CPA	Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312116-1	Yes	2317513-1*	2317533-1*	x-1703930-x
Coding B	Natural	2312116-2		2317513-2*	2317533-2*	
Coding C	Blue	2312116-3*		2317513-3*	2317533-3*	
Coding D	Violet	2312116-4*		2317513-4*	2317533-4*	

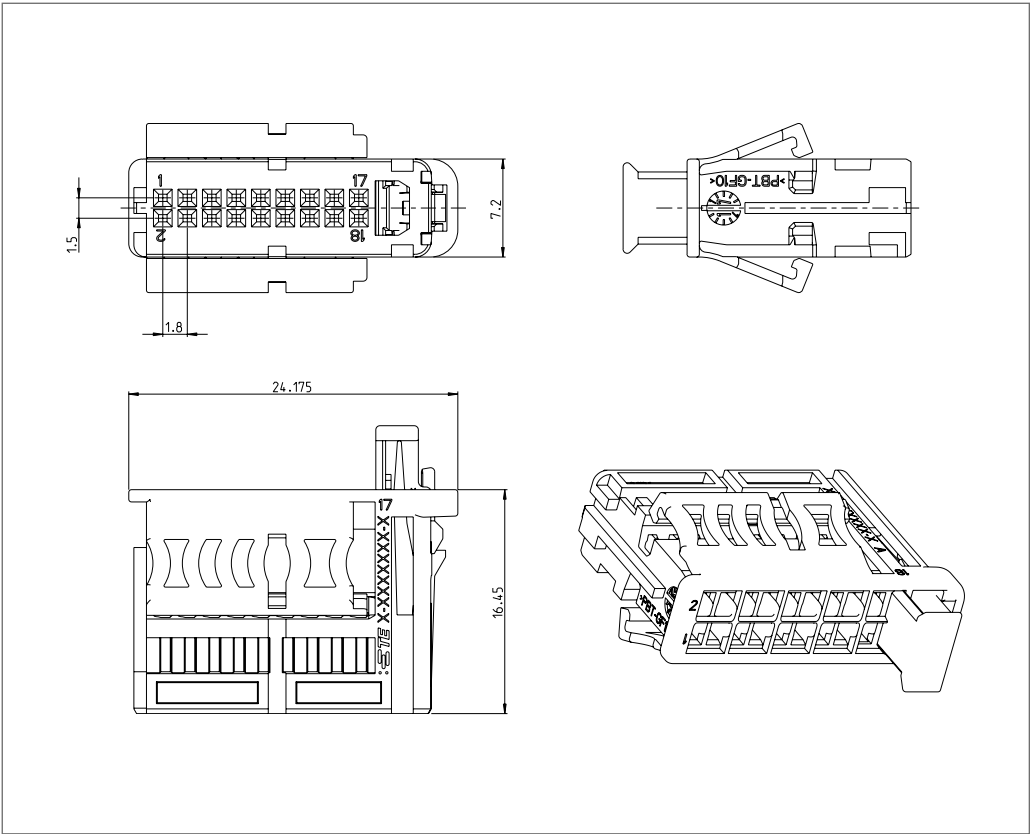
* on request



Technical Features

- No. of Positions:
18 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

Receptacle Housings - 2 Row Design - 18 Pos with CPA



Keying Options	Housing Color	Receptacle Housing	CPA	Part Numbers		
				Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312118-1	Yes	2317515-1	2317535-1*	x-1703930-x
Coding B	Natural	2312118-2		2317515-2	2317535-2*	
Coding C	Blue	2312118-3*		2317515-3*	2317535-3*	
Coding D	Violet	2312118-4*		2317515-4*	2317535-4*	

* on request

Mating PCB Header
Right Angle see page 106

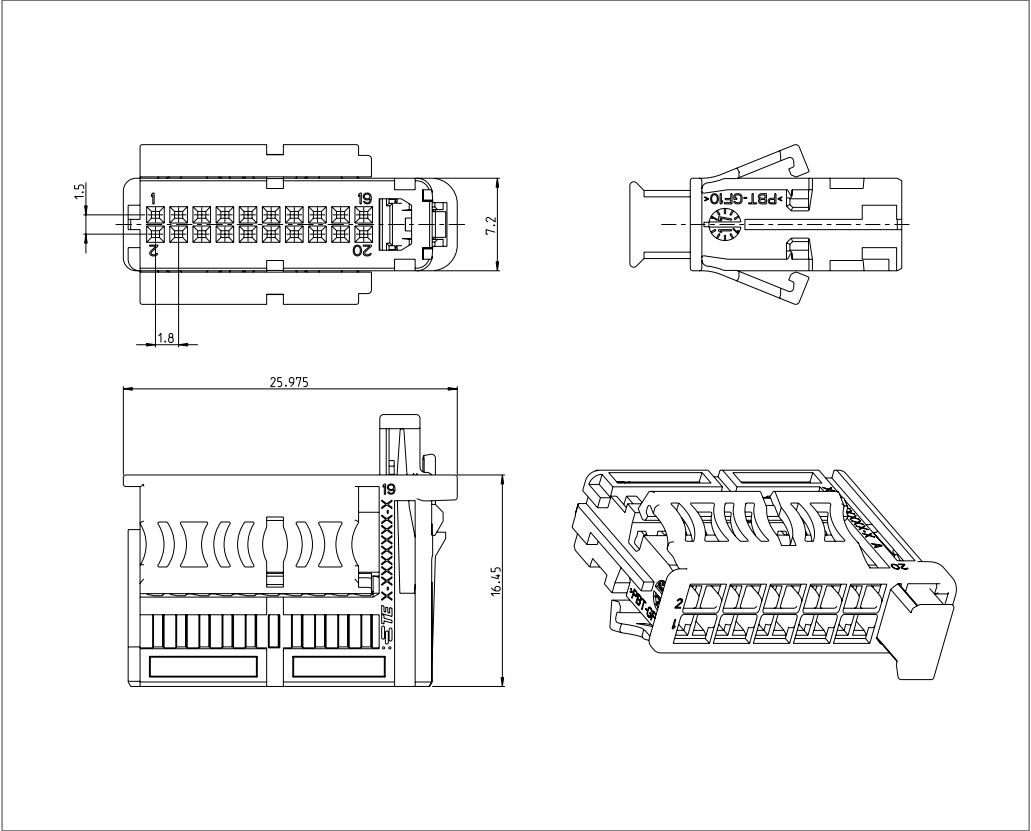




Technical Features

- No. of Positions:
20 Positions
- Housing Material
PBT-GF10
- Wire Size Range:
0.13-0.35 mm²
- Interface:
114-94000-20
- Product Specification:
108-94288
- Application Specification:
114-94491

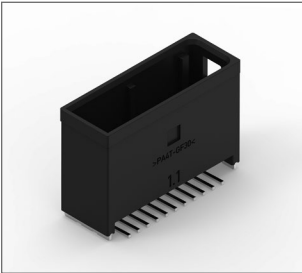
Receptacle Housings - 2 Row Design - 20 Pos with CPA



Keying Options	Housing Color	Part Numbers				
		Receptacle Housing	CPA	Mating PCB Headers		Contacts
				Right Angle	Vertical	
Coding A	Black	2312120-1	Yes	2317517-1*	2317537-1	x-1703930-x
Coding B	Natural	2312120-2		2317517-2*	2317537-2	
Coding C	Blue	2312120-3*		2317517-3*	2317535-3*	
Coding D	Violet	2312120-4*		2317517-4*	2317535-4*	

* on request

Mating PCB Header
Vertical Angle see page 111





Miniaturization Sealed Housings

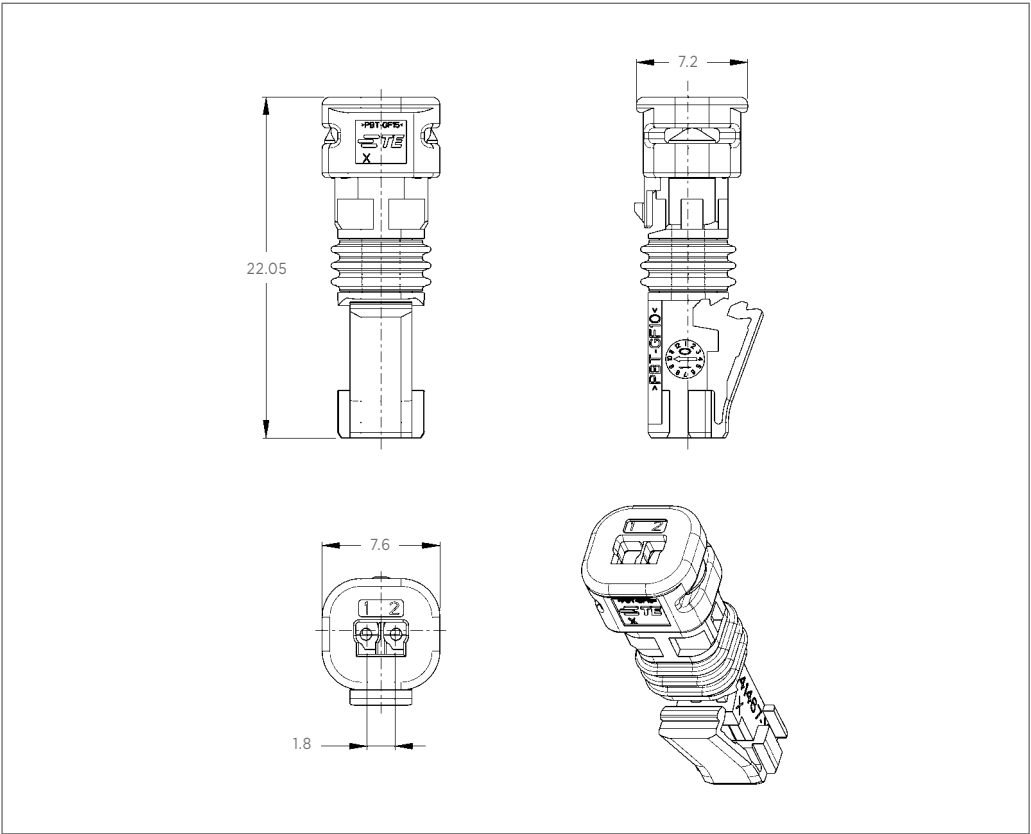
Miniaturization	1.8 mm pin-to-pin pitch
Flexibility	0.13 to 0.35 mm ² compatible wire sizes
Automotive-robust Performance	Current capacity of 3A Max. temperature: 170°C (Ag-plated) SG4 vibration grade (sealed applications) Automotive-standards conform Standard automotive interface
Wide Portfolio	Available for NanoMQS (locking lance) and MCON 0.50 (clean body) Available in 1- and 2-row versions NanoMQS: 2 up to 8 positions MCON 0.50: 3 up to 12 positions



Technical Features

- No. of Positions:
2 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.22 – 0.35mm²
- Product Specification:
108-94320
- Application Specification:
114-94174
- Extraction Tool:
1355968-1

Receptacle Housings – 2 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Interface	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2141467-1							
Coding B	Gray	2141467-2	N/A	N/A	N/A	114-94000-14 *)	←	←	x-1703930-x
Coding C	Blue	2141467-3							

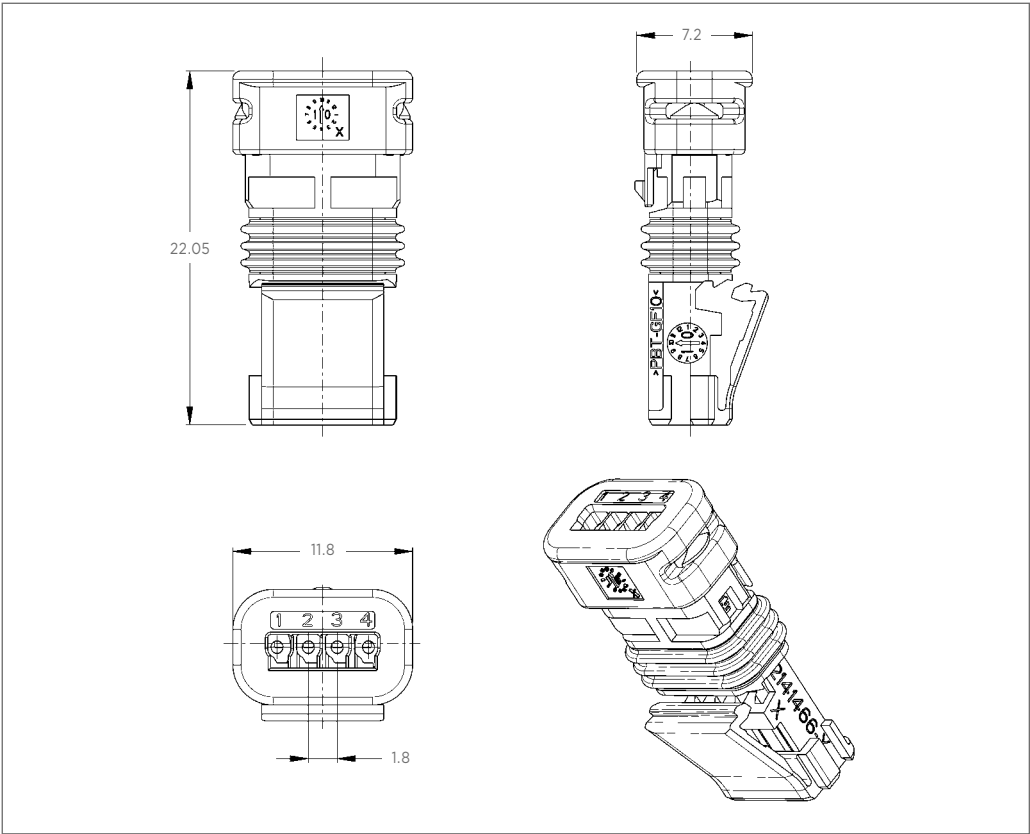
*) Interface Drawing Number



Technical Features

- No. of Positions:
4 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.22 - 0.35mm²
- Product Specification:
108-94320
- Application Specification:
114-94174
- Extraction Tool:
1355968-1

Receptacle Housings - 4 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Interface	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	2141466-1	N/A	N/A	N/A	114-94000-14 *)	←	←	x-1703930-x
Coding B	Gray	2141466-2							

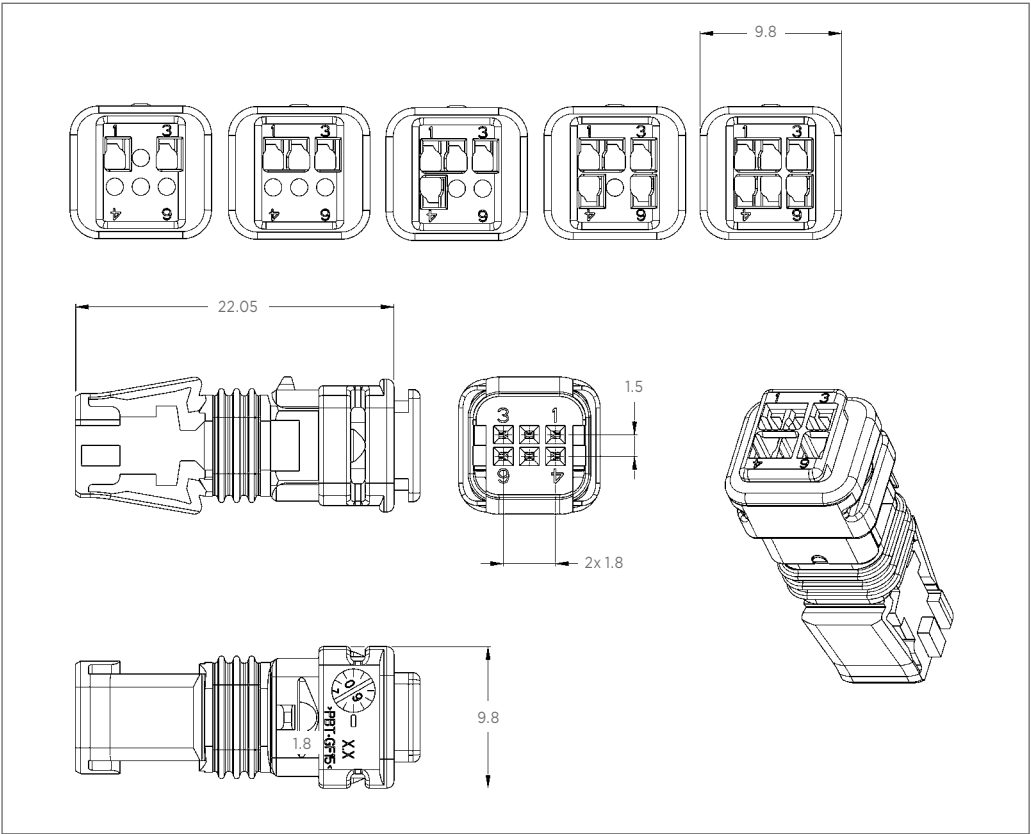
*) Interface Drawing Number



Technical Features

- No. of Positions:
2-6 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.22 – 0.35 mm²
- Product Specification:
108-94288-4
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

Receptacle Housings - 2-6 Positions



No. of Positions	Keying Options	Housing Color	Part Numbers																							
			Receptacle Housing	Cover	Locking Device	Cover and Lever	Interface	Mating PCB Headers		Contacts																
								Right Angle	Vertical																	
6	Coding A	Black	0-2112594-1	N/A	N/A	N/A	114-94000-18 *)	←	←	x-1703930-x																
	Coding B	Gray	0-2112594-2																							
	Coding C	Blue	0-2112594-3																							
5	Coding A	Black	5-2112594-1	N/A	N/A	N/A					114-94000-18 *)	←	←	x-1703930-x												
	Coding B	Gray	5-2112594-2																							
	Coding C	Blue	5-2112594-3																							
4	Coding A	Black	4-2112594-1	N/A	N/A	N/A									114-94000-18 *)	←	←	x-1703930-x								
	Coding B	Gray	4-2112594-2																							
	Coding C	Blue	4-2112594-3																							
3	Coding A	Black	3-2112594-1	N/A	N/A	N/A													114-94000-18 *)	←	←	x-1703930-x				
	Coding B	Gray	3-2112594-2																							
	Coding C	Blue	3-2112594-3																							
2	Coding A	Black	2-2112594-1	N/A	N/A	N/A																	114-94000-18 *)	←	←	x-1703930-x
	Coding B	Gray	2-2112594-2																							
	Coding C	Blue	2-2112594-3																							

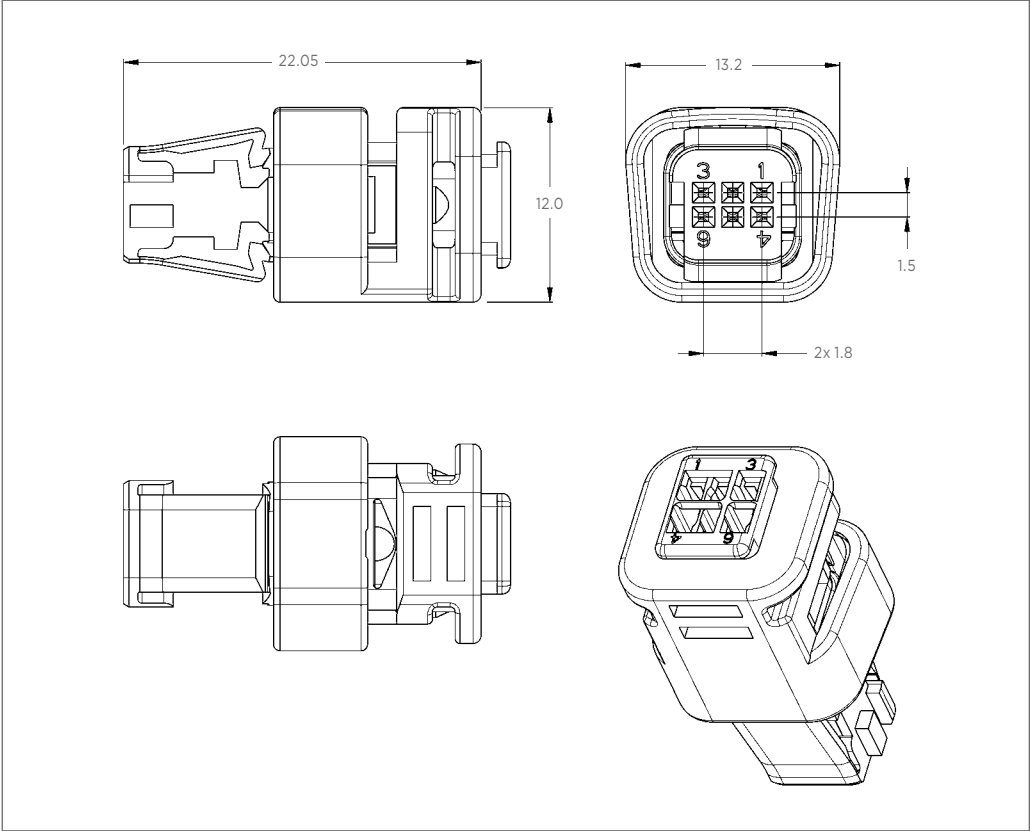
*) Interface Drawing Number



Technical Features

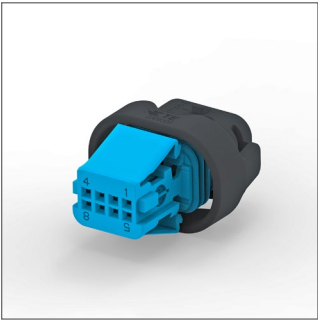
- No. of Positions:
6 Positions
- Housing Material:
PBT Glas fibre reinforced
- Wire Size Range:
0.22 - 0.35 mm²
- Product Specification:
108-94288-4
- Application Specification:
114-94033
- Extraction Tool:
1355968-1

Receptacle Housings - 6 Positions



Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Interface	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding A	Black	0-2112593-1	N/A	N/A	N/A	114-94000-18 *)	←	←	x-1703930-x
Coding B	Gray	0-2112593-2							

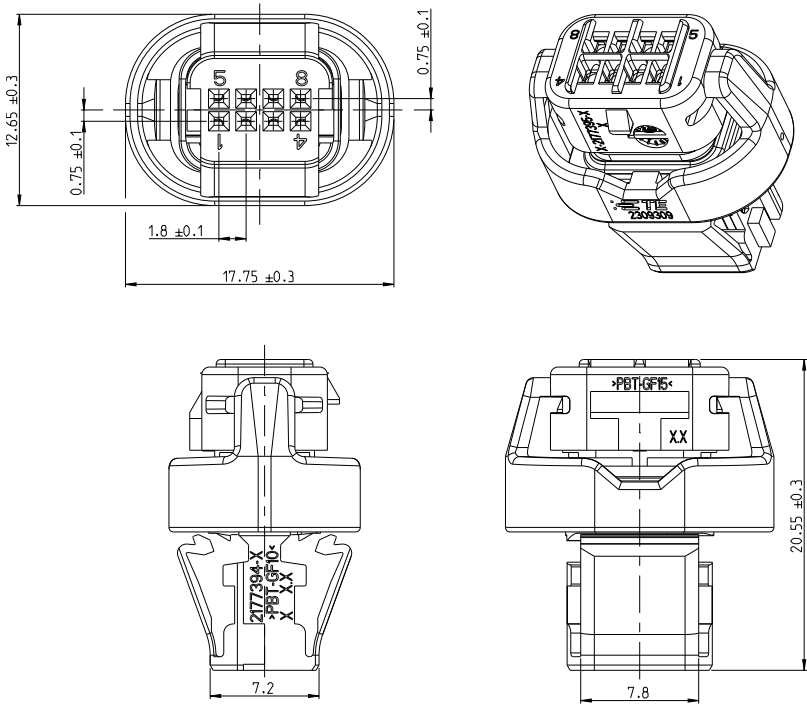
*) Interface Drawing Number



Technical Features

- No. of Positions:
8 Positions
- Housing Material:
PBT-GF10
- Wire Size Range:
0.13 - 0.35 mm²
- Interface:
208-18604-12
- Product Specification:
108-94288-4
- Application Specification:
114-94033

Receptacle Housings - 8 Positions



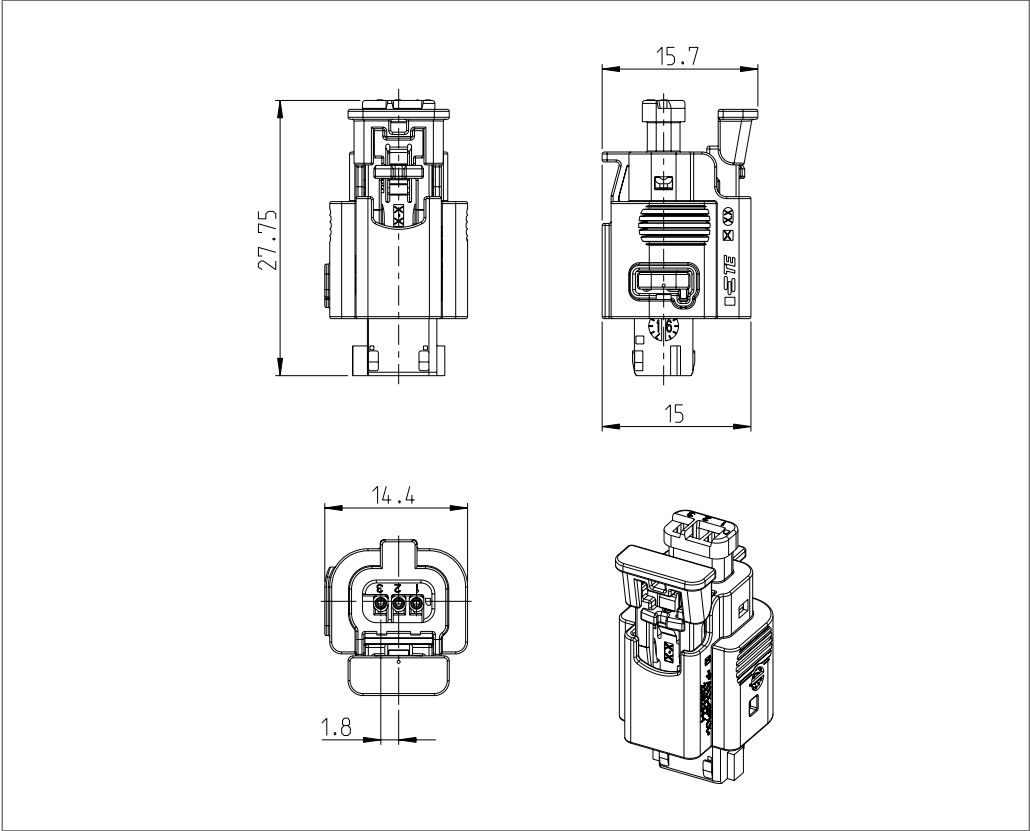
Keying Options	Housing Color	Part Numbers							
		Receptacle Housing	Cover	Locking Device	Cover and Lever	Interface	Mating PCB Headers		Contacts
							Right Angle	Vertical	
Coding C	Blue	2309309-3	N/A	N/A	N/A	208-18064-12	←	←	x-1703930-x



Technical Features

- No. of Positions:
3 Positions
- Housing Material:
PA66-GF30
- Wire Size Range:
0.13 - 0.35 mm²
- Interface:
208-18008
- Temperature Range:
-40°C ... +150°C
- Extraction Tool:
Retainer: 2-1579028-6
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:
108-94610
- Application Specification:
114-94496

Receptacle Housings - 1 Row Design - 3 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2316210-1	2236139-1	208-18008	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2316210-2					
Coding C	Blue	2316210-3*					
Coding D	Green	2316210-4*					
Coding E	Brown	2316210-5*					
Coding F	Gray	2316210-6*					

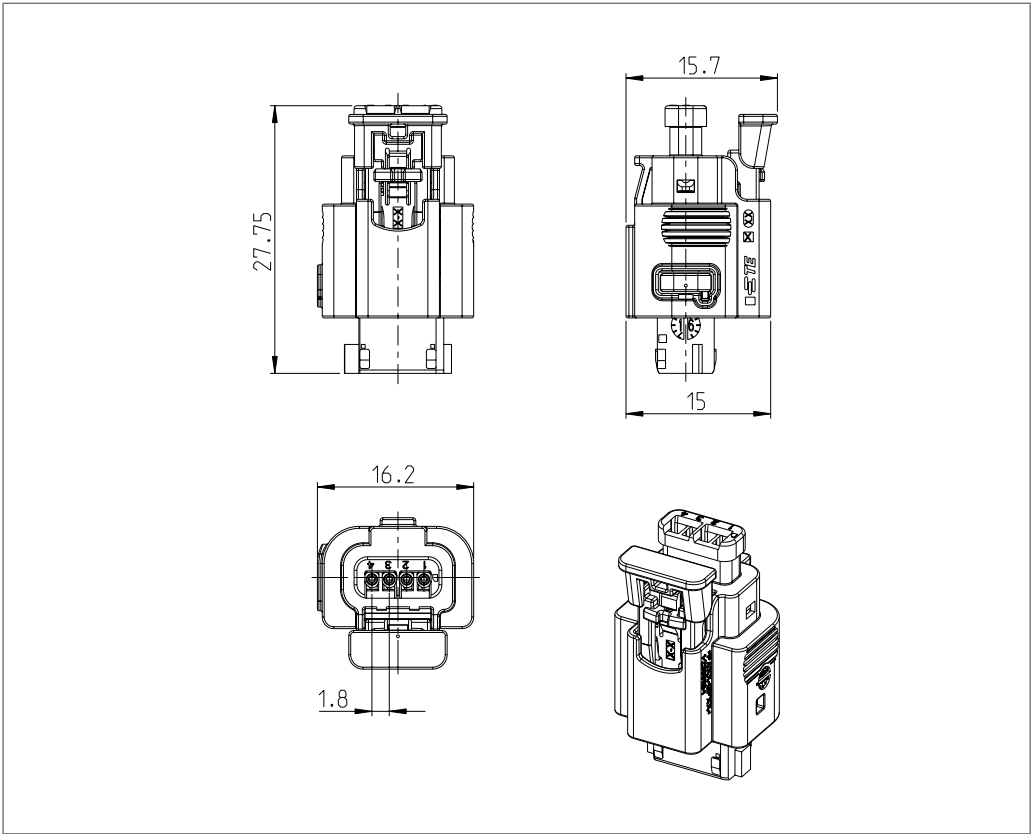
* on request



Technical Features

- No. of Positions:**
4 Positions
- Housing Material:**
PA66-GF30
- Wire Size Range:**
0.13 – 0.35 mm²
- Interface:**
208-18008
- Temperature Range:**
-40°C ... +150°C
- Extraction Tool:**
Retainer: 2-1579028-6
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:**
108-94610
- Application Specification:**
114-94496

Receptacle Housings - 1 Row Design - 4 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2316284-1	2236139-1	208-18008	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2316284-2					
Coding C	Blue	2316284-3*					
Coding D	Green	2316284-4*					
Coding E	Brown	2316284-5*					
Coding F	Gray	2316284-6*					

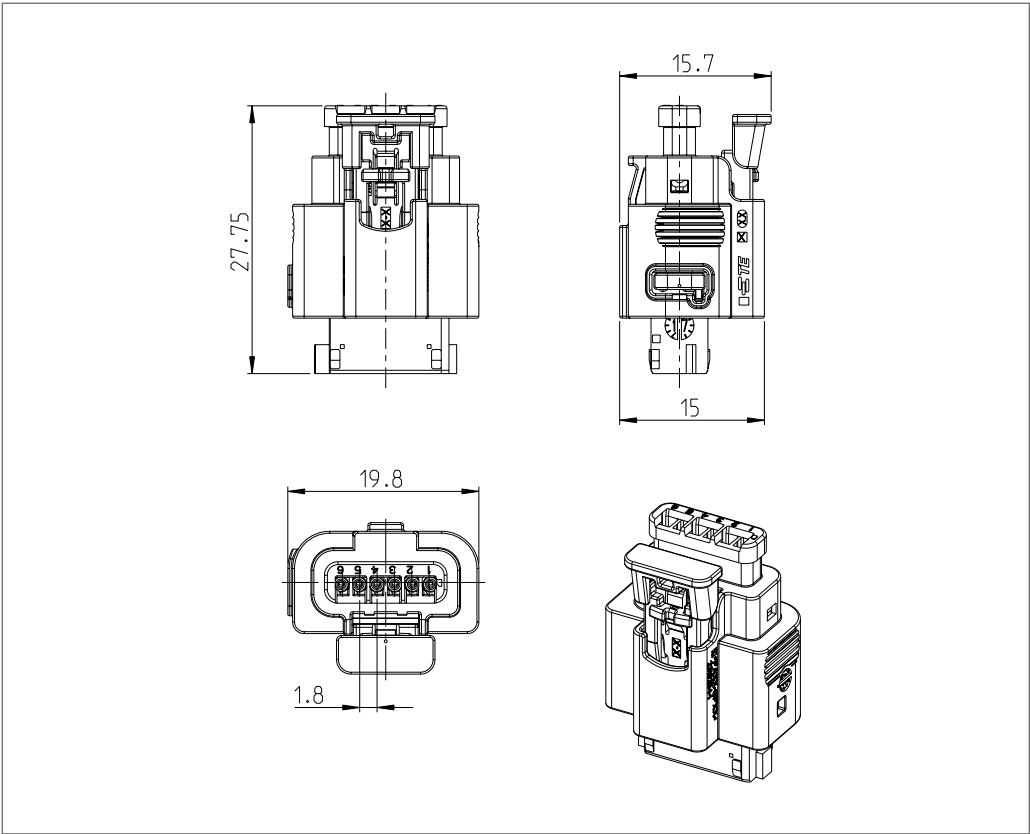
* on request



Technical Features

- No. of Positions:
6 positions
- Housing Material:
PA66-GF30
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
208-18008
- Temperature Range:
-40°C ... +150°C
- Extraction Tool:
Retainer: 2-1579028-6
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:
108-94610
- Application Specification:
114-94496

Receptacle Housings - 1 Row Design - 6 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2316218-1	2236139-1	208-18008	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2316218-2					
Coding C	Blue	2316218-3*					
Coding D	Green	2316218-4*					
Coding E	Brown	2316218-5*					
Coding F	Gray	2316218-6*					

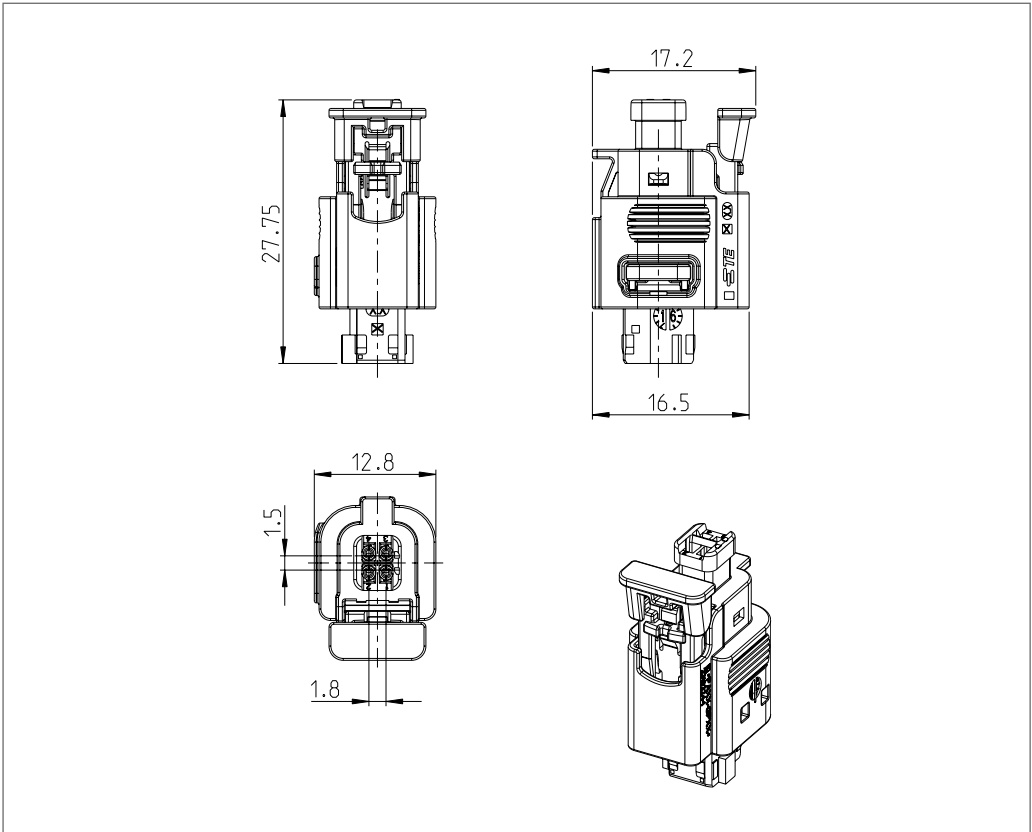
* on request



Technical Features

- No. of Positions:
4 positions
- Housing Material:
PA66-GF30
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
208-18009
- Temperature Range:
-40°C ... +150°C
- Extraction Tool:
Retainer: 5-1579028-1
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:
108-94610
- Application Specification:
114-94496

Receptacle Housings - 2 Row Design - 4 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2318200-1	2236139-1	208-18009	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2318200-2					
Coding C	Blue	2318200-3*					
Coding D	Green	2318200-4*					
Coding E	Brown	2318200-5*					
Coding F	Gray	2318200-6*					

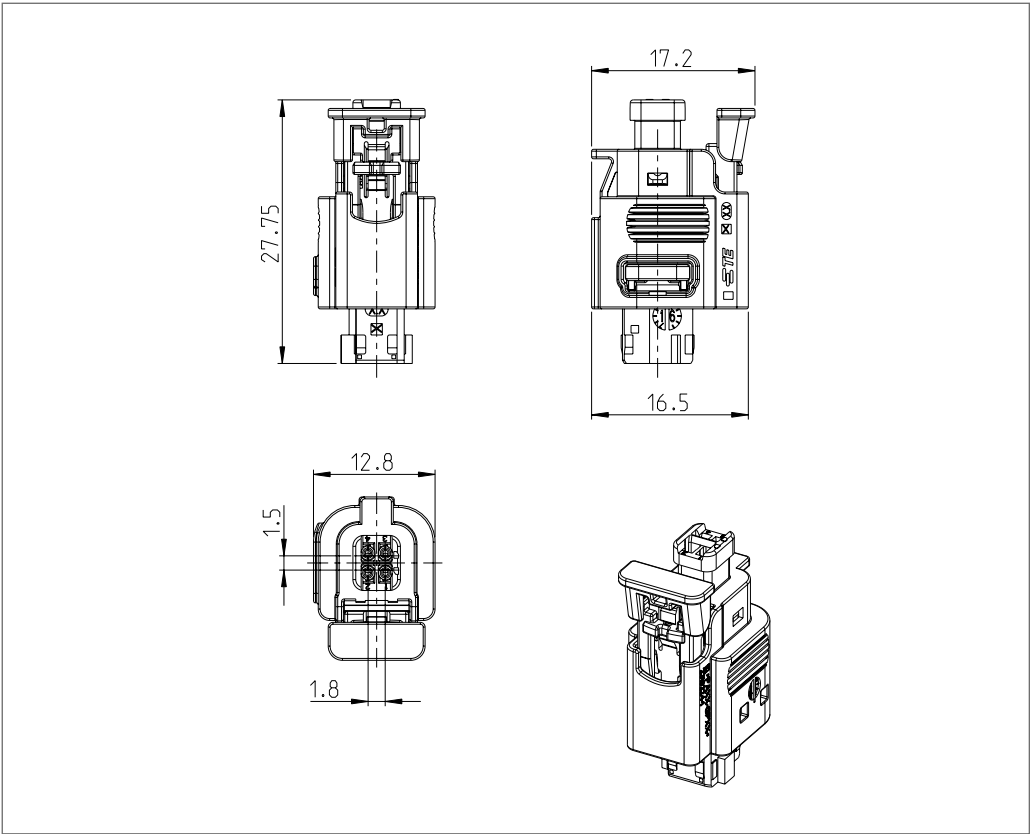
* on request



Technical Features

- No. of Positions:
6 positions
- Housing Material:
PA66-GF30
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
208-18009
- Temperature Range:
-40°C ... +150°C
- Extraction Tool:
Retainer: 5-1579028-1
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:
108-94610
- Application Specification:
114-94496

Receptacle Housings - 2 Row Design - 6 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2318300-1	2236139-1	208-18009	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2318300-2					
Coding C	Blue	2318300-3*					
Coding D	Green	2318300-4*					
Coding E	Brown	2318300-5*					
Coding F	Gray	2318300-6*					

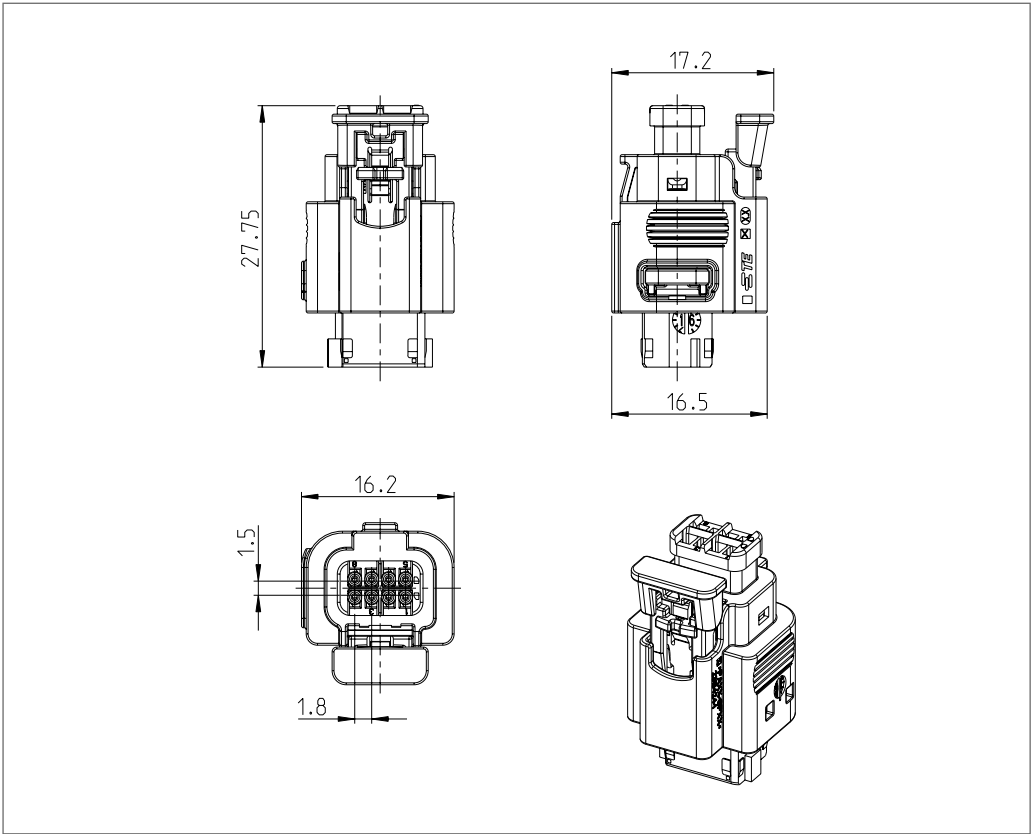
* on request



Technical Features

- No. of Positions:**
8 positions
- Housing Material:**
PA66-GF30
- Wire Size Range:**
0.13 – 0.35 mm²
- Interface:**
208-18009
- Temperature Range:**
-40°C ... +150°C
- Extraction Tool:**
Retainer: 5-1579028-1
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:**
108-94610
- Application Specification:**
114-94496

Receptacle Housings - 2 Row Design - 8 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2318400-1	2236139-1	208-18009	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2318400-2					
Coding C	Blue	2318400-3*					
Coding D	Green	2318400-4*					
Coding E	Brown	2318400-5*					
Coding F	Gray	2318400-6*					

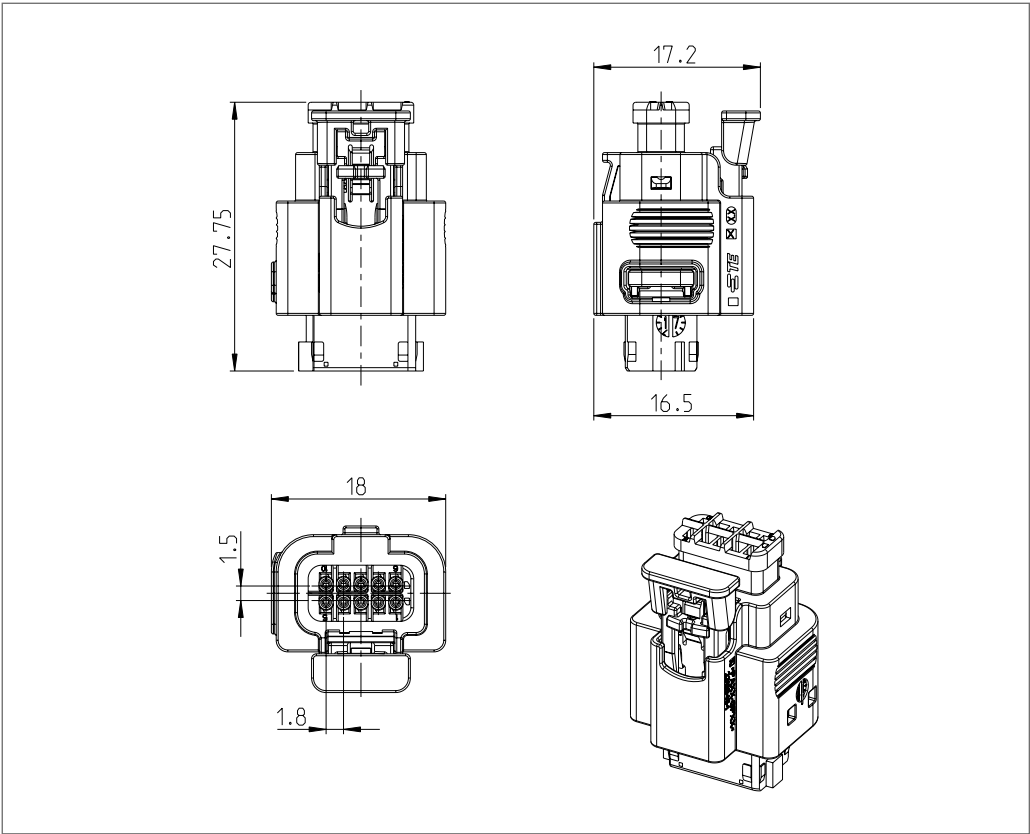
* on request



Technical Features

- No. of Positions:
10 positions
- Housing Material:
PA66-GF30
- Wire Size Range:
0.13 – 0.35 mm²
- Interface:
208-18009
- Temperature Range:
-40°C ... +150°C
- Extraction Tool:
Retainer: 5-1579028-1
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:
108-94610
- Application Specification:
114-94496

Receptacle Housings - 2 Row Design - 10 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2318935-1	2236139-1	208-18009	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2318935-2					
Coding C	Blue	2318935-3*					
Coding D	Green	2318935-4*					
Coding E	Brown	2318935-5*					
Coding F	Gray	2318935-6*					

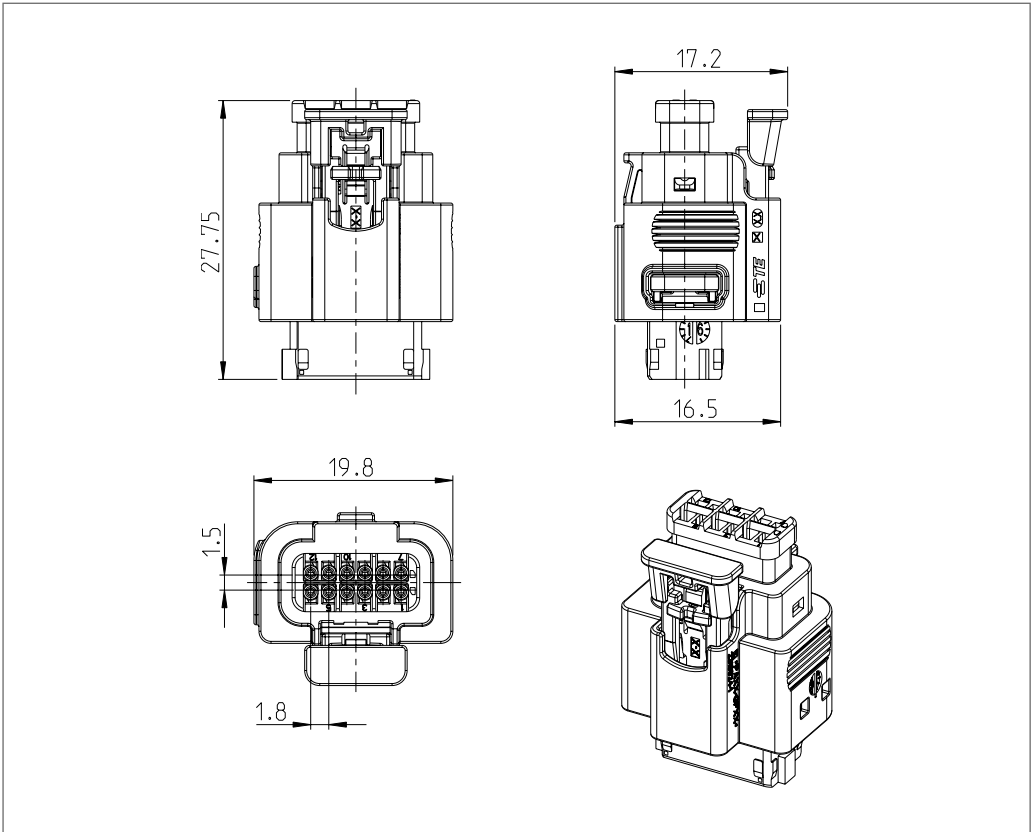
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Technical Features

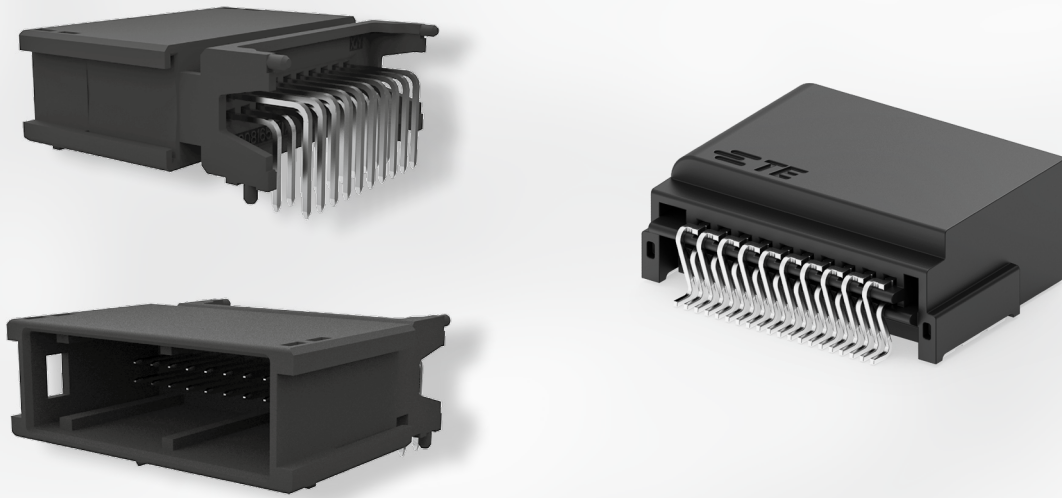
- No. of Positions:**
12 positions
- Housing Material:**
PA66-GF30
- Wire Size Range:**
0.13 – 0.35 mm²
- Interface:**
208-18009
- Temperature Range:**
-40°C ... +150°C
- Extraction Tool:**
Retainer: 5-1579028-1
Terminal: 8-1579007-9 and
2-1579028-8
- Product Specification:**
108-94610
- Application Specification:**
114-94496

Receptacle Housings - 2 Row Design - 12 Positions



Keying Options	Housing Color	Part Numbers					
		Receptacle Housing	Fitting Blind Plugs	Interface	Mating PCB Headers		Contacts
					Right Angle	Vertical	
Coding A	Black	2318600-1	2236139-1	208-18009	←	←	x-2177908-x x-2177909-x
Coding B	Natural	2318600-2					
Coding C	Blue	2318600-3*					
Coding D	Green	2318600-4*					
Coding E	Brown	2318600-5*					
Coding F	Gray	2318600-6*					

* on request



Miniaturization Headers

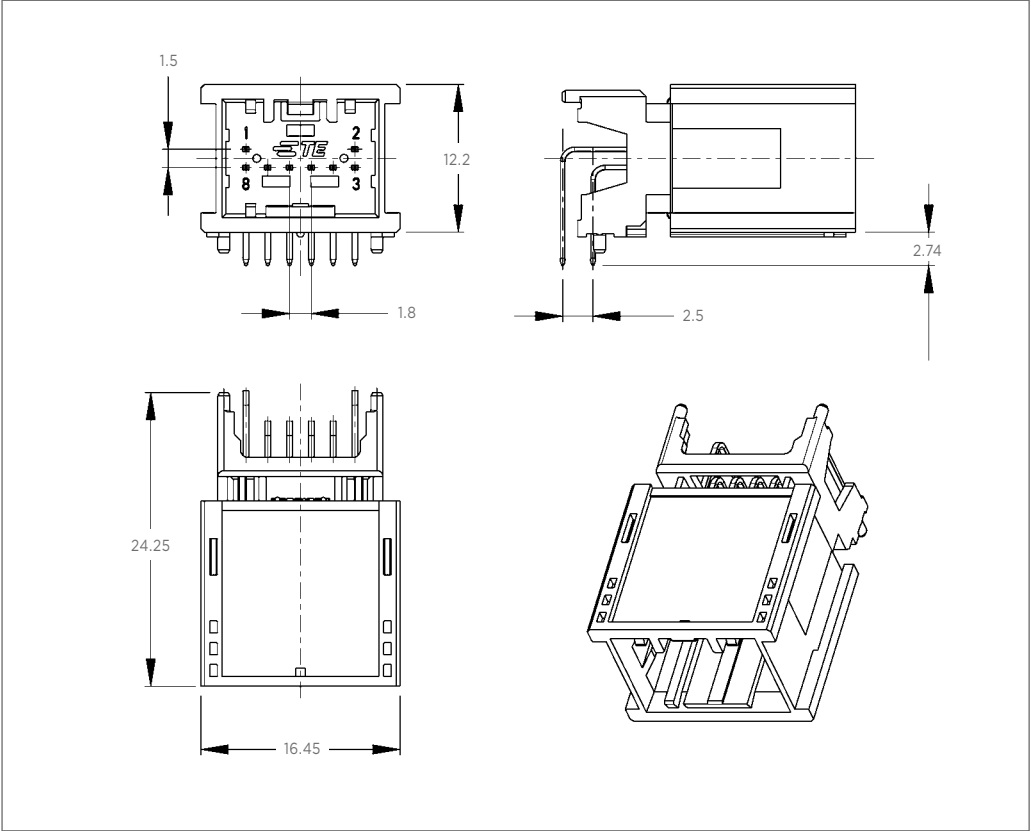
Miniaturization	1.8 mm pin-to-pin pitch Small pitch saves ca. 50% of PCB space in comparison to 0.63 connectors Patented S-bended pins of SMT headers can save 30% of PCB space in comparison to other miniaturized headers in the market
Flexibility	Available in Pin-In Paste (PiP) and Surface-Mount Technology (SMT) versions Side-latch versions: Common interface for both with- and without CPA connectors
Automotive-robust Performance	Reflow-process compatible SG2 vibration grade (unsealed applications) Automotive-standards conform Standard automotive interface
Wide Portfolio	Available in top- and side latch versions Available in 1- and 2-row versions Top-latch: 8, 12, 20 and 32 positions Side-latch: 2 up to 20 positions



Technical Features

- No. of Positions:
8 Positions
- Housing Material:
LCP, Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over Ni
- Product Specification:
108-94313
- Application Specification:
114-94160

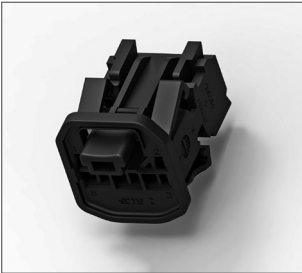
PCB Headers - Right Angle - 8 Positions



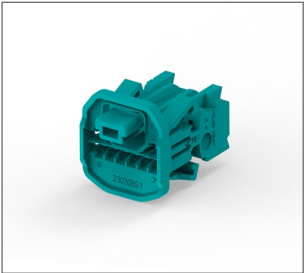
Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177372-3	N/A	N/A	N/A	2177586-1
Coding B	Natural	1-2177372-3				2177586-2
Coding C	Gray	2-2177372-3*				2177586-3*
Coding D	Black	3-2177372-3*				2177586-4*

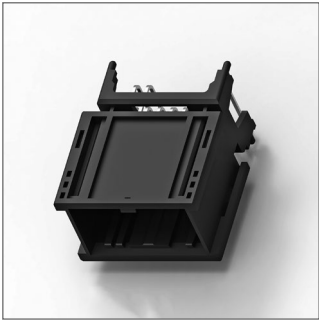
* on request

Mating Receptacle Housing
see page 20



Mating FFC Receptacle Housing
see page 24

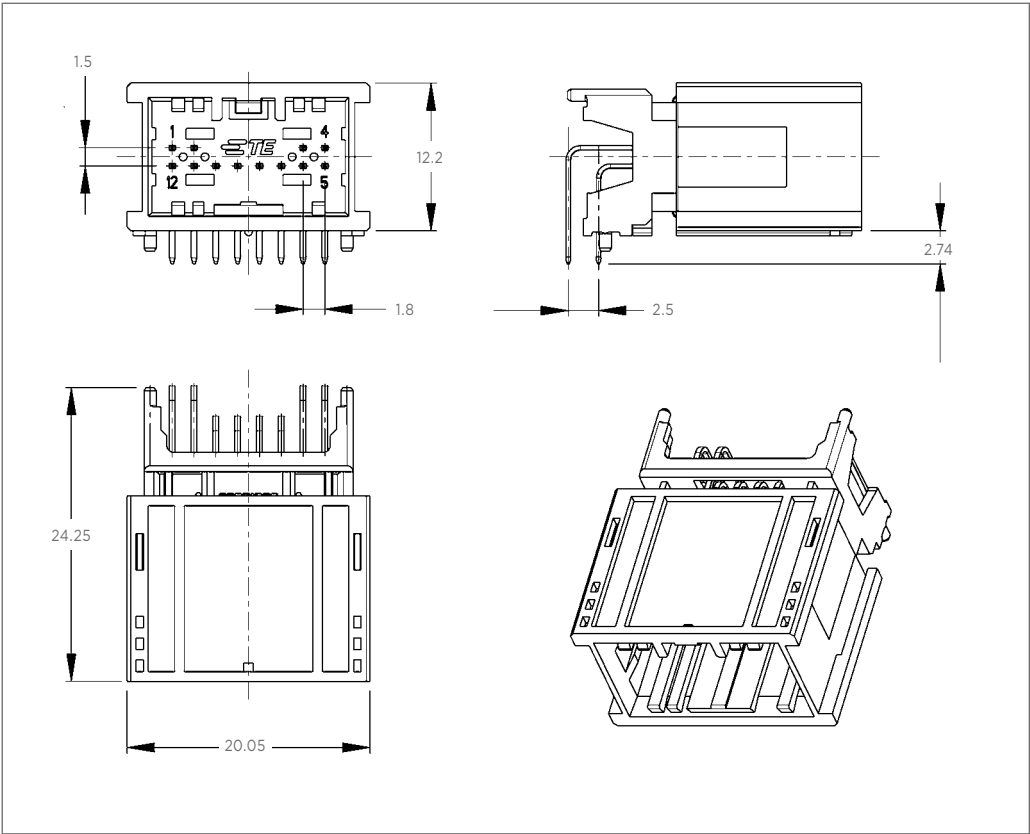




Technical Features

- No. of Positions:
12 Positions
- Housing Material:
LCP, Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over Ni
- Product Specification:
108-94313
- Application Specification:
114-94160

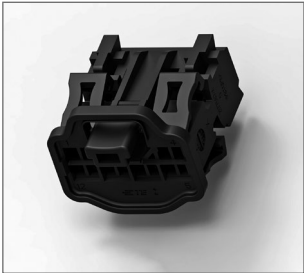
PCB Headers - Right Angle - 12 Positions

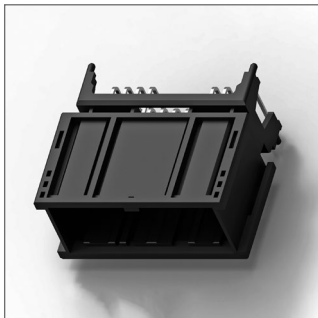


Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177370-3	N/A	N/A	N/A	2177587-1
Coding B	Natural	1-2177370-3				2177587-2
Coding C	Gray	2-2177370-3*				2177587-3*
Coding D	Black	3-2177370-3*				2177587-4*

* on request

Mating Receptacle Housing
see page 21





Technical Features

No. of Positions:

20 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

CuMg01, Sn over Ni

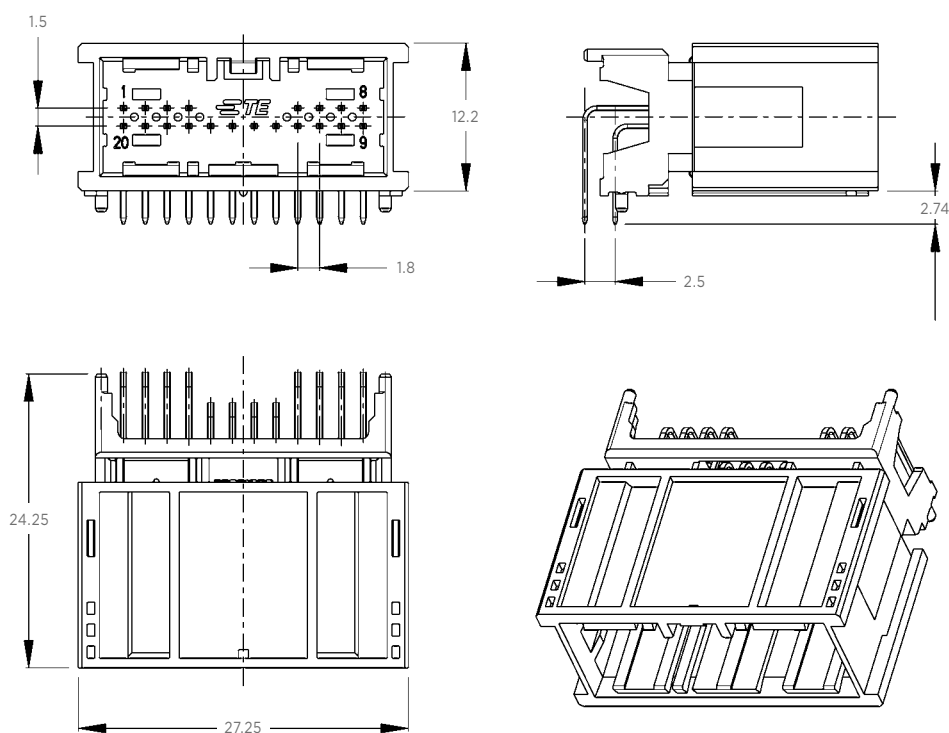
Product Specification:

108-94313

Application Specification:

114-94160

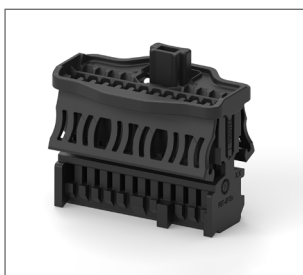
PCB Headers - Right Angle - 20 Positions

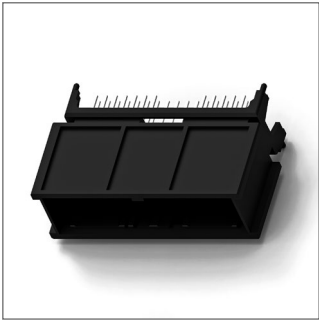


Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177367-3	N/A	N/A	N/A	2177588-1
Coding B	Natural	1-2177367-3				2177588-2
Coding C	Gray	2-2177367-3*				2177588-3*
Coding D	Black	3-2177367-3*				2177588-4*

* on request

 Mating Receptacle Housing
see page 22

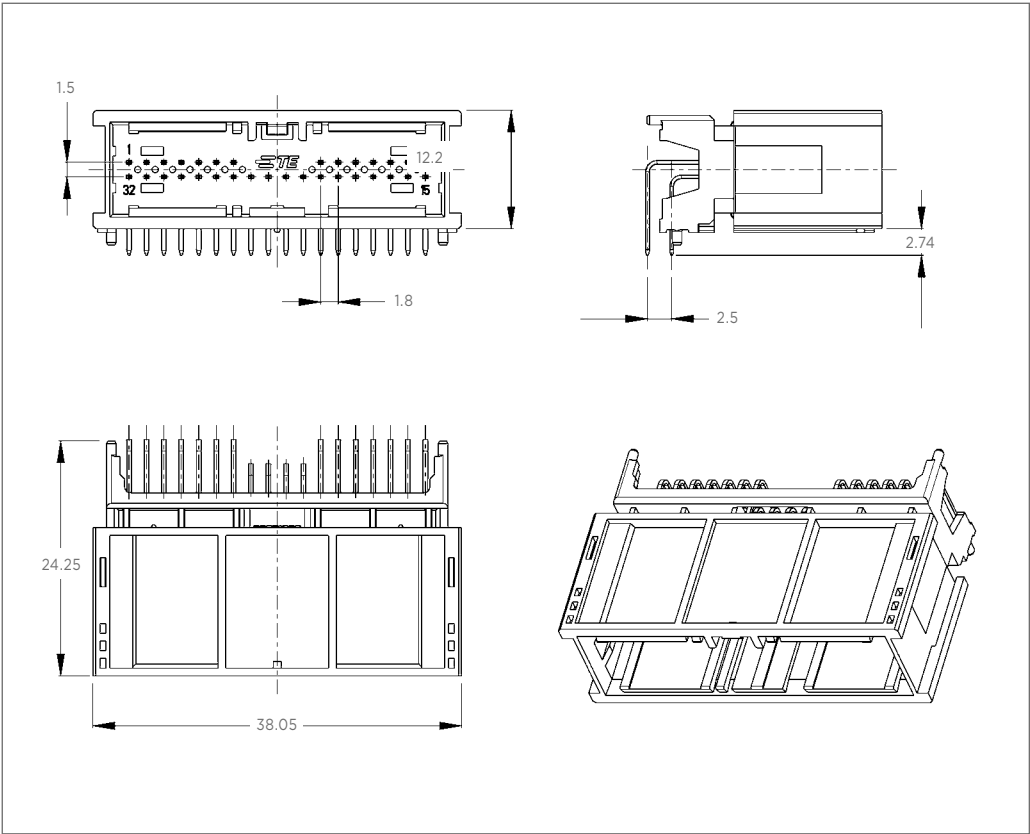
 Mating FFC Receptacle Housing
see page 25




Technical Features

- No. of Positions:
32 Positions
- Housing Material:
LCP, Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over Ni
- Product Specification:
108-94313
- Application Specification:
114-94160

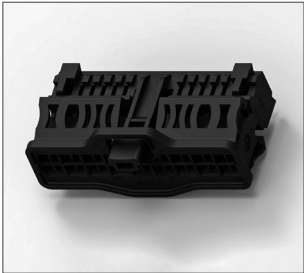
PCB Headers - Right Angle - 32 Positions



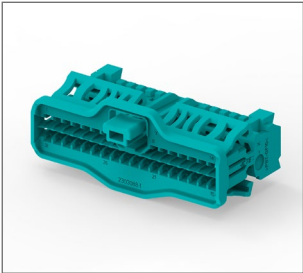
Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177419-3	N/A	N/A	N/A	2141576-1
Coding B	Natural	1-2177419-3				2141576-2
Coding C	Gray	2-2177419-3				2141576-3
Coding D	Black	3-2177419-3*				2141576-4*

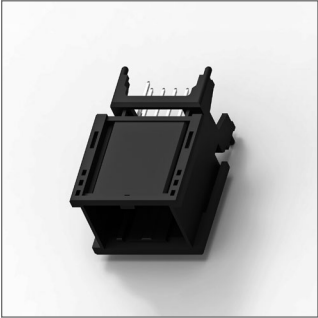
* on request

Mating Receptacle Housing
see page 23



Mating FFC Receptacle Housing
see page 26

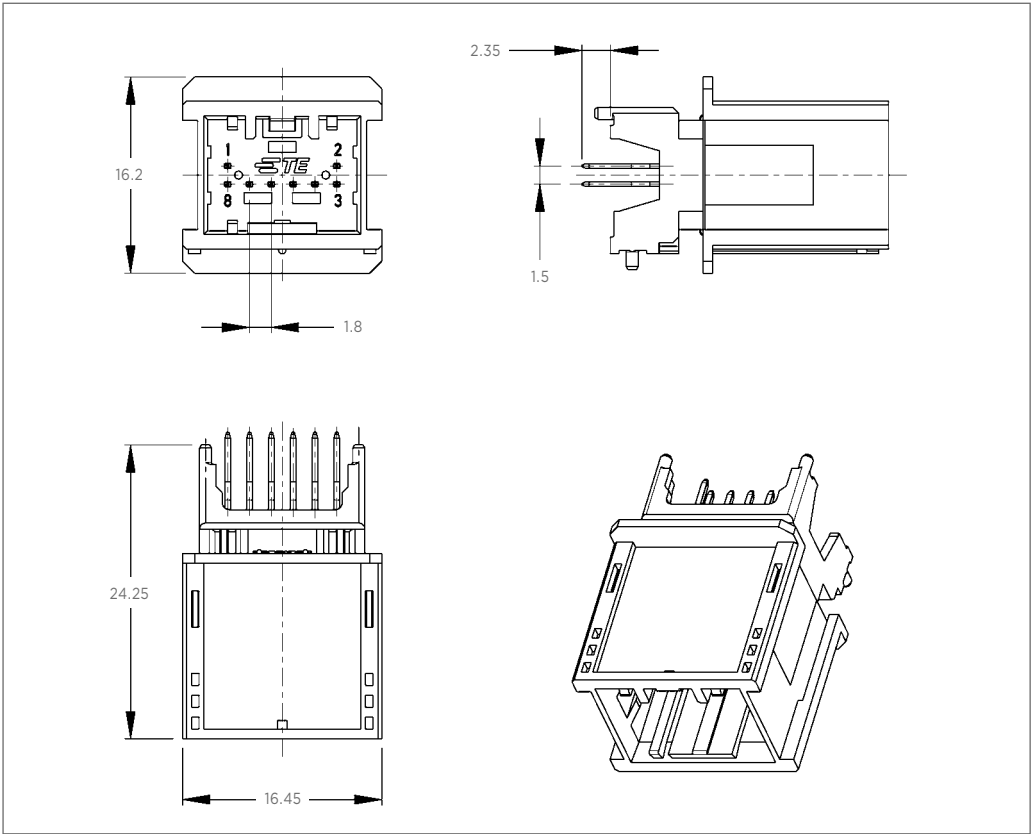




Technical Features

- No. of Positions:**
8 Positions
- Housing Material:**
LCP, Glas fibre reinforced
- Material and Finish:**
CuMg01, Sn over Ni
- Product Specification:**
108-94313
- Application Specification:**
114-94160

PCB Headers - Vertical - 8 Positions



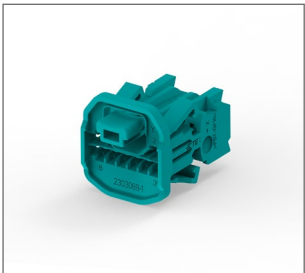
Keying Options	Housing Color	Part Numbers				
		PCB Header Vertical	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177768-3	N/A	N/A	N/A	2177586-1
Coding B	Natural	1-2177768-3				2177586-2
Coding C	Gray	2-2177768-3 *				2177586-3 *
Coding D	Black	3-2177768-3 *				2177586-4 *

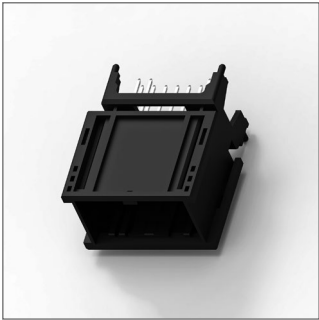
* on request

Mating Receptacle Housing
see page 20



Mating FFC Receptacle Housing
see page 24

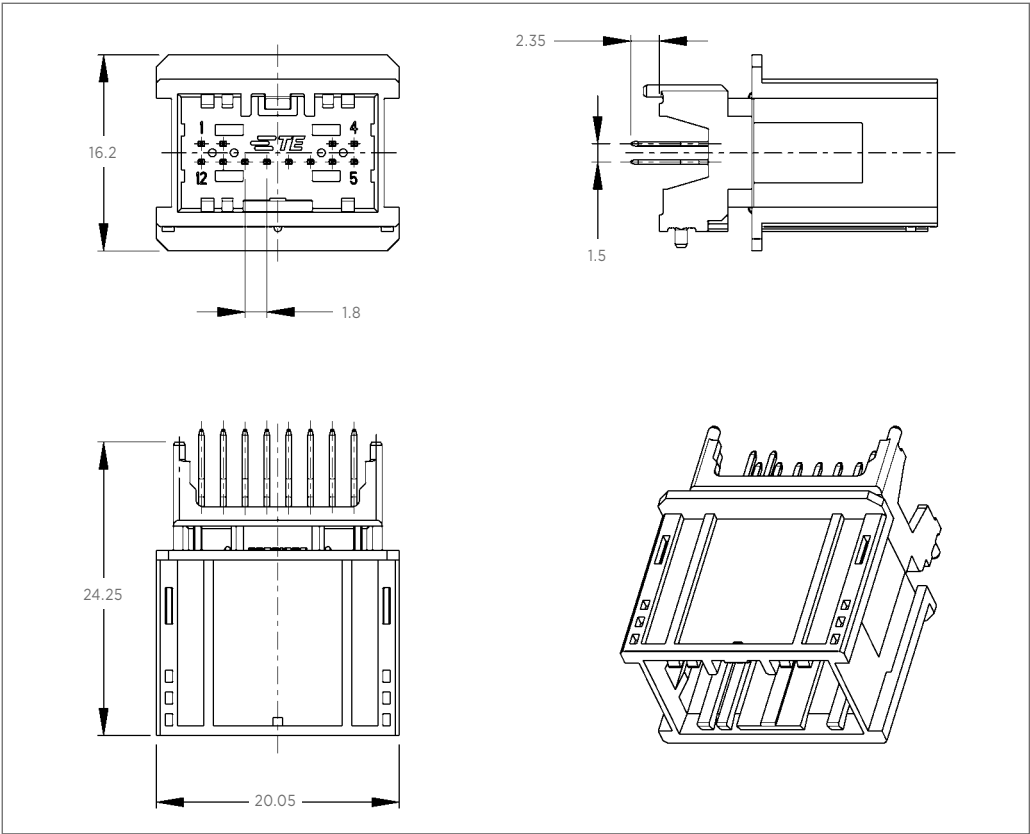




Technical Features

- No. of Positions:
12 Positions
- Housing Material:
LCP, Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over Ni
- Product Specification:
108-94313
- Application Specification:
114-94160

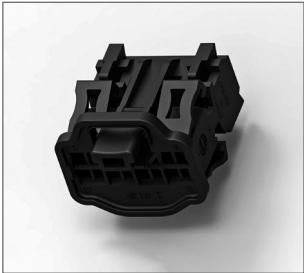
PCB Headers - Vertical - 12 Positions



Keying Options	Housing Color	Part Numbers				
		PCB Header Vertical	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177767-3	N/A	N/A	N/A	2177587-1
Coding B	Natural	1-2177767-3				2177587-2
Coding C	Gray	2-2177767-3*				2177587-3*
Coding D	Black	3-2177767-3*				2177587-4*

* on request

Mating Receptacle Housing
see page 21

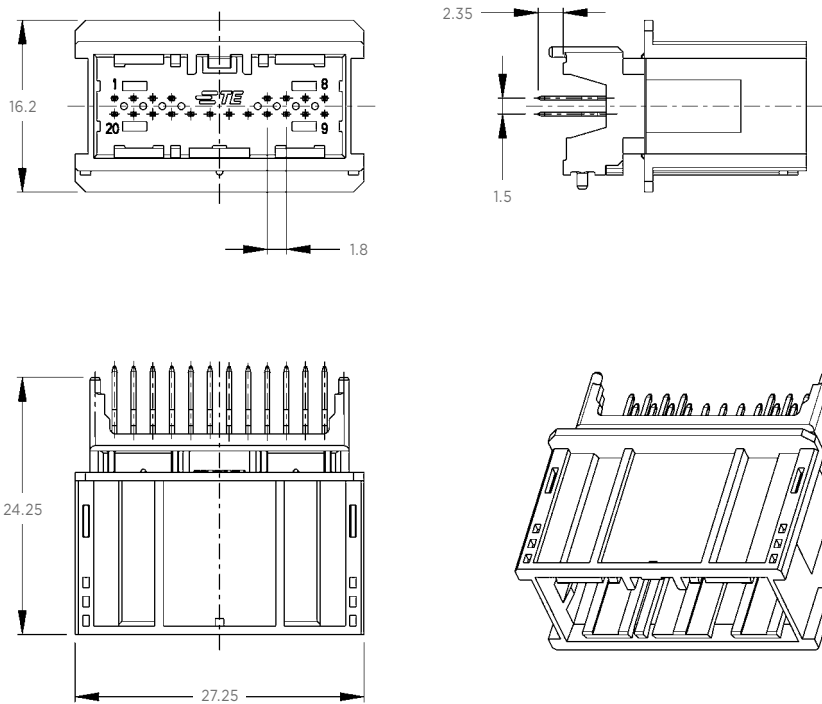




Technical Features

- No. of Positions:**
20 Positions
- Housing Material:**
LCP, Glas fibre reinforced
- Material and Finish:**
CuMg01, Sn over Ni
- Product Specification:**
108-94313
- Application Specification:**
114-94160

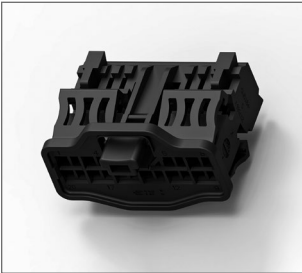
PCB Headers - Vertical - 20 Positions



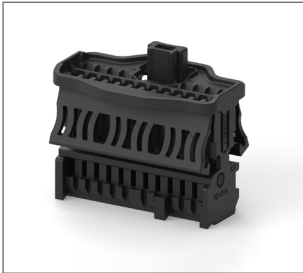
Keying Options	Housing Color	Part Numbers				
		PCB Header Vertical	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177766-3	N/A	N/A	N/A	2177588-1
Coding B	Natural	1-2177766-3				2177588-2
Coding C	Gray	2-2177766-3 *				2177588-3 *
Coding D	Black	3-2177766-3 *				2177588-4 *

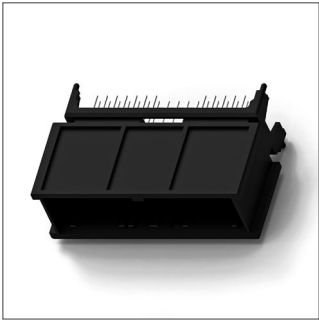
* on request

Mating Receptacle Housing
see page 22



Mating FFC Receptacle Housing
see page 25

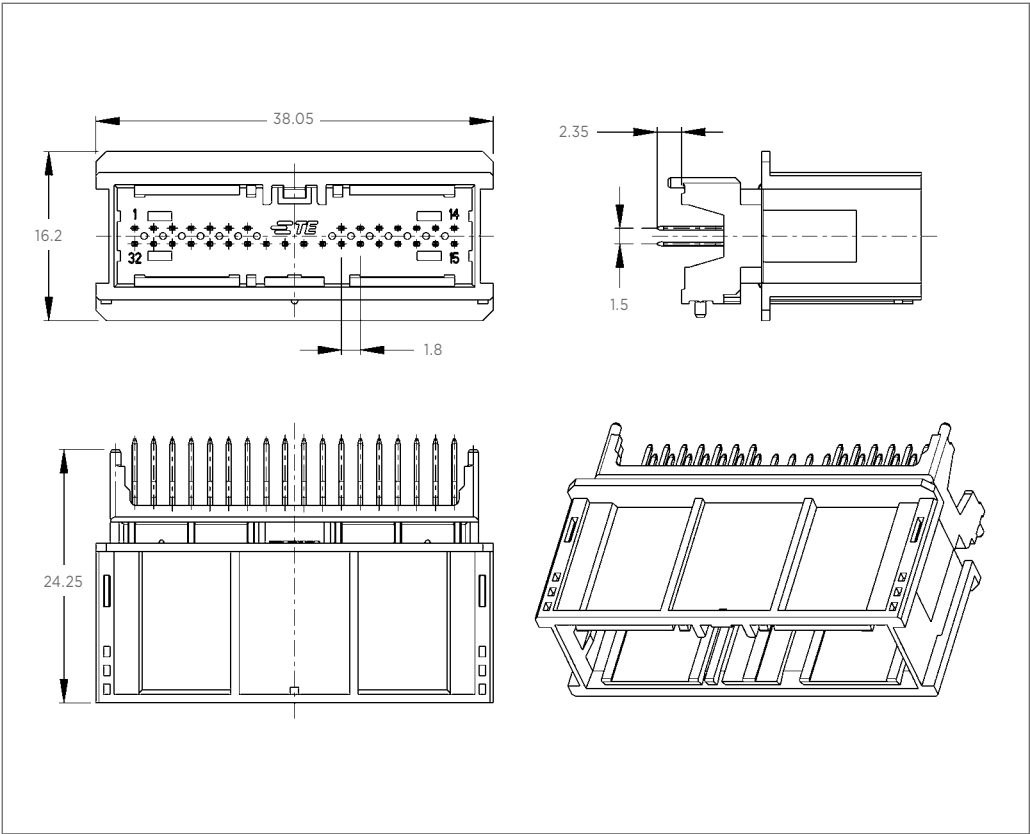




Technical Features

- No. of Positions:
32 Positions
- Housing Material:
LCP-GF30 / LCP-GF35
- Material and Finish:
CuMg01, Sn over NiMating
- Product Specification:
108-94313
- Application Specification:
114-94160

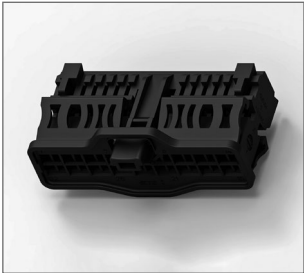
PCB Headers - Vertical - 32 Positions



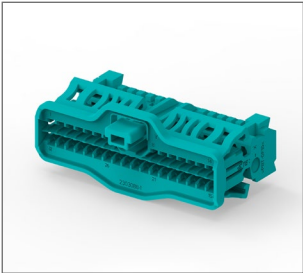
Keying Options	Housing Color	Part Numbers				
		PCB Header Vertical	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	Black	0-2177748-3	N/A	N/A	N/A	2141576-1
Coding B	Natural	1-2177748-3				2141576-2
Coding C	Gray	2-2177748-3				2141576-3
Coding D	Black	3-2177748-3*				2141576-4*

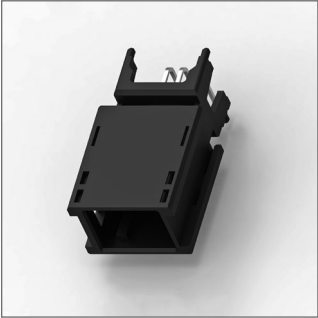
* on request

Mating Receptacle Housing
see page 23



Mating FFC Receptacle Housing
see page 26

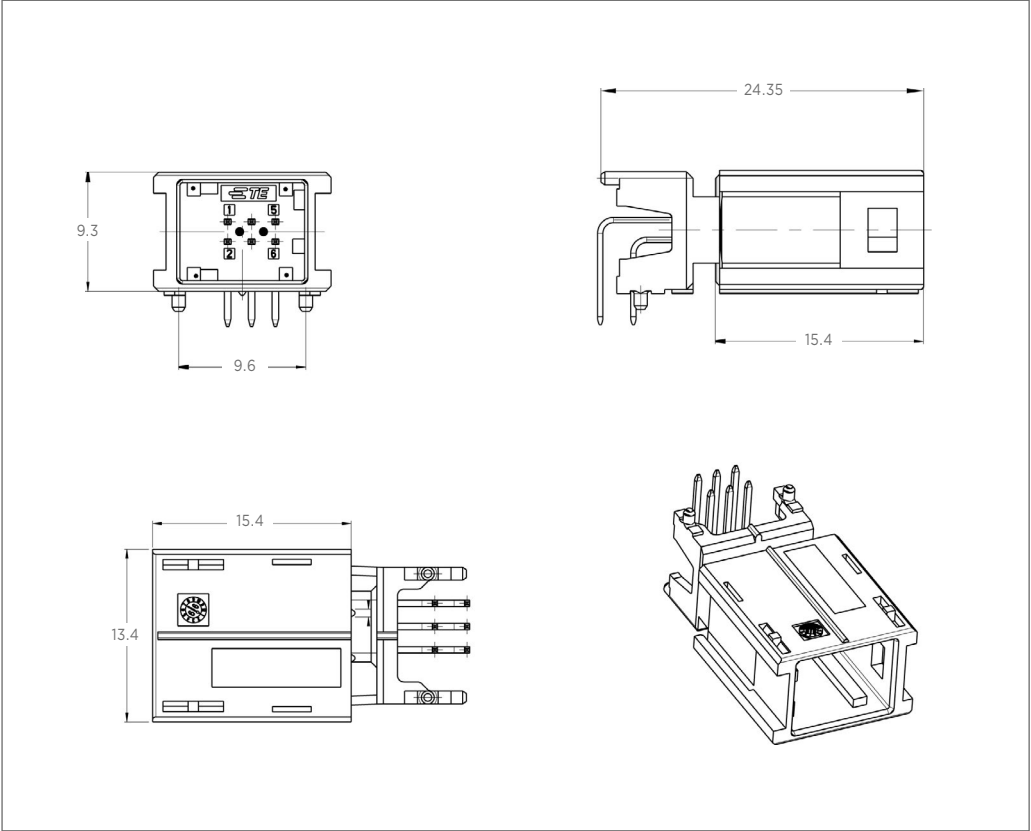




Technical Features

- No. of Positions:
6 Positions
- Housing Material:
LCP, Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over Ni
- Product Specification:
108-94359
- Application Specification:
114-94160

PCB Headers - 2 Row Design - 6 Positions

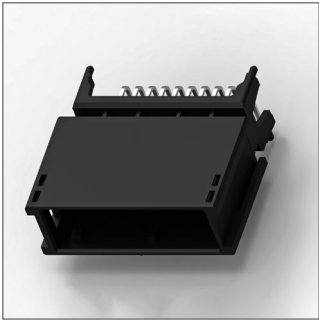


Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Retainer Housing	Mating Receptacle Housings
Coding A	Black	2208636-1	N/A	N/A	N/A	2208338-1
Coding B		2208636-2 *				2208338-2
Coding C		2208636-3 *				2208338-3 *
Coding D		2208636-4 *				2208338-4 *

* on request

Mating Receptacle Housing
see page 27

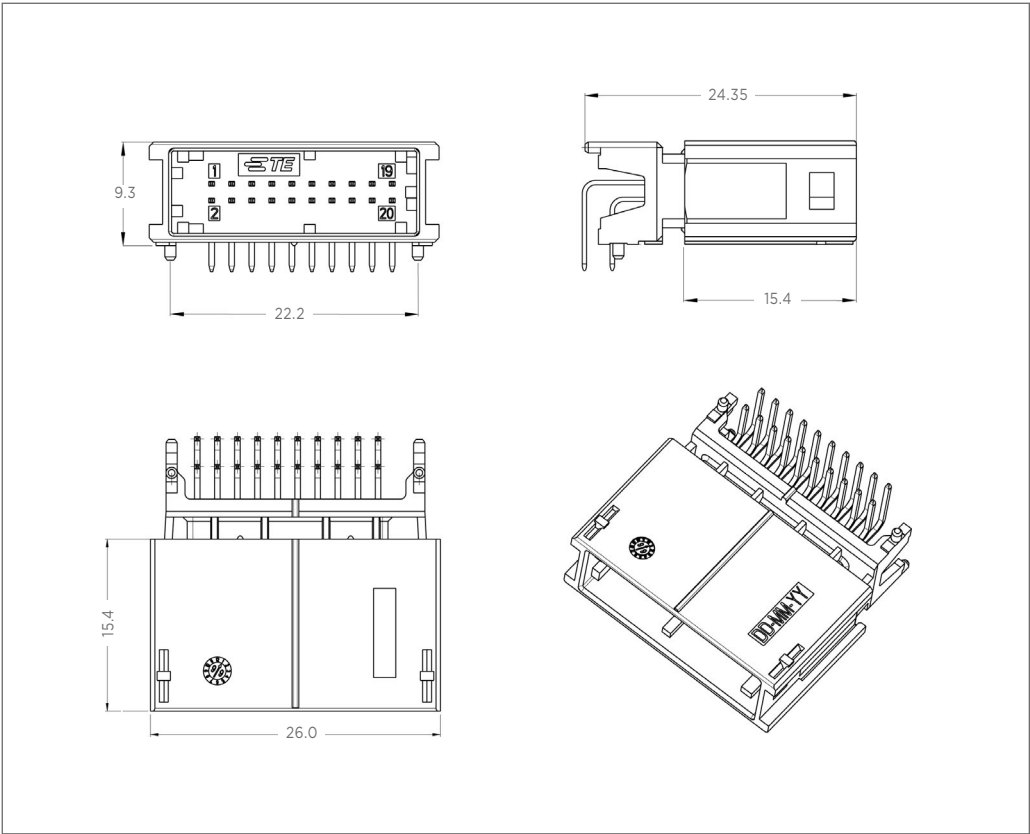




Technical Features

- No. of Positions:
20 Positions
- Housing Material:
LCP, Glas fibre reinforced
- Material and Finish:
CuMg01, Sn over Ni
- Product Specification:
108-94359
- Application Specification:
114-94160

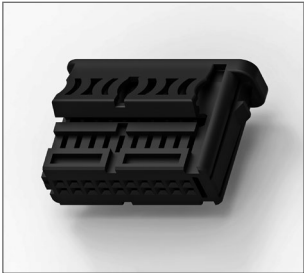
PCB Headers - 2 Row Design - 20 Positions

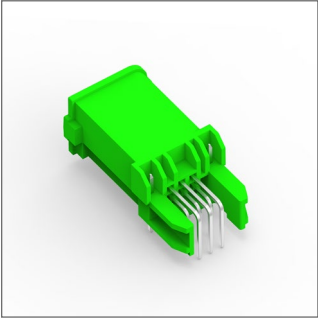


Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Retainer Housing	Mating Receptacle Housings
Coding A	Black	2208165-1	N/A	N/A	N/A	2141404-1
Coding B		2208165-2				2141404-2
Coding C		2208165-3*				2141404-3*
Coding D		2208165-4*				2141404-4*
Coding Z	Natural	1-2208165-2				2141404-2

* on request

Mating Receptacle Housing
see page 30

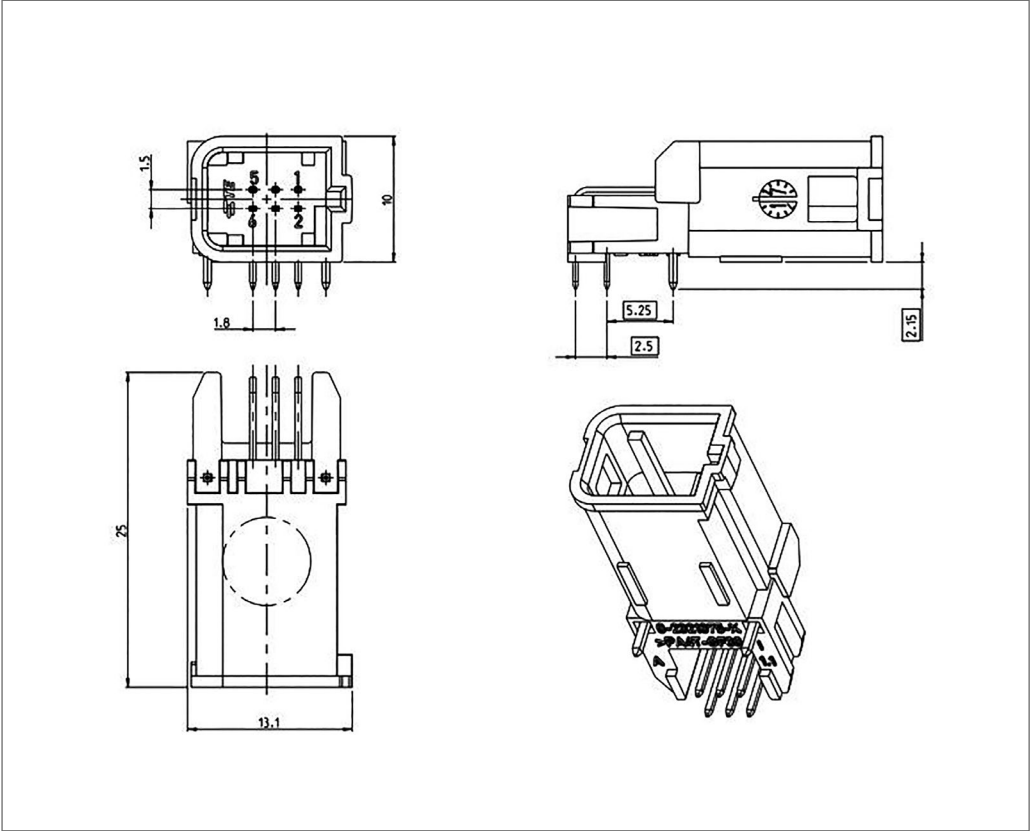




Technical Features

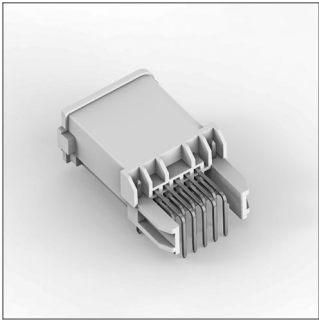
No. of Positions:
6 Positions
Housing Material:
PA4T-GF30
Material and Finish:
CuMg 0.1, Sn over Ni
Interface:
114-94000-20

PCB Headers - Right Angle - 2 Row Design - 6 Positions



Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Mating Receptacle Housings	
					with CPA	no CPA
Coding E	Green	2321376-5	N/A	N/A	2345104-5*	2302501-5*

* on request



Technical Features

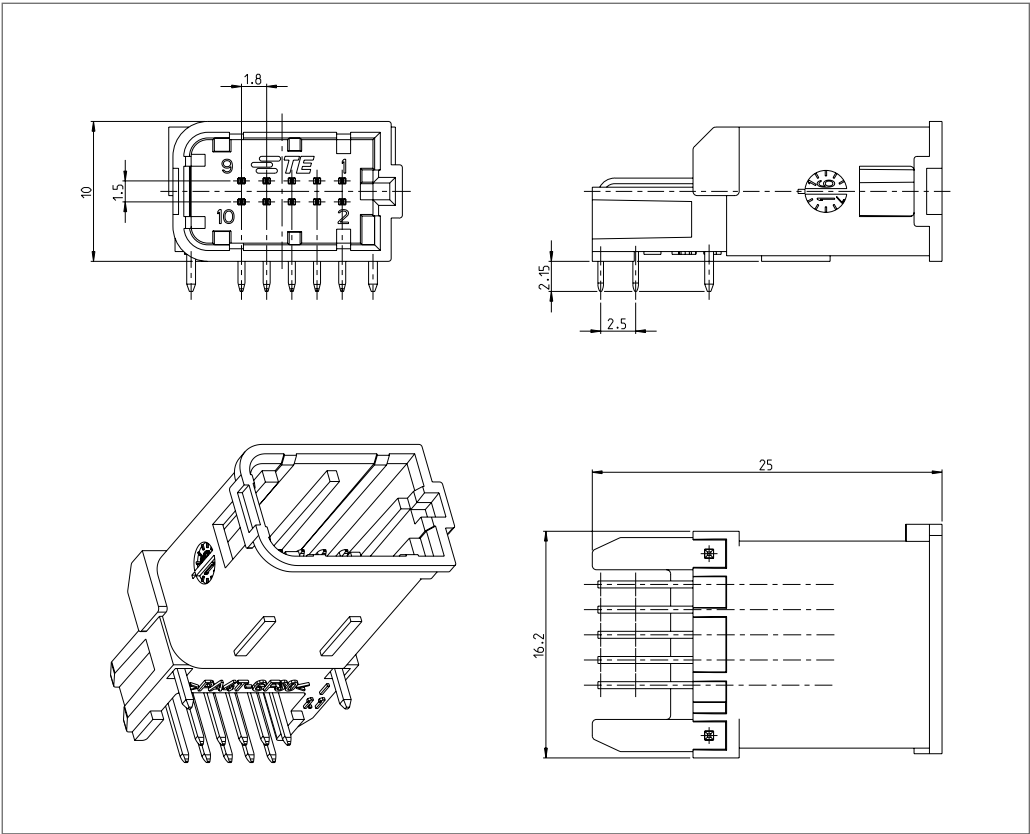
No. of Positions:
10 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

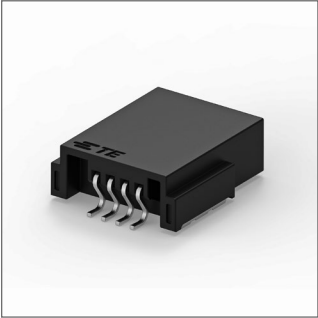
Interface:
114-94000-20

PCB Headers - Right Angle - 2 Row Design - 10 Positions



Keying Options	Housing Color	Part Numbers				
		PCB Header Right Angle	Cover	Lever	Mating Receptacle Housings	
					with CPA	no CPA
Coding B	Natural	2300292-1	N/A	N/A	2312108-2	2302475-2

* on request



Technical Features

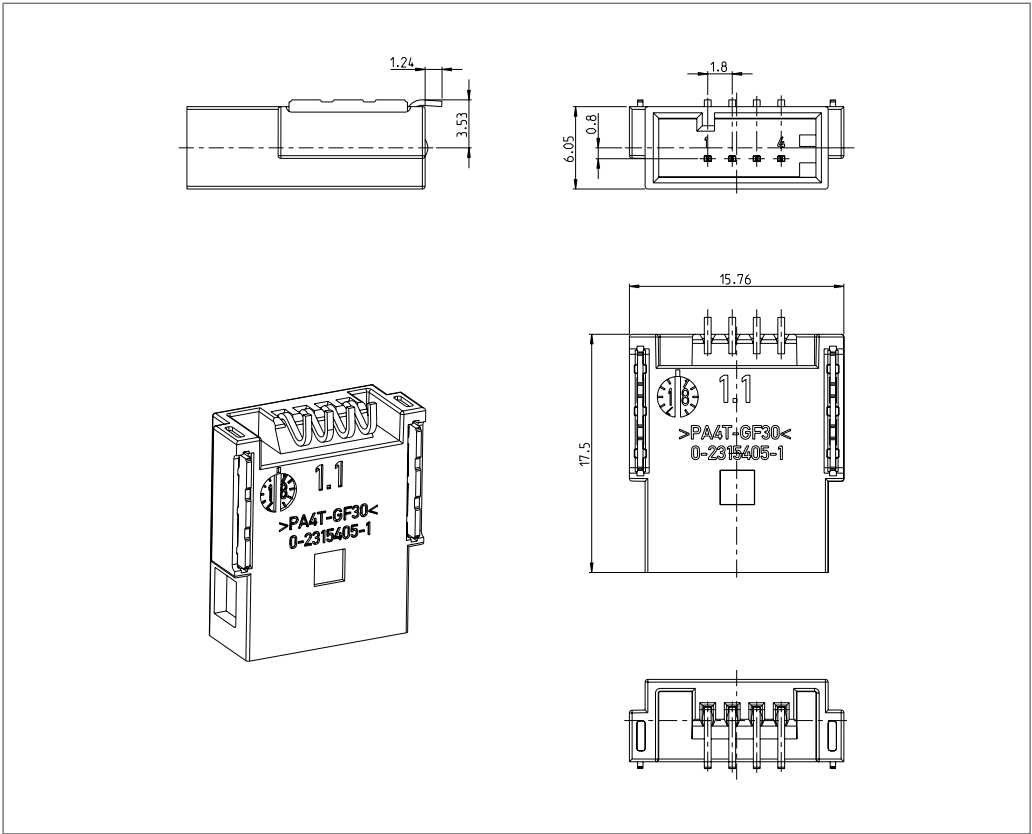
No. of Positions:
4 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

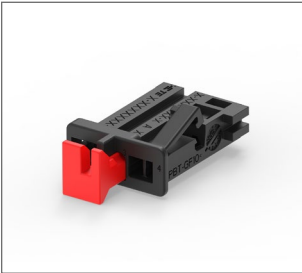
PCB Headers - Right Angle - 1 Row Design - 4 Positions



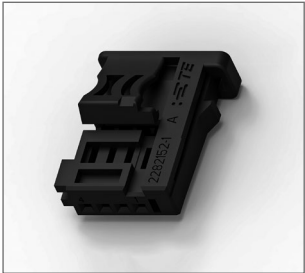
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2315405-1	N/A	N/A	2333102-1	2282152-1
Coding B	Natural	2315405-2			2333102-2	2282152-2
Coding C	Blue	2315405-3*			2333102-3*	2282152-3
Coding D	Violet	2315405-4*			2333102-4*	2282152-4

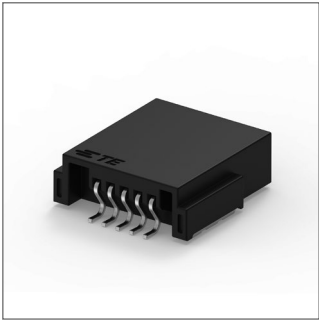
* on request

Mating Receptacle Housing with CPA
see page 50



Mating Receptacle Housing no CPA
see page 33





Technical Features

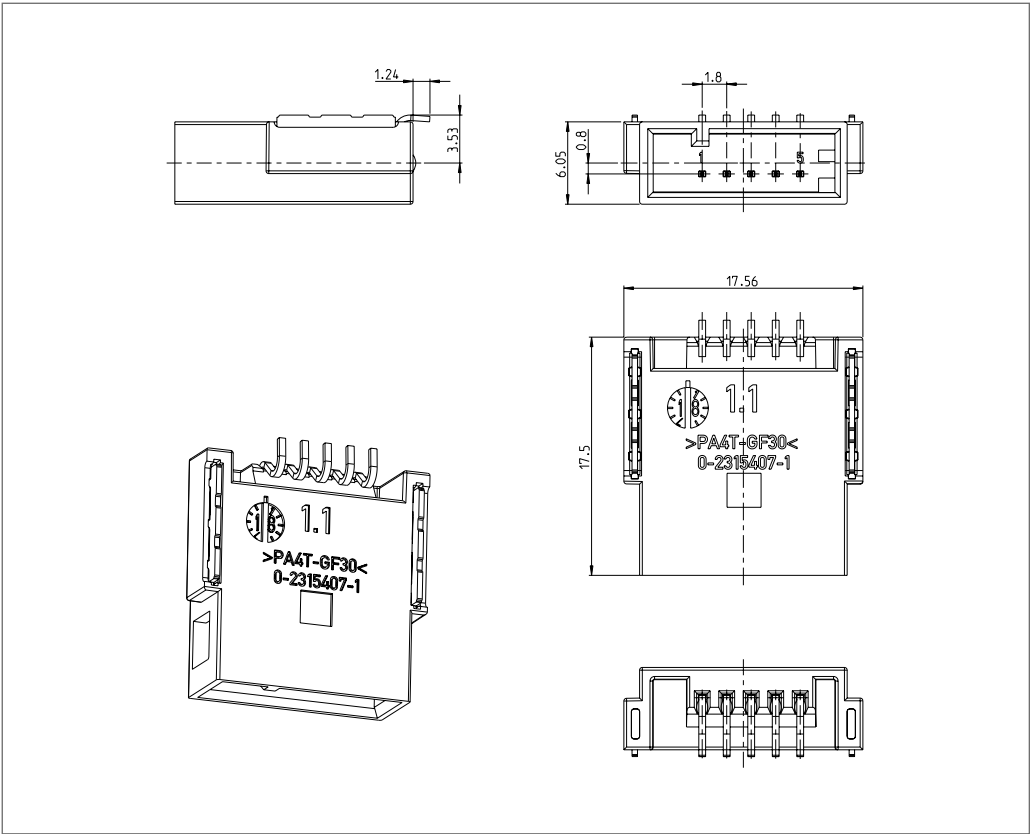
No. of Positions:
5 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

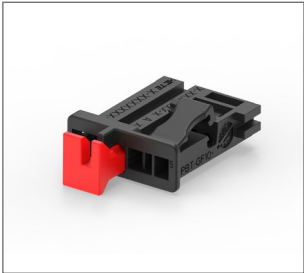
PCB Headers - Right Angle - 1 Row Design - 5 Positions



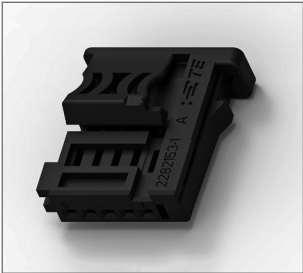
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2315407-1	N/A	N/A	2333103-1	2282153-1
Coding B	Natural	2315407-2			2333103-2	2282153-2
Coding C	Blue	2315407-3*			2333103-3	2282153-3
Coding D	Violet	2315407-4*			2333103-4*	2282153-4

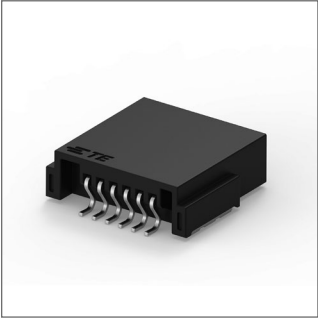
* on request

Mating Receptacle Housing with CPA
see page 51



Mating Receptacle Housing no CPA
see page 34





Technical Features

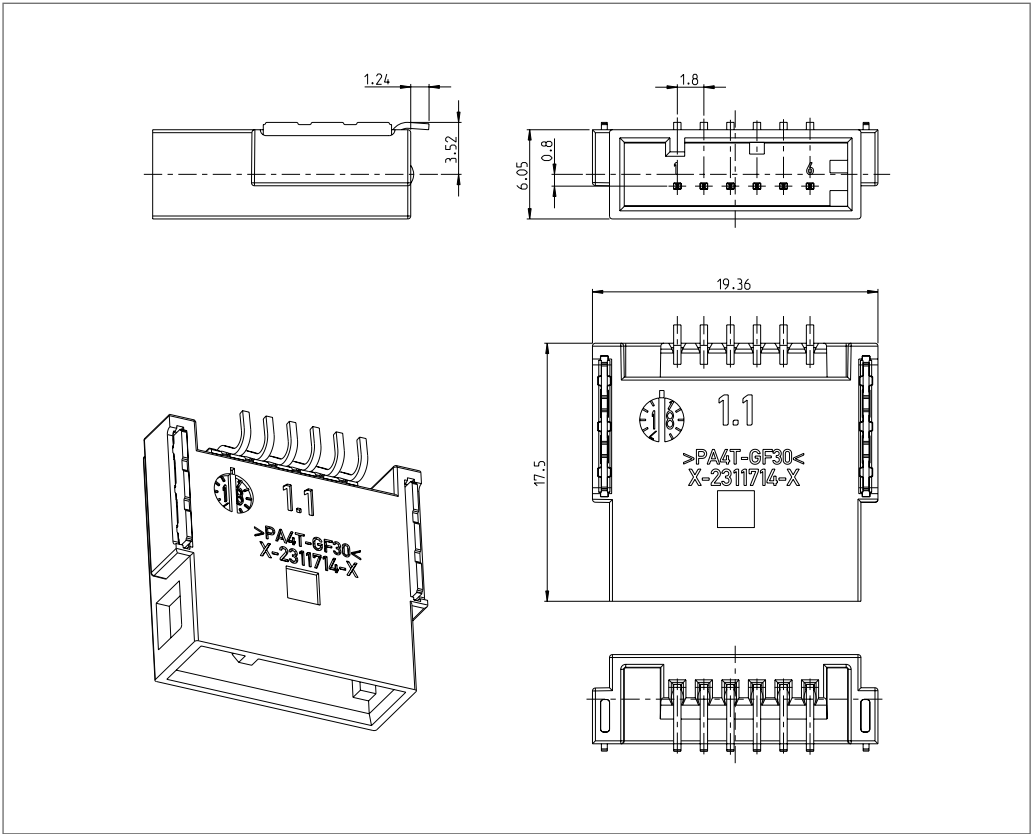
No. of Positions:
6 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

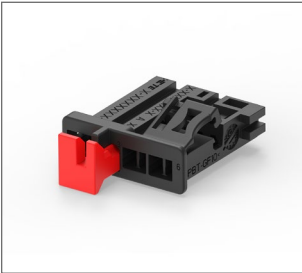
PCB Headers - Right Angle - 1 Row Design - 6 Positions



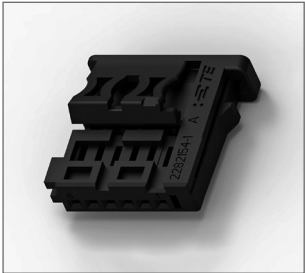
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2311714-1	N/A	N/A	2333104-1	2282154-1
Coding B	Natural	2311714-2			2333104-2	2282154-2
Coding C	Blue	2311714-3*			2333104-3*	2282154-3
Coding D	Violet	2311714-4*			2333104-4*	2282154-4

* on request

Mating Receptacle Housing
with CPA
see page 52



Mating Receptacle Housing
no CPA
see page 35





Technical Features

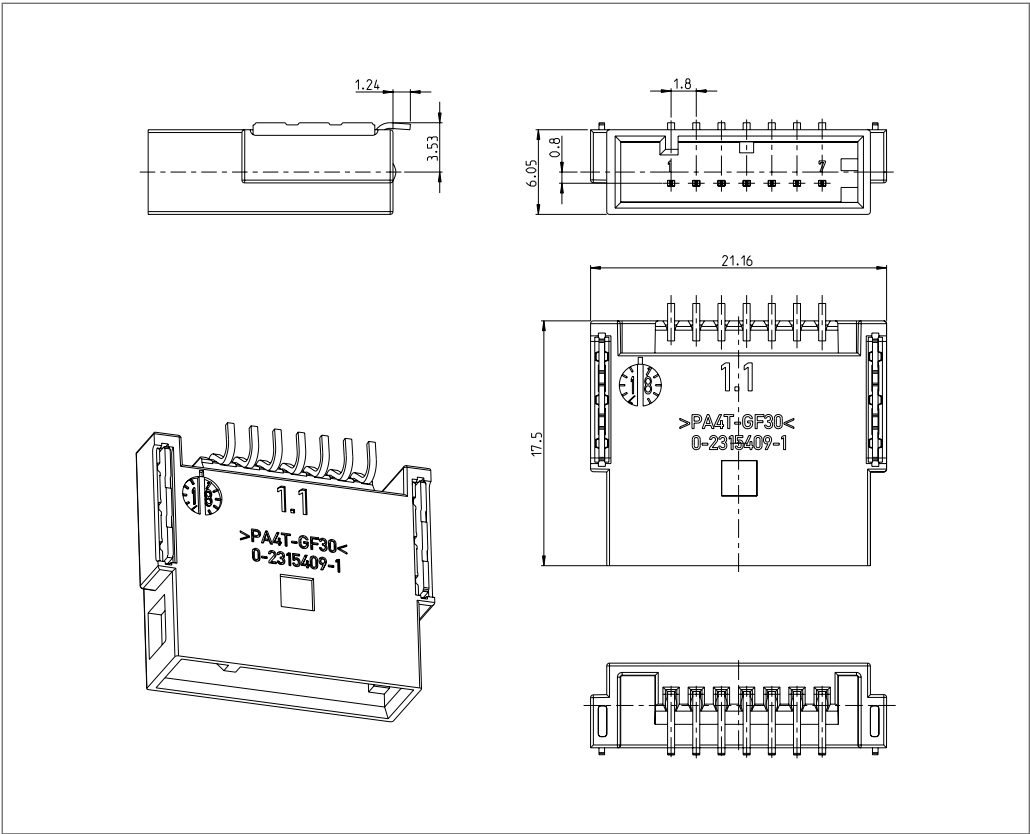
No. of Positions:
7 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

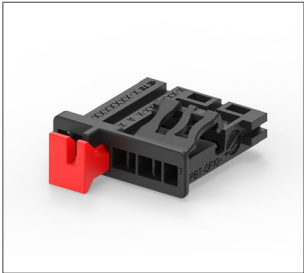
PCB Headers - Right Angle - 1 Row Design - 7 Positions



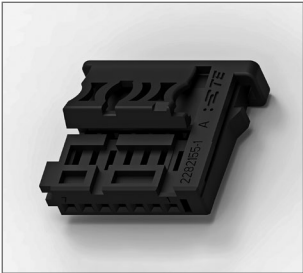
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2315409-1	N/A	N/A	2333105-1	2282155-1
Coding B	Natural	2315409-2			2333105-2	2282155-2
Coding C	Blue	2315409-3*			2333105-3*	2282155-3
Coding D	Violet	2315409-4*			2333105-4*	2282155-4

* on request

Mating Receptacle Housing with CPA
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Mating Receptacle Housing no CPA
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Technical Features

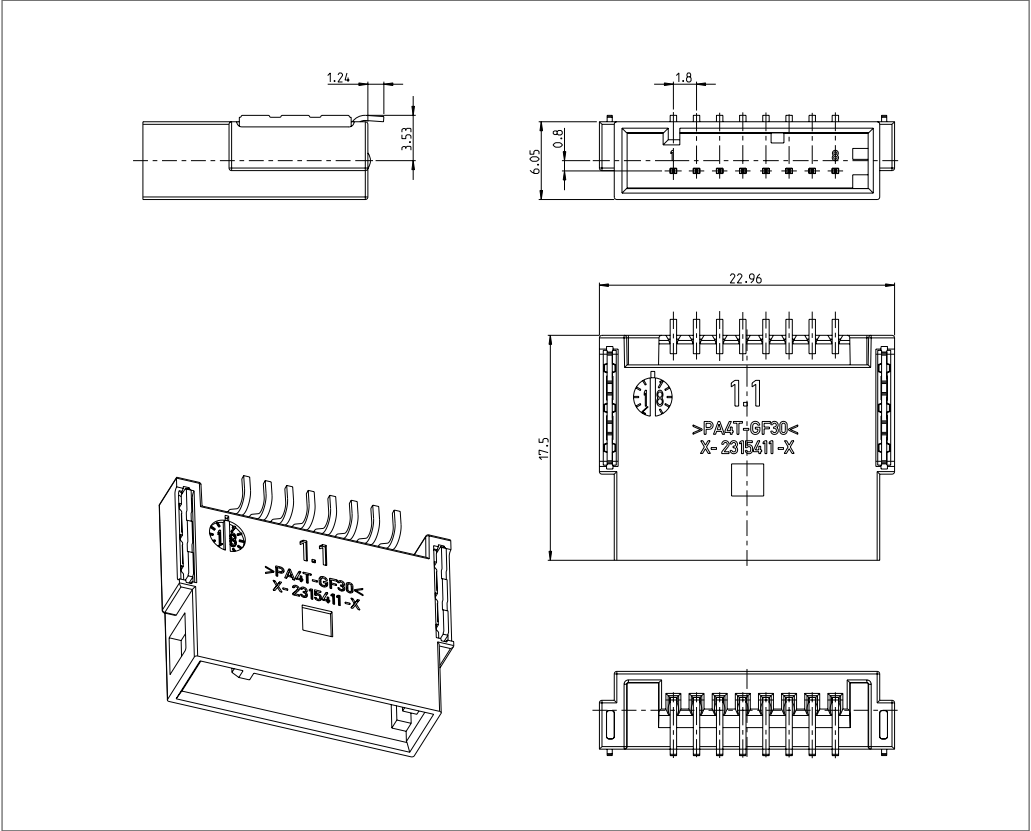
No. of Positions:
8 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

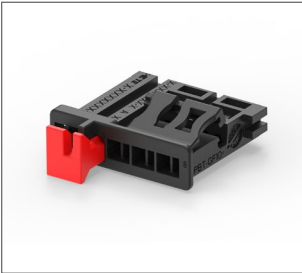
PCB Headers - Right Angle - 1 Row Design - 8 Positions



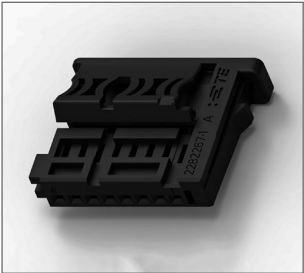
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2315411-1	N/A	N/A	2309873-1	2282267-1
Coding B	Natural	2315411-2			2309873-2	2282267-2
Coding C	Blue	2315411-3*			2309873-3	2282267-3
Coding D	Violet	2315411-4*			2309873-4*	2282267-4

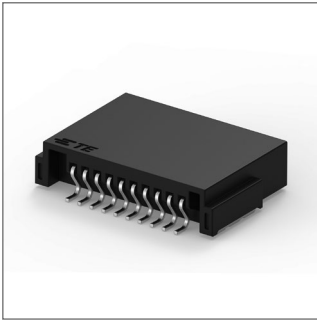
* on request

Mating Receptacle Housing with CPA
see page 54



Mating Receptacle Housing no CPA
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Technical Features

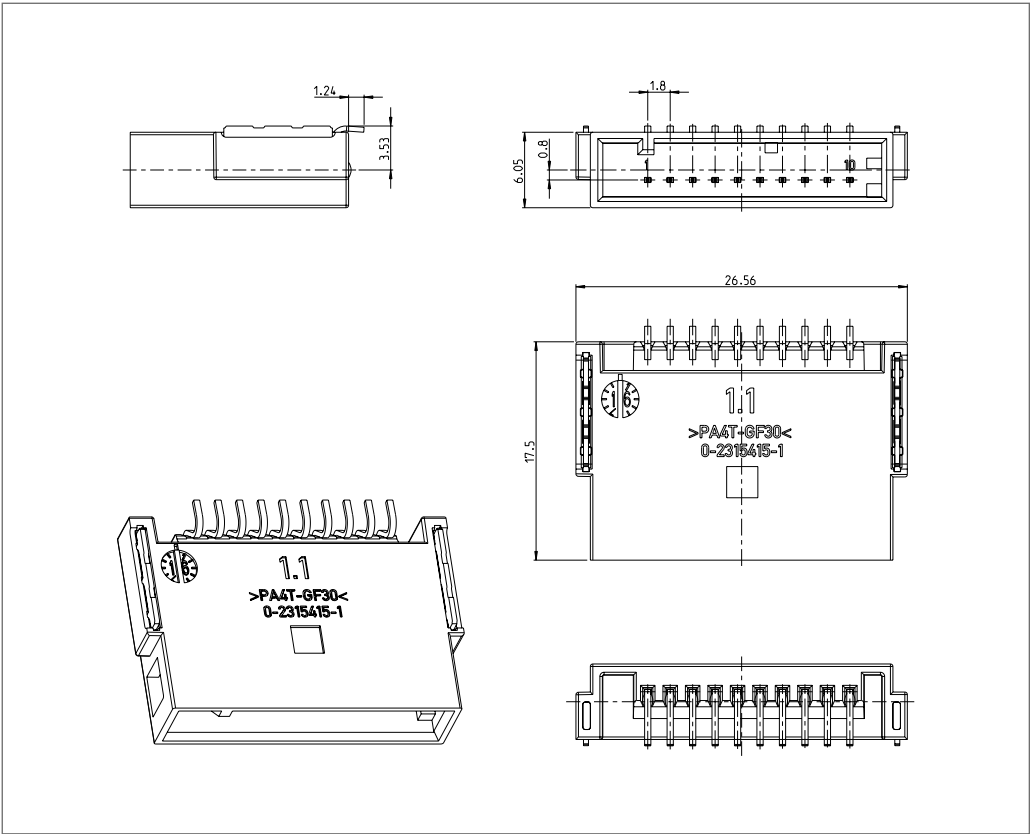
No. of Positions:
10 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

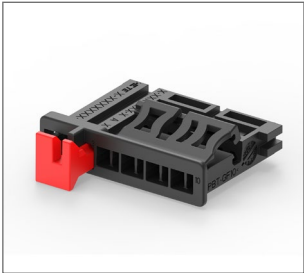
PCB Headers - Right Angle - 1 Row Design - 10 Positions



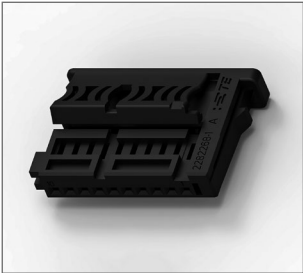
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2315415-1	N/A	N/A	2333108-1	2282268-1
Coding B	Natural	2315415-2			2333108-2	2282268-2
Coding C	Blue	2315415-3*			2333108-3*	2282268-3
Coding D	Violet	2315415-4*			2333108-4*	2282268-4

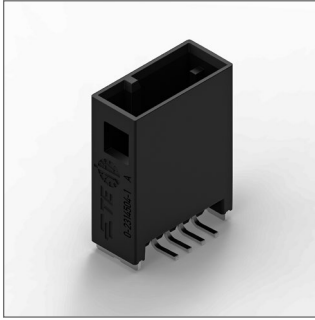
* on request

Mating Receptacle Housing
with CPA
see page 55



Mating Receptacle Housing
no CPA
see page 39





Technical Features

No. of Positions:

4 Positions

Housing Material:

PA4T-GF30

Material and Finish:

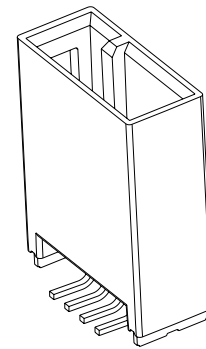
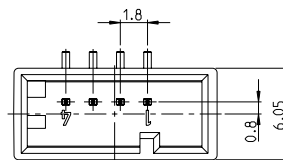
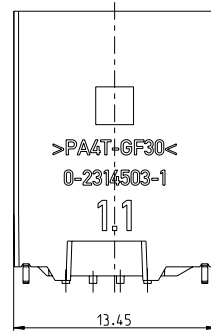
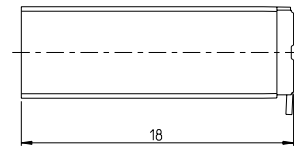
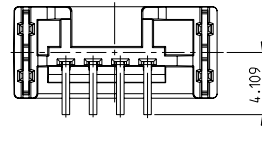
CuMg 0.1, Sn over Ni

Interface:

114-94000-17

208-18060

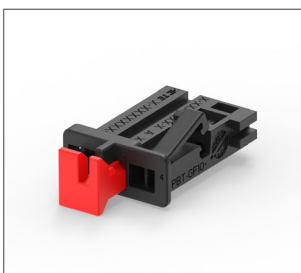
PCB Headers - Vertical Angle - 1 Row Design - 4 Positions



Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2314503-1	N/A	N/A	2333102-1	2282152-1
Coding B	Natural	2314503-2			2333102-2	2282152-2
Coding C	Blue	2314503-3*			2333102-3*	2282152-3
Coding D	Violet	2314503-4*			2333102-4*	2282152-4

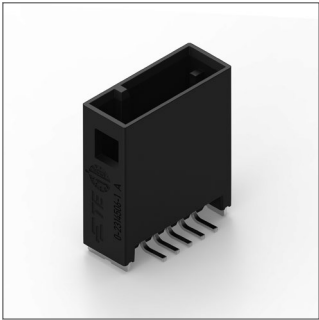
* on request

Mating Receptacle Housing
with CPA
see page 50



Mating Receptacle Housing
no CPA
see page 33





Technical Features

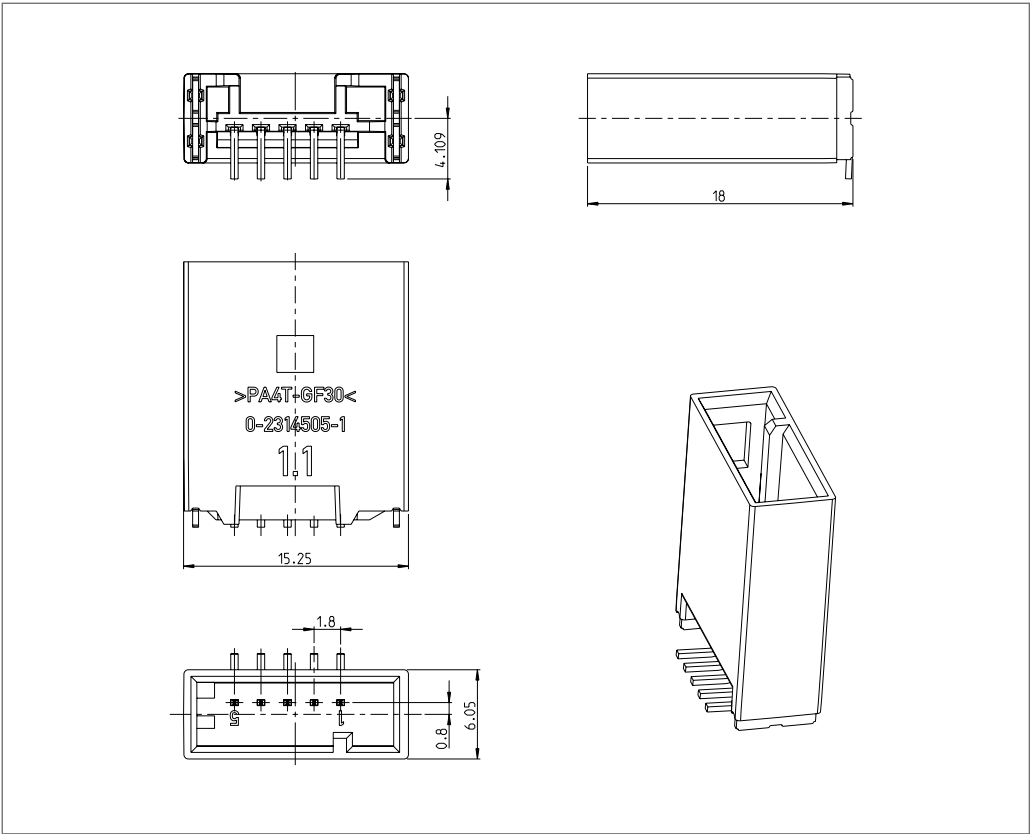
No. of Positions:
5 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-17
208-18060

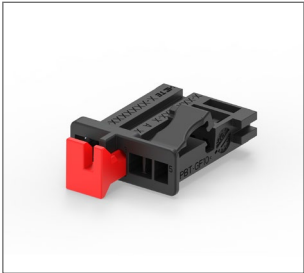
PCB Headers - Vertical Angle - 1 Row Design - 5 Positions



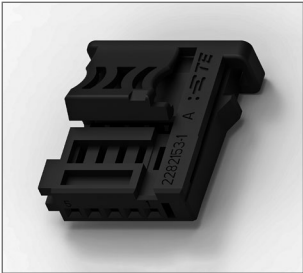
Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2314505-1	N/A	N/A	2333103-1	2282153-1
Coding B	Natural	2314505-2			2333103-2	2282153-2
Coding C	Blue	2314505-3			2333103-3	2282153-3
Coding D	Violet	2314505-4*			2333103-4*	2282153-4

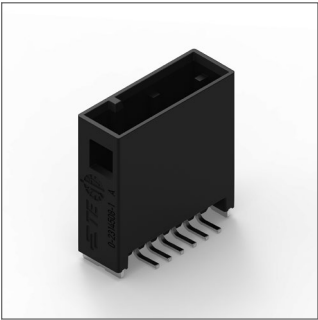
* on request

Mating Receptacle Housing with CPA
see page 51



Mating Receptacle Housing no CPA
see page 34

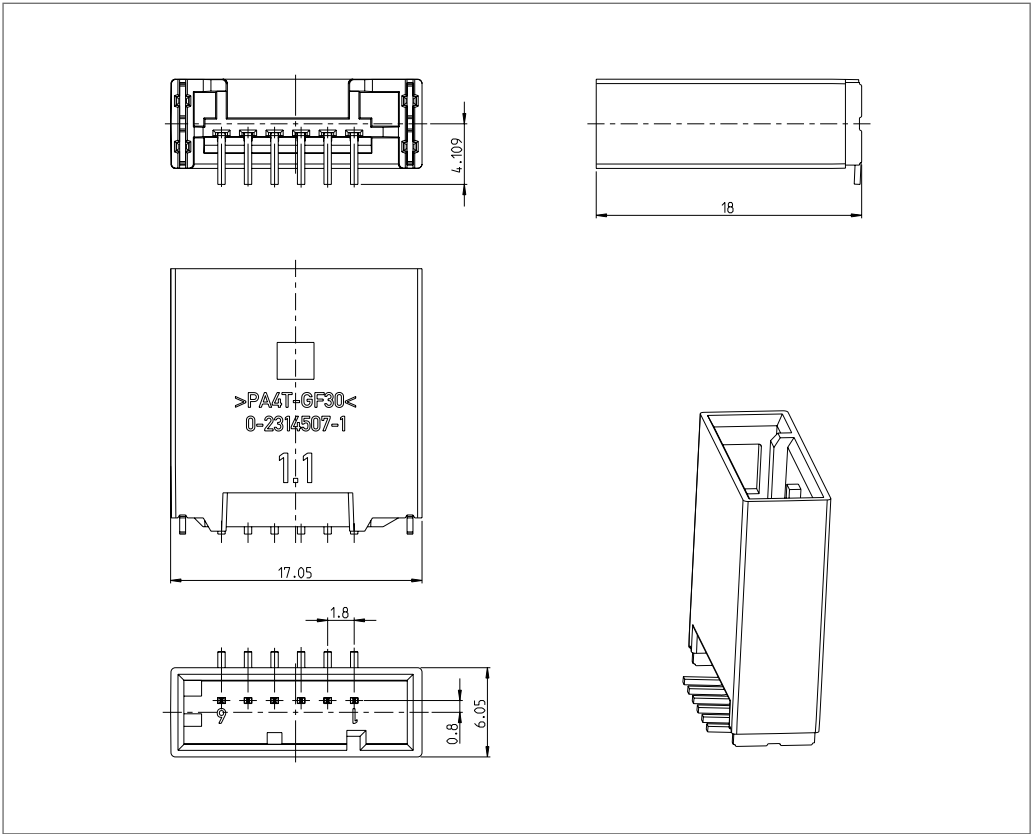




Technical Features

No. of Positions:
6 Positions
Housing Material:
PA4T-GF30
Material and Finish:
CuMg 0.1, Sn over Ni
Interface:
114-94000-17
208-18060

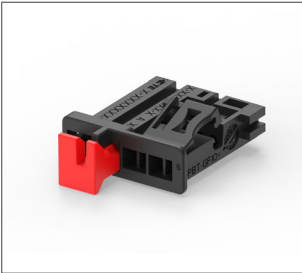
PCB Headers - Vertical Angle - 1 Row Design - 6 Positions



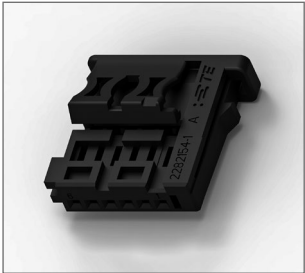
Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2314507-1	N/A	N/A	2333104-1	2282154-1
Coding B	Natural	2314507-2			2333104-2	2282154-2
Coding C	Blue	2314507-3*			2333104-3*	2282154-3
Coding D	Violet	2314507-4*			2333104-4*	2282154-4

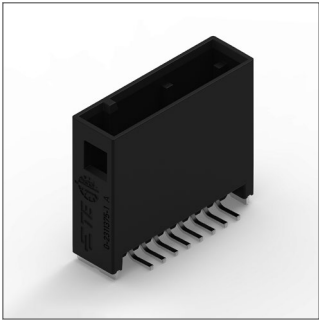
* on request

Mating Receptacle Housing with CPA
see page 52



Mating Receptacle Housing no CPA
see page 35

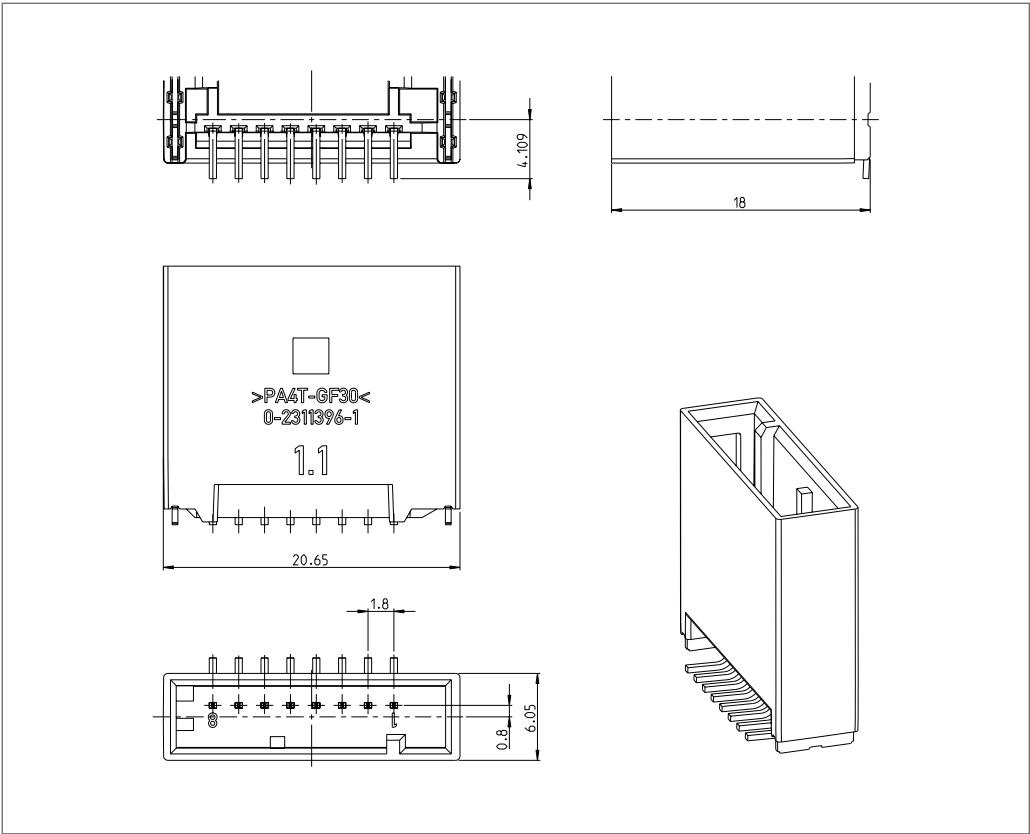




Technical Features

- No. of Positions:
8 Positions
- Housing Material:
PA4T-GF30
- Material and Finish:
CuMg 0.1, Sn over Ni
- Interface:
114-94000-17
208-18060

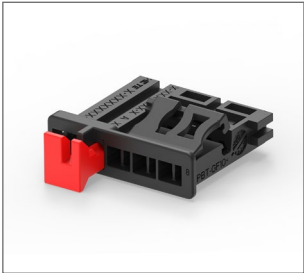
PCB Headers - Vertical Angle - 1 Row Design - 8 Positions



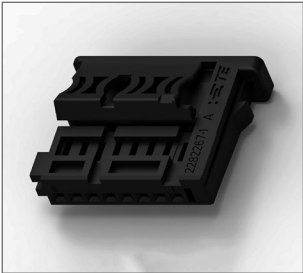
Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2311396-1	N/A	N/A	2309873-1	2282267-1
Coding B	Natural	2311396-2			2309873-2	2282267-2
Coding C	Blue	2311396-3			2309873-3	2282267-3
Coding D	Violet	2311396-4*			2309873-4*	2282267-4

* on request

Mating Receptacle Housing with CPA
see page 54



Mating Receptacle Housing no CPA
see page 37

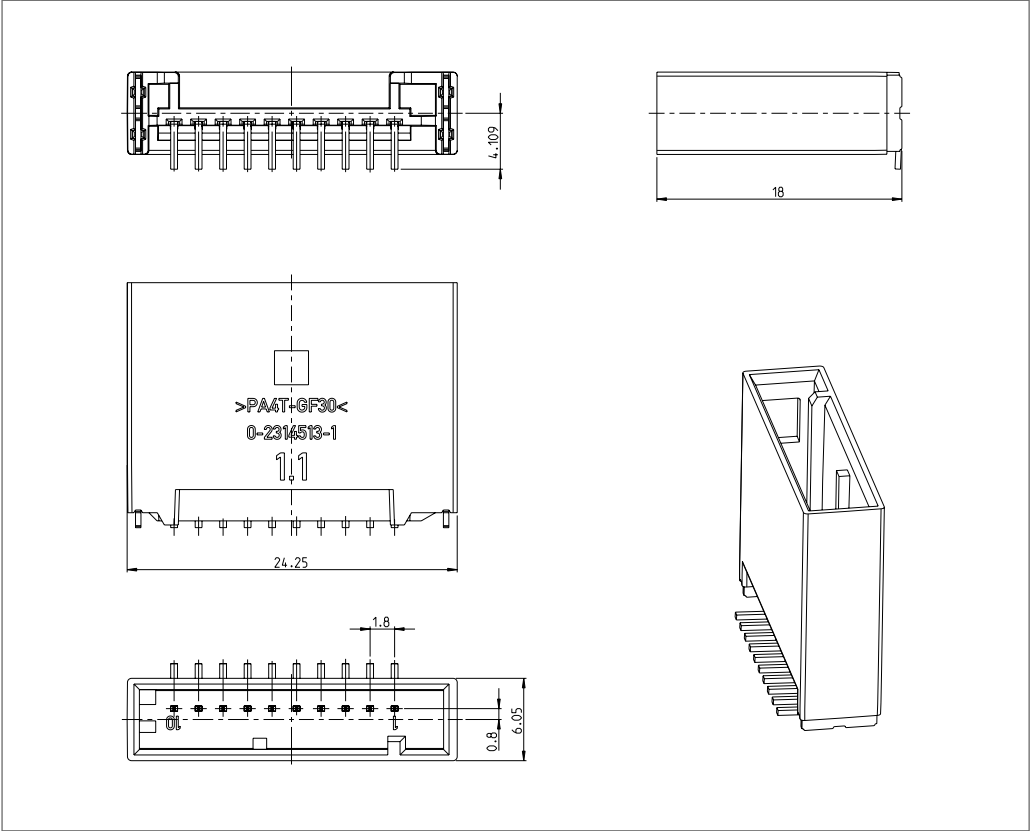




Technical Features

No. of Positions:
10 Positions
Housing Material:
PA4T-GF30
Material and Finish:
CuMg 0.1, Sn over Ni
Interface:
114-94000-17
208-18060

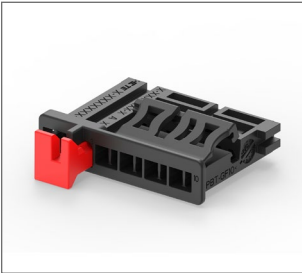
PCB Headers - Vertical Angle - 1 Row Design - 10 Positions



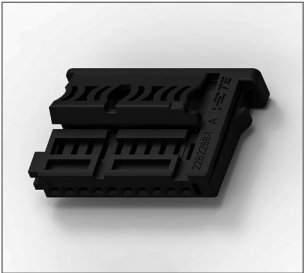
Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2314513-1	N/A	N/A	2333108-1	2282268-1
Coding B	Natural	2314513-2			2333108-2	2282268-2
Coding C	Blue	2314513-3*			2333108-3*	2282268-3
Coding D	Violet	2314513-4*			2333108-4*	2282268-4

* on request

Mating Receptacle Housing with CPA
see page 55



Mating Receptacle Housing no CPA
see page 39





Technical Features

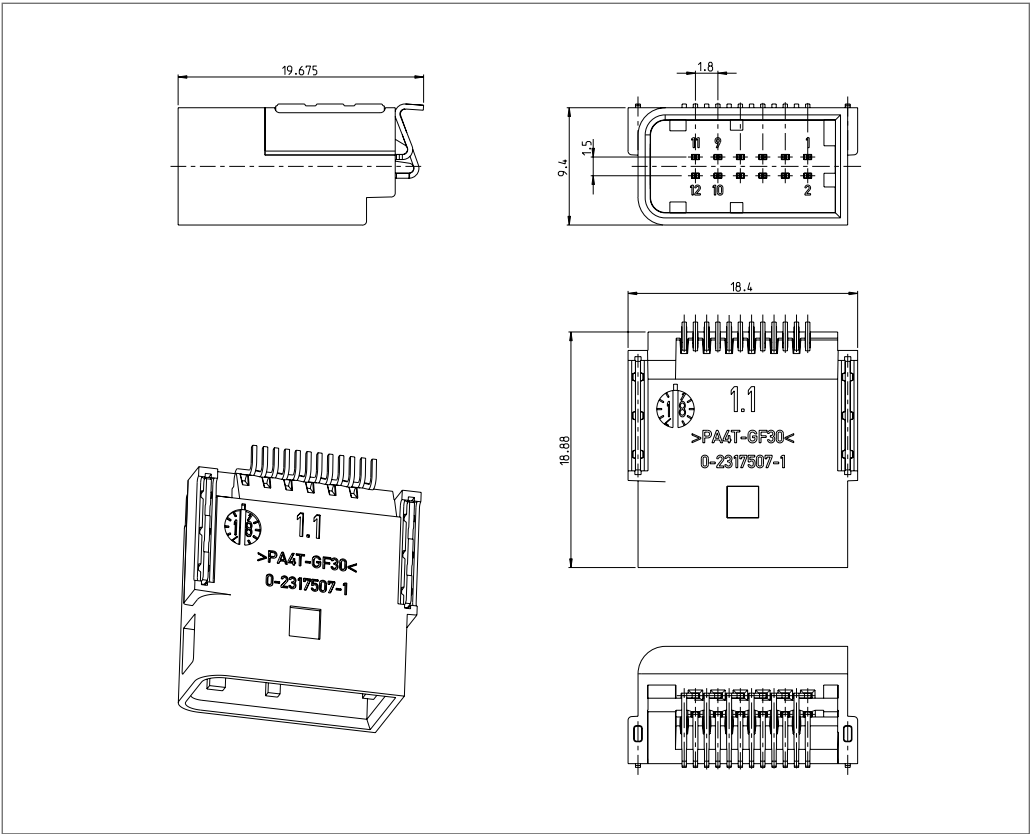
No. of Positions:
12 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-20

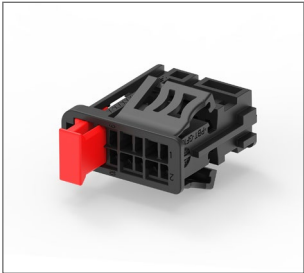
PCB Headers - Right Angle - 2 Row Design - 12 Positions



Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317507-1	N/A	N/A	2312110-1	2312212-1
Coding B	Natural	2317507-2			2312110-2	2312212-2
Coding C	Blue	2317507-3*			2312110-3*	2312212-3*
Coding D	Violet	2317507-4*			2312110-4*	2312212-4*

* on request

Mating Receptacle Housing with CPA
see page 59



Mating Receptacle Housing no CPA
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Technical Features

No. of Positions:

14 Positions

Housing Material:

PA4T-GF30

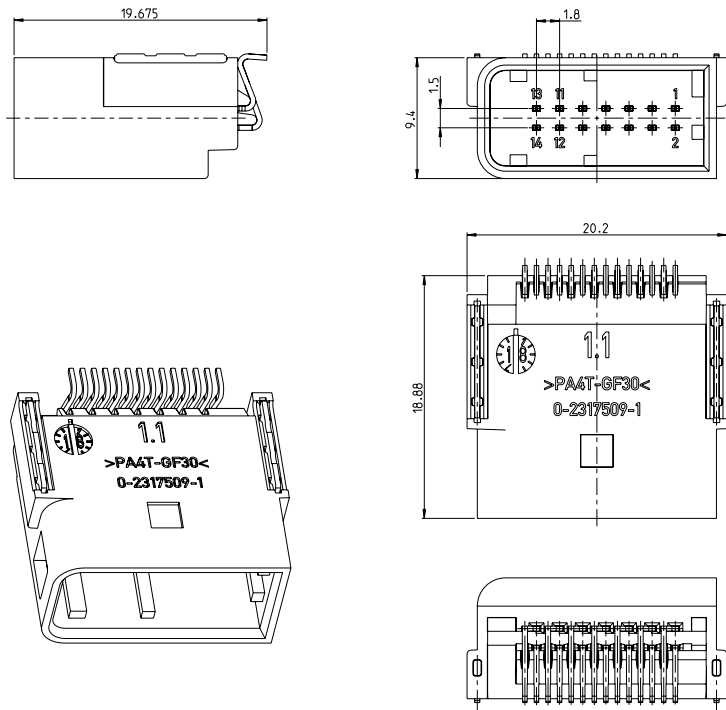
Material and Finish:

CuMg 0.1, Sn over Ni

Interface:

114-94000-20

PCB Headers - Right Angle - 2 Row Design - 14 Positions



Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317509-1	N/A	N/A	2312112-1	2320014-1
Coding B	Natural	2317509-2			2312112-2	2320014-2
Coding C	Blue	2317509-3*			2312112-3*	2320014-3*
Coding D	Violet	2317509-4*			2312112-4*	2320014-4*

* on request

Mating Receptacle Housing
with CPA
see page 60



Mating Receptacle Housing
no CPA
see page 46





Technical Features

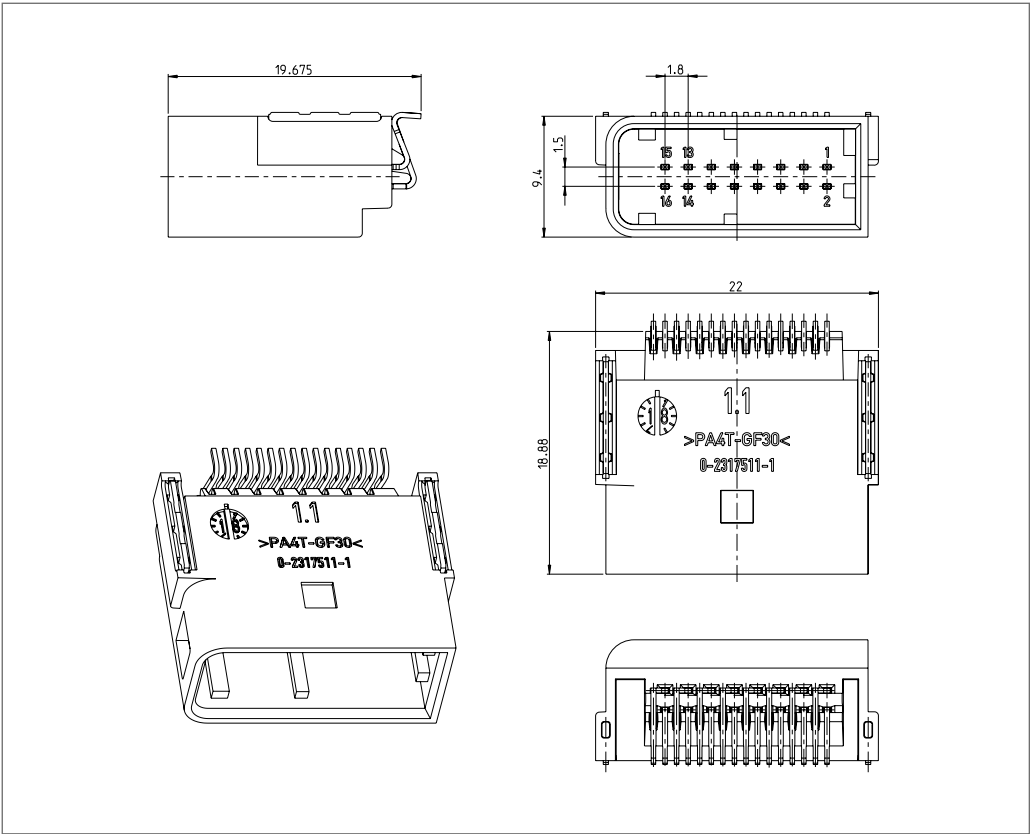
No. of Positions:
16 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-20

PCB Headers - Right Angle - 2 Row Design - 16 Positions



Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317511-1	N/A	N/A	2312114-1	2320016-1
Coding B	Natural	2317511-2			2312114-2	2320016-2
Coding C	Blue	2317511-3*			2312114-3*	2320016-3*
Coding D	Violet	2317511-4*			2312114-4*	2320016-4*

* on request

Mating Receptacle Housing with CPA
see page 61



Mating Receptacle Housing no CPA
see page 47





Technical Features

No. of Positions:

20 Positions

Housing Material:

PA4T-GF30

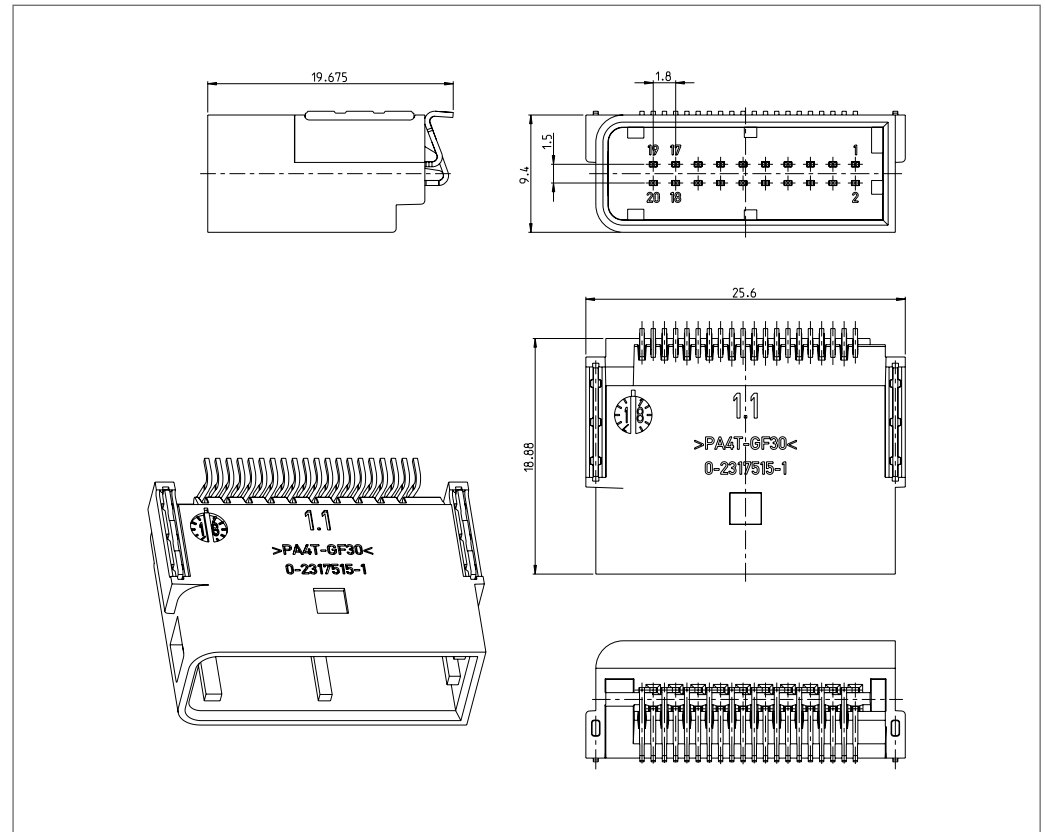
Material and Finish:

CuMg 0.1, Sn over Ni

Interface:

114-94000-20

PCB Headers - Right Angle - 2 Row Design - 20 Positions



Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317515-1	N/A	N/A	2312118-1	2320020-1
Coding B	Natural	2317515-2			2312118-2	2320020-2
Coding C	Blue	2317515-3*			2312118-3*	2320020-3*
Coding D	Violet	2317515-4*			2312118-4*	2320020-4*

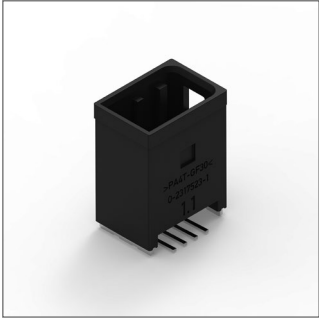
* on request

Mating Receptacle Housing
with CPA
see page 63



Mating Receptacle Housing
no CPA
see page 49





Technical Features

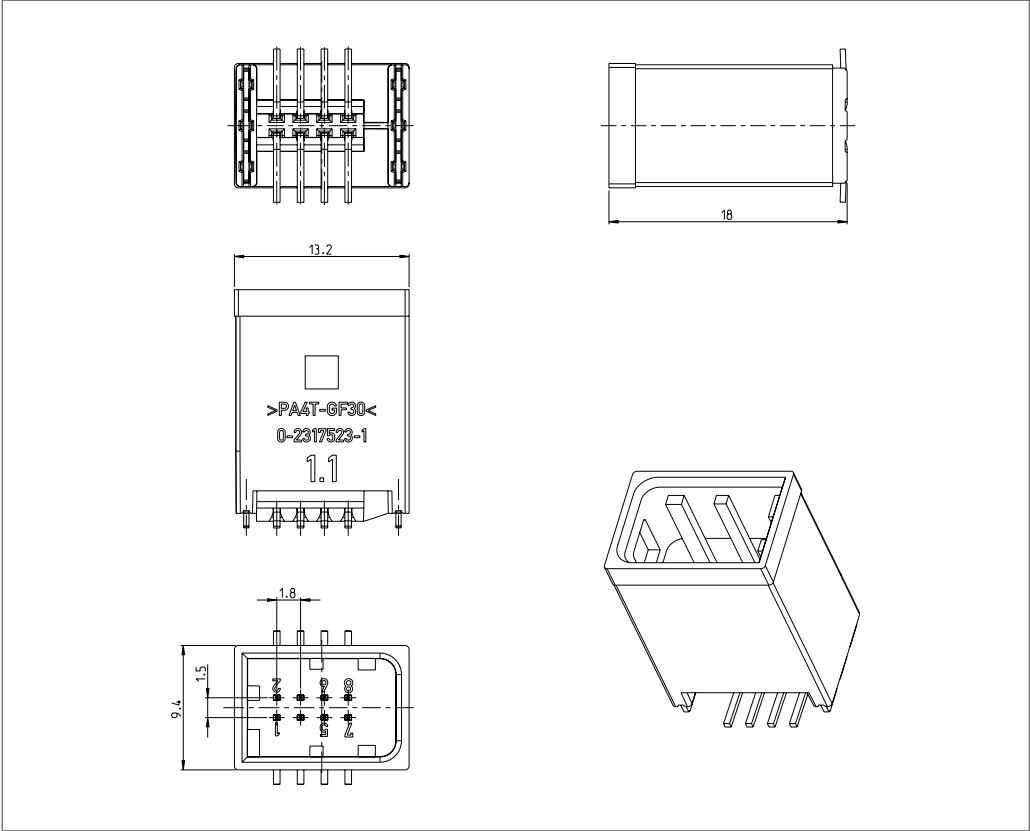
No. of Positions:
8 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-20

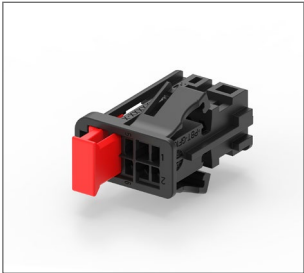
PCB Headers - Vertical Angle - 2 Row Design - 8 Positions



Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317523-1	N/A	N/A	2312106-1	2320008-1
Coding B	Natural	2317523-2			2312106-2	2320008-2
Coding C	Blue	2317523-3*			2312106-3*	2320008-3*
Coding D	Violet	2317523-4*			2312106-4*	2320008-4*

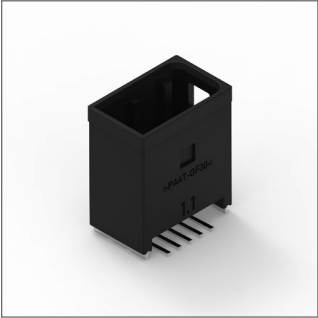
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Mating Receptacle Housing
with CPA
see page 57



Mating Receptacle Housing
no CPA
see page 43

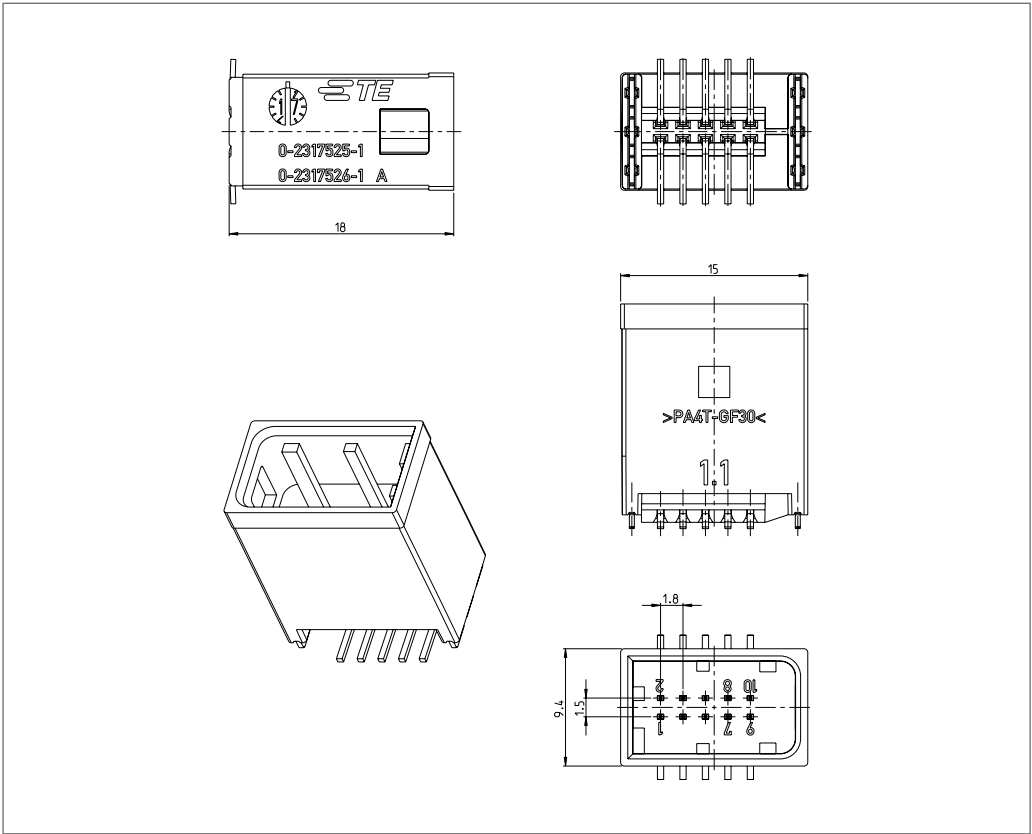




Technical Features

No. of Positions:
10 Positions
Housing Material:
PA4T-GF30
Material and Finish:
CuMg 0.1, Sn over Ni
Interface:
114-94000-20

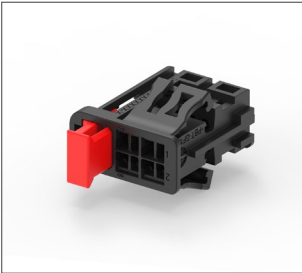
PCB Headers - Vertical Angle - 2 Row Design - 10 Positions



Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317525-1	N/A	N/A	2312108-1	2302475-1
Coding B	Natural	2317525-2			2312108-2	2302475-2
Coding C	Blue	2317525-3*			2312108-3*	2302475-3*
Coding D	Violet	2317525-4*			2312108-4*	2302475-4*

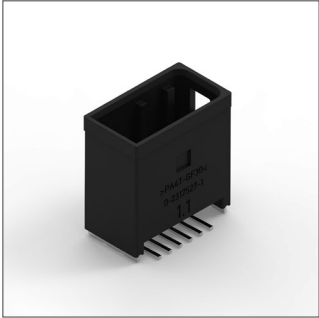
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Mating Receptacle Housing with CPA
see page 58



Mating Receptacle Housing no CPA
see page 44





Technical Features

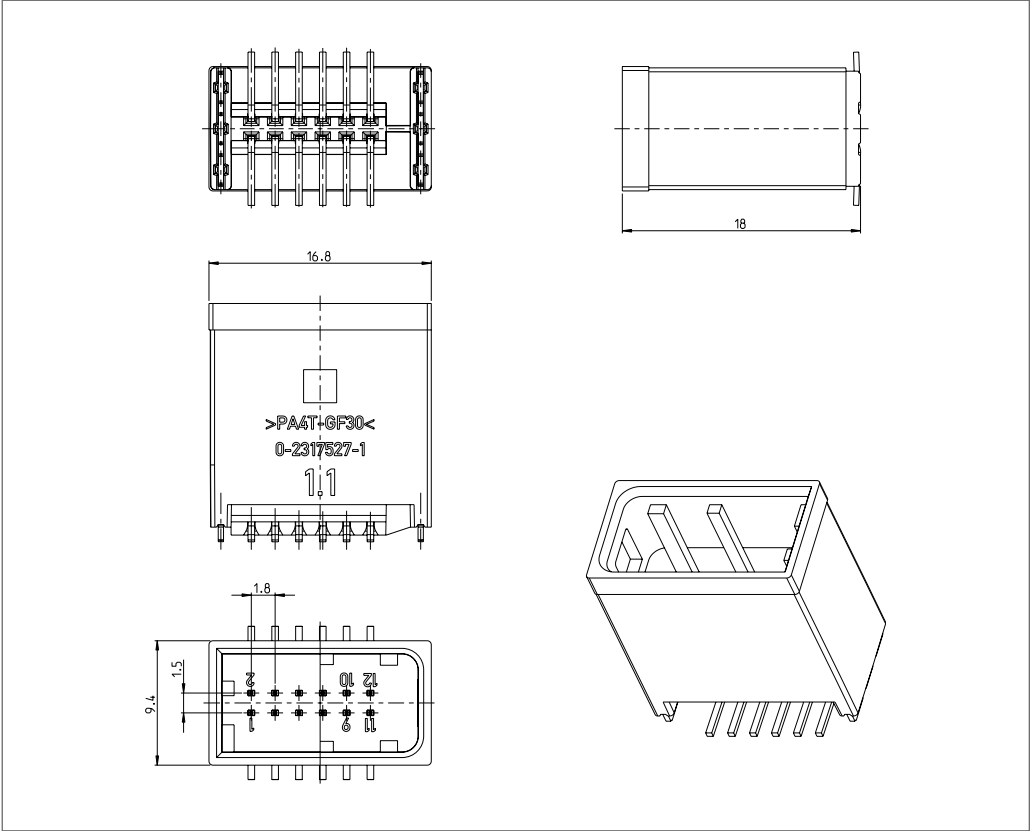
No. of Positions:
12 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-20

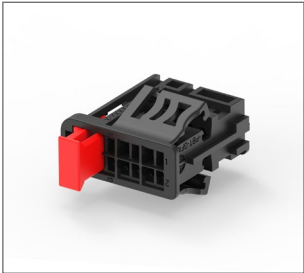
PCB Headers - Vertical Angle - 2 Row Design - 12 Positions



Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317527-1	N/A	N/A	2312110-1	2312212-1
Coding B	Natural	2317527-2			2312110-2	2312212-2
Coding C	Blue	2317527-3*			2312110-3*	2312212-3*
Coding D	Violet	2317527-4*			2312110-4*	2312212-4*

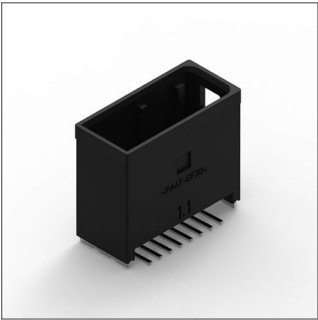
* on request

Mating Receptacle Housing with CPA
see page 59



Mating Receptacle Housing no CPA
see page 45

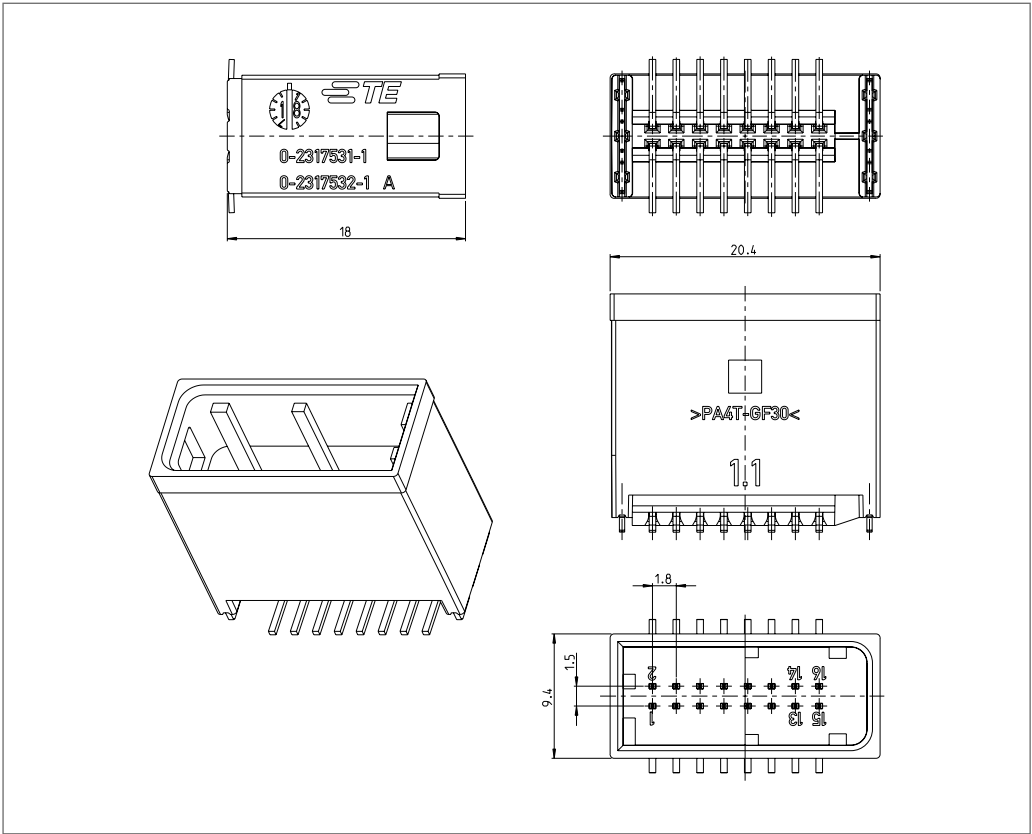




Technical Features

No. of Positions:
16 Positions
Housing Material:
PA4T-GF30
Material and Finish:
CuMg 0.1, Sn over Ni
Interface:
114-94000-20

PCB Headers - Vertical Angle - 2 Row Design - 16 Positions



Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317531-1	N/A	N/A	2312114-1	2320016-1
Coding B	Natural	2317531-2			2312114-2	2320016-2
Coding C	Blue	2317531-3*			2312114-3*	2320016-3*
Coding D	Violet	2317531-4*			2312114-4*	2320016-4*

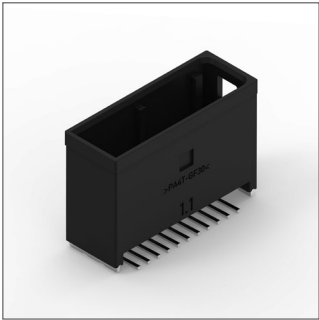
* on request

Mating Receptacle Housing with CPA see page 61



Mating Receptacle Housing no CPA see page 47





Technical Features

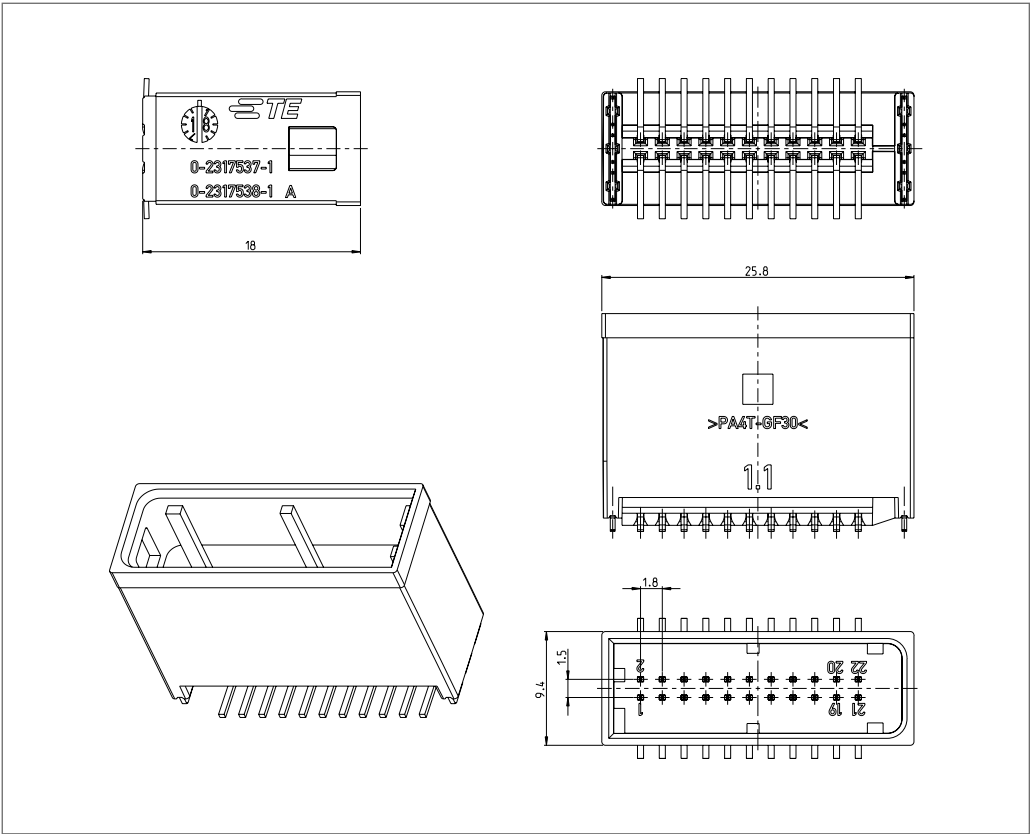
No. of Positions:
22 Positions

Housing Material:
PA4T-GF30

Material and Finish:
CuMg 0.1, Sn over Ni

Interface:
114-94000-20

PCB Headers - Vertical Angle - 2 Row Design - 22 Positions



Keying Options	Housing Color	PCB Header Vertical Angle	Cover	Lever	Part Numbers	
					Mating Receptacle Housings	
					with CPA	no CPA
Coding A	Black	2317537-1	N/A	N/A	2312120-1	*
Coding B	Natural	2317537-2			2312120-2	*
Coding C	Blue	2317537-3*			2312120-3*	*
Coding D	Violet	2317537-4*			2312120-4*	*

* on request

Mating Receptacle Housing
with CPA see page 64



YOU CAN RELY ON APPLICATION TOOLING FROM TE CONNECTIVITY

TE's Application Tooling portfolio provides customers a wide range of flexible, high quality, reliable solutions that meet all levels of NanoMQS production volume requirements and product specifications.

For decades customers have come to trust the TE brand both during and after the sale thanks to a global network of field service engineers and product managers. We can supply product, training and support for everything from simple hand tools to the most complex automated systems.

Tooling for NanoMQS Applications

Insertion and extraction tools are used for inserting discrete terminals into connector housings or removing them, without causing damage to either the terminals or housings. Many different design types exist for our vast terminal product range including NanoMQS connectors.

Termination of small wires via crimping requires appropriate tools to confirm that the wire is terminated with the same level of quality that is generally expected of a crimp connection – this applies to automatic termination and hand-operation processes alike.

Only precision application tools like our specific applicators and hand tool for NanoMQS connectors deliver the essential air-tight crimping connection without potentially damaging the fine wire.

OCEAN 2.0 Applicators

Wire small diameter wire harness applications like NanoMQS require a high degree of quality, reliability and repeatability. Our OCEAN 2.0 applicators are crafted from high grade tool steels and processed through advanced CNC equipment for tight tolerances to meet demands for high repeatability and faster throughput. Its robust design is not only easy-to-install, but also designed for fast adjustments to make them even more accurate.



Insertion and extraction tools

YOU CAN RELY ON APPLICATION TOOLING FROM TE CONNECTIVITY

OCEAN 2.0 & GII Terminators: A Perfect Combo

Customers can take their NanoMQS wire processing to new levels by running an OCEAN 2.0 applicator in a GII bench top terminator. All GII models include precision adjustment for crimp height — an important feature, which, in combination with the optional Crimp Quality Monitor (CQM II), enables repeatable, tight crimp tolerances required for today's demands for higher levels of quality.

Defective crimp-cut models provide an even higher level of quality for customers looking to control defects from continuing in the manufacturing process, once a crimp error is detected. With the help of our CQM II, defective crimp cut technology can immediately detect when a bad crimp occurs and cut off the crimped terminal to keep bad crimps from accidentally passing to the next step in your wire harness manufacturing.

Trust on TE All Down the Line

Whether you're looking for high quality potable tools or need a semi-automatic termination solution to handle your crimping challenges, TE has the sales, engineering and field service support to guide you through the selection, installation and service of your equipment.

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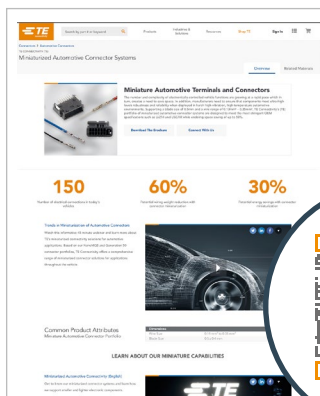
OCEAN 2.0 Applicator



GII Terminator

TE CONNECTIVITY ONLINE

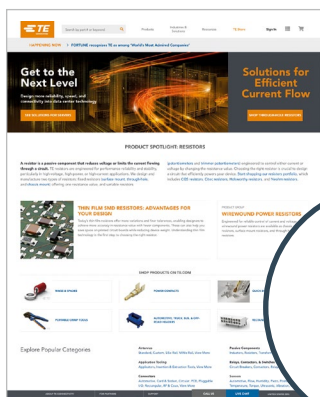
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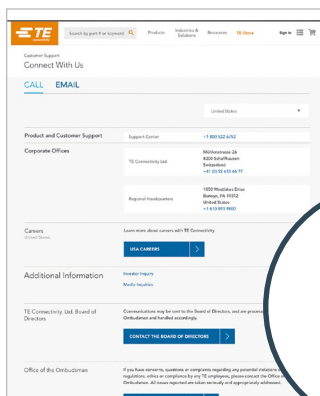
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