









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 infotainment 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.



CABLE ASSEMBLIES

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



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. Connection after connection, you can count on TE for smaller, greener, lighter and smarter solutions you can trust.





SENSOR SOLUTIONS

Data is critical for making vehicles safer, greener, smarter and more connected. 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.



INFOTAINMENT

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



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.

1st Digit

Against Foreign Objects (incl. Dust)

1st Digit

Against Foreign Objects (incl. Dust)

0



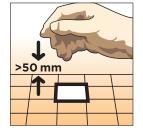
Not protected.

5K



Dust protected.

1



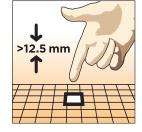
Protected against solid objects greater than 50 mm (ex. back of hand).

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).

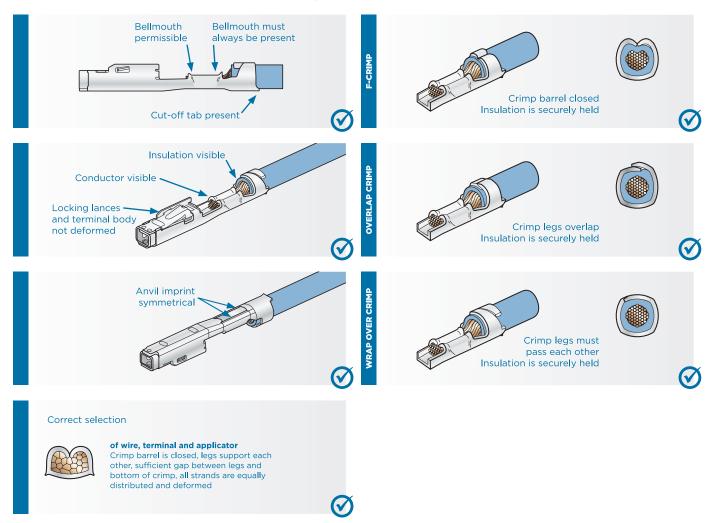
2nd Digit	Agair	nst Water	2nd Digit	Agair	nst Water
0		Not protected.	5		Protected against jetting water.
1		Protected against vertically dripping water.	6	Part of the second of the seco	Protected against powerfully jetting water.
2	15°	Protected against dripping water when tilted up to 15°.	6K		Protected against powerfully jetting water with increased pressure (Automotive).
3	60°	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	9K		Protected against high-pressure/

steam-jet cleaning

(Automotive).

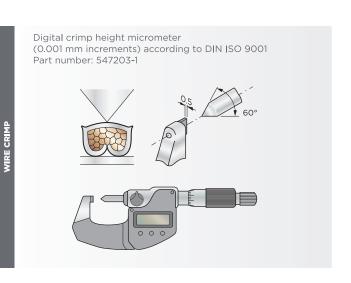
increased pressure.

Good Crimp Quality

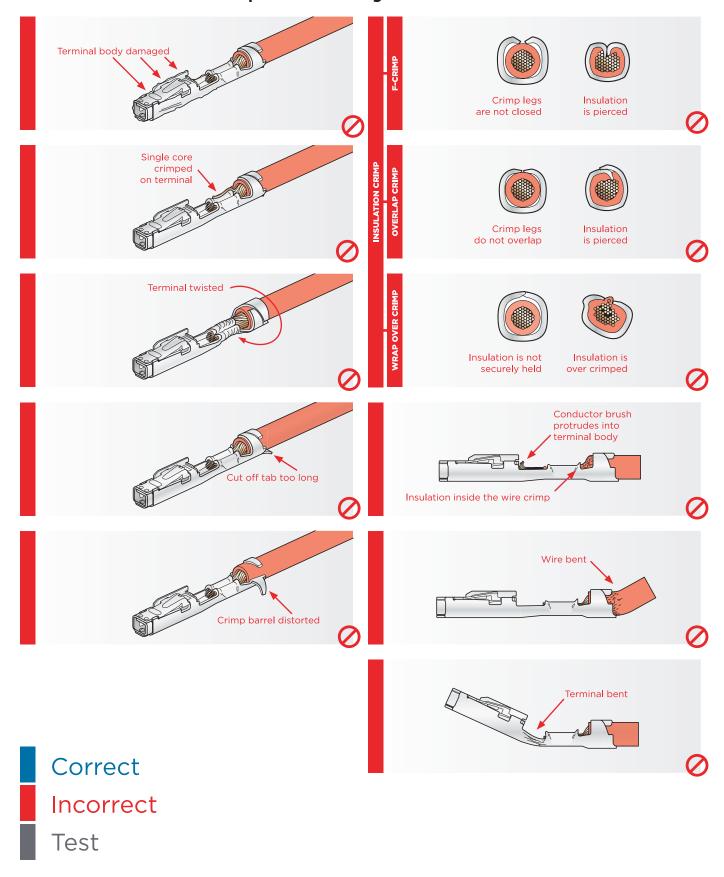


Test





Incorrect Crimp Quality



At TE Connectivity, we support your RoHS requirements. We've assessed more than 1.5 million end items/components for RoHS compliance, and issued new part numbers where any change was required to eliminate the restricted materials. Part numbers in this catalog are identified as:

RoHS Compliant

Part numbers in this catalog are RoHS Compliant, unless marked otherwise. These products comply with European Union Directive 2002/95/EC as amended 1 January 2006 that restricts the use of lead, mercury, cadmium, hexavalent chromium, PBB, and PBDE in certain electrical and electronic products sold into the EU as of 1 July 2006.

Note: For purposes of this Catalog, included within the definition of RoHS Compliant are products that are clearly "Out of Scope" of the RoHS Directive such as hand tools and other non-electrical accessories.

Non-RoHS Compliant

These part numbers are identified with a "t" symbol. These products do not comply with the material restrictions of the European Union Directive 2002/95/EC.

5 of 6 Compliant

A "I" symbol identifies these part numbers. These products do not fully comply with the European Union Directive 2002/95/EC because they contain lead in solderable interfaces (they do not contain any of the other five restricted substances above allowable limits). However, these products may be suitable for use in RoHS applications where there is an application-based exception for lead in solders, such as the server, storage, or networking infrastructure exemption. Note: Information regarding RoHS compliance is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. For latest compliance status, refer to our website referenced below. So whatever your questions when it comes to RoHS, we've got the answers at http://www.TE.com/customersupport/rohssupportcenter/

Getting the information you need

Our comprehensive on-line RoHS Customer Support Center provides a forum to answer your questions and support your RoHS needs. A RoHS FAQ (Frequently Asked Questions) is available with links to more detailed information. You can also submit RoHS questions and receive a response within 24 hours during a normal work week. The Support Center also provides:

- Cross-Reference from Non-compliant to Compliant Products
- Ability to browse RoHS Compliant Products in our on-line catalog: www.TE.com/commerce/alt/RohsAltHome.do
- Downloadable Technical Data Customer Information Presentation
- More detailed information regarding the definitions used above

AWG Code	Diameter (Inch)	Diameter (mm)	F (mm²)
000000	0.5800	14.733	170.0
00000	0.5165	13.13	135.0
0000	0.4600	11.684	103.8
000	0.4096	10.40	79.0
00	0.3648	9.27	67.5
0	0.3249	8.25	53.4
1	0.2893	7.34	42.2
2	0.2576	6.55	33.7
3	0.2294	5.82	26.6
4	0.2043	5.18	21.0
5	0.1819	4.62	16.9
6	0.1620	4.115	13.25
7	0.1443	3.66	10.25
8	0.1285	3.26	8.34
9	0.1144	2.90	6.6
10	0.1019	2.59	5.27
11	0.0907	2.30	4.15
12	0.0808	2.05	3.3
13	0.0720	1.83	2.63
14	0.0641	1.63	2.08
15	0.0571	1.45	1.65
16	0.0508	1.29	1.305
17	0.0453	1.14	1.01
18	0.0403	1.02	0.79
19	0.0359	0.91	0.65
20	0.0320	0.81	0.51
21	0.0285	0.72	0.407
22	0.0253	0.64	0.32
23	0.0233	0.57	0.255
24	0.0220	00.51	0.205
25	0.0201	0.455	0.203
26 26	0.0179	0.40	0.102
20 27	0.0159	0.36	0.123
28	0.0126	00.320	0.102
26 29	0.0120	00.287	0.0646
30	0.0113	00.254	0.0516
30 31			
	0.0089	00.226	0.04
32	0.0080	00.203	0.0324
33 34	0.0071 0.0063	00.180	0.0255 0.02
	1	00.160	
35	0.0056	00.142	0.0158
36	0.0050	00.127	0.0127
37	0.0045	00.114	0.01
38	0.0040	00.101	0.008
39	0.0035	00.089	0.0062
40	0.0031	00.079	0.0049
41	0.0028	00.071	0.00395
42	0.0025	00.064	0.00321
43	0.0022	00.056	0.00246
44	0.00198	00.050	0.00196
45	0.00176	00.045	
46	0.00157	00.040	
47	0.00140	00.036	
48	0.00124	00.031	
49	0.00110	00.028	
50	0.00099	00.025	<u></u>

Remark: Starting from 0.03 mm2 (AWG 32) a wire can be crimped.

Most of the wire size ranges are mentioned in mm², as well as the insulation diameters which are in many cases only in mm's We therefore included the conversion tables on page X and page XI.

Please note that wire and insulation sizes are for guidance only. Consult the customer drawing for precise detail.

FLK and FLR

stand for German DIN (72551) abbreviations.

FLK means:

In German:

Fahrzeug Leitung
 Kunststoff

In English:

• Vehicle Cable Plastic

FLR means:

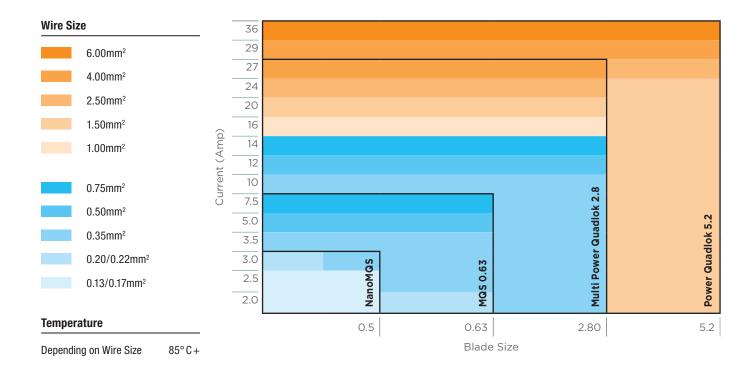
In German:

Fahrzeug Leitung
 Reduziert

In English:

 Thin Walled Cable (reduced insulation thickness)

Blade Size vs. Current

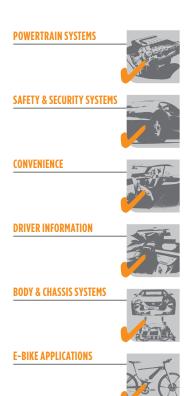


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Receptacle Housings							
8 positions	14	•	•	•	•	•	•
12 positions	15	•	•	•	•	•	•
20 positions	16	•	•	•	•	•	•
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6 positions	18	•	•	•	•	•	•
20 positions	19	•	•	•	•	•	•
Receptacle Housings - 2 Row Design							
6 positions	20	•	•	•	•	•	•
10 positions	21	•	•	•	•	•	•
14 positions	22	•	•	•	•	•	•
20 positions	23	•	•	•	•	•	•

NanoMQS Interconnectors	Page	Powertrain Systems	Safety & Security Systems	Convenience	Driver Information	Body & Chassis Systems	E-Bike Applications
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3 positions	25	•	•	•	•	•	•
4 positions	26	•	•	•	•	•	•
5 positions	27	•	•	•	•	•	•
6 positions	28	•	•	•	•	•	•
7 positions	29	•	•	•	•	•	•
8 positions	30	•	•	•	•	•	•
9 positions	31	•	•	•	•	•	•
10 positions	32	•	•	•	•	•	•
11 positions	33	•	•	•	•	•	•
NanoMQS Sealed Housings	34 - 37				<u>'</u>		
Receptacle Housings							
2 positions	34	•	•	•	•	•	•
4 positions	35	•	•	•	•	•	•
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Global Contacts | Imprint





NanoMQS CONTACTS

NanoMQS CONTACTS INTRODUCTION

To address the growing requirements of the automotive industry in relation to the optimization of the space envelopes for control units and assemblies, TE Connectivity has developed the NanoMQS contact product family.

The base element is a female contact suitable for a contact blade cross-section of 0.5 x 0.4mm. The NanoMQS contact expands the family of MQS contacts already proven in the automotive industry and makes it possible to reduce spatial volume up to 50%.

As such, compared to systems with a nominal size of 0.63, significant space and weight savings are possible. The NanoMQS contact features very good current carrying capability at high ambient temperatures. On the other hand the insertion and extraction forces are very low and avoid mechanical aids for the actuation of connection systems with up to 32 contact positions.

As a result further space savings are possible compared to other systems. Of course the contact system and the connectors have been designed in strict compliance with the design and function guidelines published by major car manufacturers. All NanoMQS applications are therefore extremely robust.

Despite the small size, it was possible to integrate the internationally required elements for the catch mechanism (primary lock) and catch lock (secondary locking); these features also comply with the force requirements in the underlying automotive specifications. In accordance with the design philosophy for the MQS system, the NanoMQS contact can also be arranged in a grid as an integer multiple of all contacts in the series.

All contacts can be realized in mixed arrangements almost without limitation, as the position of the catch lock also follows the platform standard for the MQS family.

NanoMQS Interconnectors NanoMQS Terminal

Receptacle Contacts



Technical Features

Contact Material:

CuNiSi/CuSn

Surface Contact Area:

Tin plated: 0.8-2.2 μm Sn Silver plated: 1.8-5 μm Ag

Wire Size Range:

0.13-0.35mm²

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:

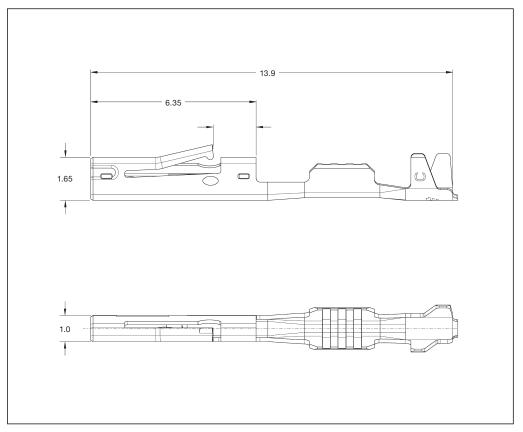
20 tin plated 50 silver plated

Application Specification:

114-18858

Product Specification:

108-94099



Receptacle Contacts

Wire Size	Insulation	Material	Mating		Part Numbers		
Range (mm²)	Diameter (mm)	and Finish	and Finish Tab Contact		Applicator	Hand Tool	
0.12 0.17	max. 1.1	CuNiSi, silver plated	2236905-3	1-1703930-2	0151000 v	4-1579014-0	
0.13 – 0.17	max. 1.1	CuSn, tin plated	2236905-1	1-1703930-1	2151332-x 1-1703930-1		
0.22 – 0.35	0.95 – 1.2	CuNiSi, silver plated	1-2236905-3	2-1703930-2	- 2151523-x	4-1579014-0	
0.22 - 0.35	0.95 – 1.2	CuSn, tin plated	1-2236905-1	2-1703930-1	2131323-X	4-15/9014-0	
0.25	min. 1.2 max. 1.3	C min. 1.2 silve		1-2236905-3	2-1703930-2	· 2151524-x	4-1579014-0
0.35		CuSn, tin plated	1-2236905-1	2-1703930-1	2101024-X	4-13/3014-0	

Mating Tab Contact see page 3



Selecting an Applicator Online:

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

Selecting Applicator Replaceable Tooling Online:

 $\underline{www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html}$

NanoMQS Interconnectors

NanoMQS Terminal

Tab Contacts



Technical Features

Contact Material:

CuSn

Surface Contact Area:

Tin plated: 1-3 µm Sn Silver plated: 2-4 µm Ag

Wire Size Range:

0.13-0.35mm²

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:

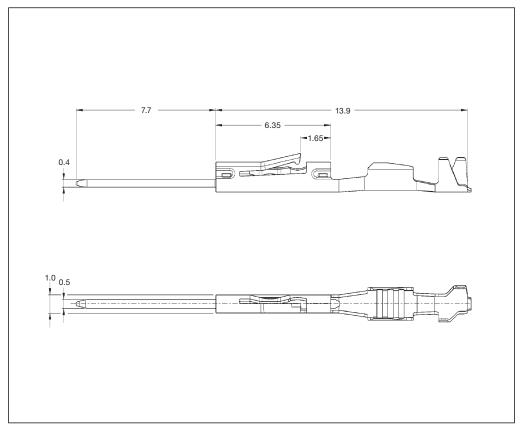
20 tin plated 50 silver plated

Application Specification:

114-94288

Product Specification:

108-94099



Tab Contacts

Wire Size	Insulation	Material	Mating		Part Numbers	
Range (mm²)	and Finish		Strip Form	Applicator	Hand Tool	
0.10 0.17	0.85 – 1.10	CuSn, tin plated	1-1703930-2	2236905-1	- 2266620-2	4-1579014-3
0.13 – 0.17	0.85 – 1.10	CuNiSi, silver plated	1-1703930-1	2236905-3	- 2200020-2	4-10/9014-3
0.22 - 0.35	0.95 – 1.30	CuSn, tin plated	2-1703930-2	1-2236905-1	- 2266621-x	4-1579014-3
0.22 – 0.33	0.95 – 1.50	CuNiSi, silver plated	2-1703930-1	1-2236905-3	2200021-X	4-15/9014-3
0.25	100 100	CuSn, tin plated	2-1703930-2	1-2236905-1	- 2266622-x	4-1579014-3
0.35	1.20 – 1.30	CuNiSi, silver plated	2-1703930-1	1-2236905-3	220002Z-X	4-10/3014-3

Mating Receptacle Contact see page 2



Selecting an Applicator Online:

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

Selecting Applicator Replaceable Tooling Online:

 $\underline{www.te.com/global-en/products/application-tooling/applicator-spare-parts-search.html}$

NanoMultispring Press-Fit Pin



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:**

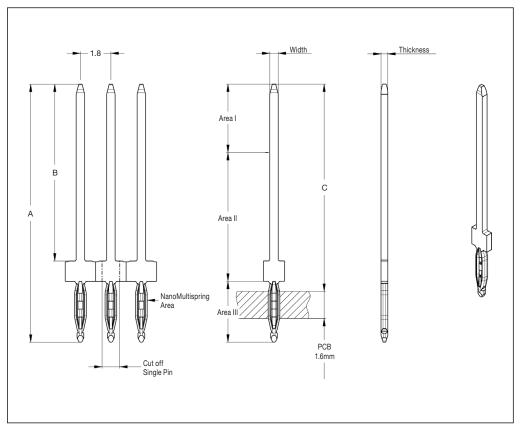
2282347

Product Requirements:

IEC 60352-5 / TE 108-90836

Product Specification:

TE 108-90836



NanoMultispring Press-Fit Pin

Dimension Area I, Contact Tab Area (mm)	Contact Tab Area Dimensions (mm)		Nominal PCB Hole Diameter	PCB Hole Diameter Material		Finish Area III, Press-Fit	Part Number	Mating Receptacle	
Width x Thickness	Α	В	C	- (mm)		Area	Area		Contact
									x-1703930-x
0.5 x 0.4	13.70	8.90	12.25	0.6	CuSn6	Sn	Sn	2282347-1	x-2177908-x
									x-2177909-x
				-					x-1703930-x
0.5 x 0.4	12.80	12.80 8.00 11.	11.35	0.6	CuSn6	Sn	Sn	2282347-2*	x-2177908-x
									x-2177909-x

^{*} on request



INTRODUCTION

The NanoMQS Top Latch (TL) and Side Latch (SL) series features a high possible connector robustness, a multitude of possibilities in mechanical integration and manufacturability. Available in 2 to 32 connections and the ease of combination of several modules support a wide range coverage of applications. Smooth extraction and insertion along with convenient handling show that the miniaturization of connector systems does not necessarily signify loss of convenience.

The development of the system was targeted to meet the same requirements as non-miniaturized ones: Current carrying capability at high ambient temperatures, reliable operation, robust protection against incorrect insertion and acoustic feedback on insertion. The ability to integrate multipin connectors in all types of enclosures as well as the possibility of orientating the connectors perpendicular and parallel to the circuit board make the TL and SL series a real all-rounder.

By selecting high quality housing materials – of course resistant to high temperatures and suitable for reflow processes – and due to a ultra robust housing design, the connector system can stand critical loads and installation.

The Connector housing with its multifunction surfaces on the multipin is made for reliable and precise soldering processes using grippers or suction cups, effortlessly being integrated into fully automatic processes. The female connector housings have been developed to meet both manual contact loading as well as fully automated block loading, and does therefore as well support the different customer preferences.

The Side Latch interface has been selected by the German OEM group AK as a standard interface of 0.5mm Miniaturization.

Product Features

- Miniaturized terminal system for high density connectors
- Signal terminal max. 3 Amps
- Pin dimensions 0.5mm x 0.4mm
- Nominal pitch 1.5mm
- Wire size range max. 0.13 0.35mm²
- Integrated into the MQS terminal family series
- Single piece locking lance terminal
- Primary and secondary locking capability
- Designed for automotive applications

Printed Circuit Board Headers - Right Angle - 8 Positions



Technical Features

No. of Positions:

8 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

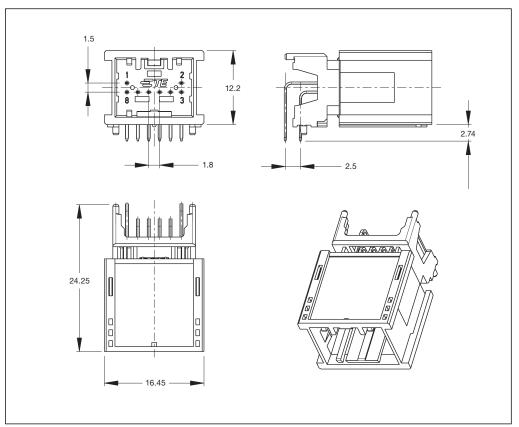
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers - Right Angle - 8 Positions

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

^{*} on request

Mating Receptacle Housing see page 14



Printed Circuit Board Headers – Right Angle – 12 Positions



Technical Features

No. of Positions:

12 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

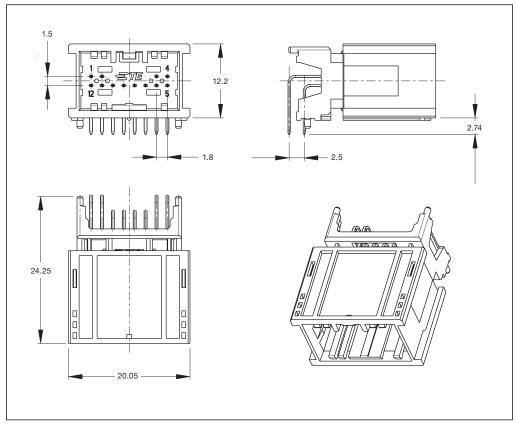
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers – Right Angle – 12 Positions

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

^{*}on request

Mating Receptacle Housing see page 15



Printed Circuit Board Headers - Right Angle - 20 Positions



Technical Features

No. of Positions:

20 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

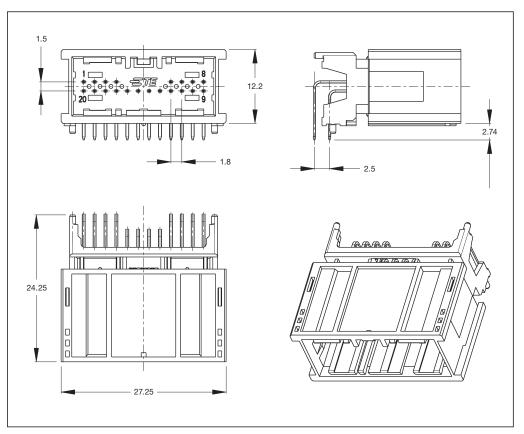
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers – Right Angle – 20 Positions

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

^{*} on request

Mating Receptacle Housing see page 16



Printed Circuit Board Headers - Right Angle - 32 Positions



Technical Features

No. of Positions:

32 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

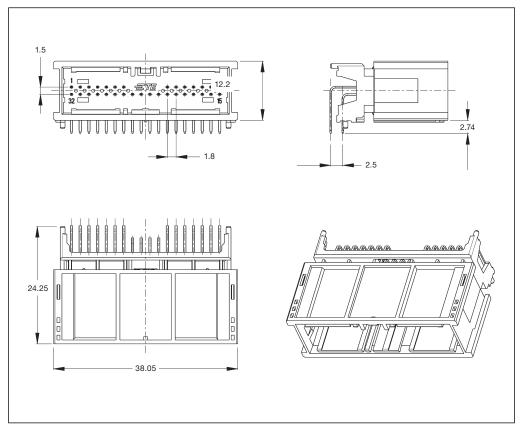
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers - Right Angle - 32 Positions

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

^{*}on request

Mating Receptacle Housing see page 15



Printed Circuit Board Headers – Vertical – 8 Positions



Technical Features

No. of Positions:

8 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

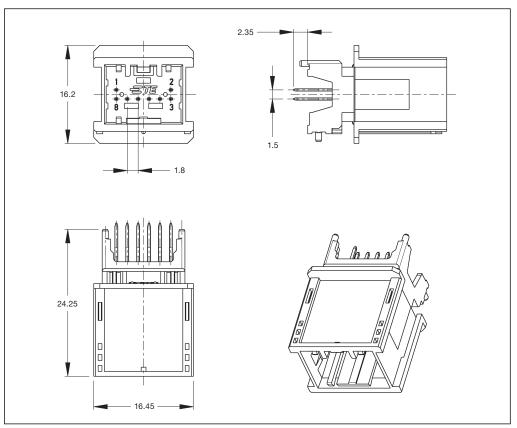
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers – Vertical – 8 Positions

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

^{*} on request

Mating Receptacle Housing see page 14



Printed Circuit Board Headers – Vertical – 12 Positions



Technical Features

No. of Positions:

12 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

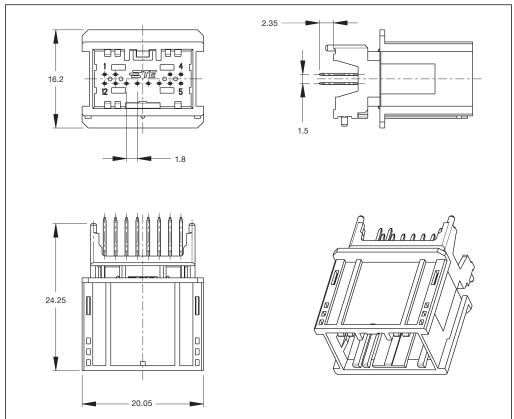
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers – Vertical – 12 Positions

Vovina	Housing			Part Numb	ers	
Keying Options	Housing Color	PCB Header Vertical	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A	,	0-2177767-3				2177587-1
Coding B	Dlask	1-2177767-3	- NI/A	NI/A	N/A	2177587-2
Coding C	- Black	2-2177767-3*	- N/A	N/A	N/A	2177587-3*
Coding D		3-2177767-3*	_			2177587-4*

^{*}on request

Mating Receptacle Housing see page 15



Printed Circuit Board Headers – Vertical – 20 Positions



Technical Features

 $\label{eq:No. of Positions:} \textbf{No. of Positions:}$

20 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

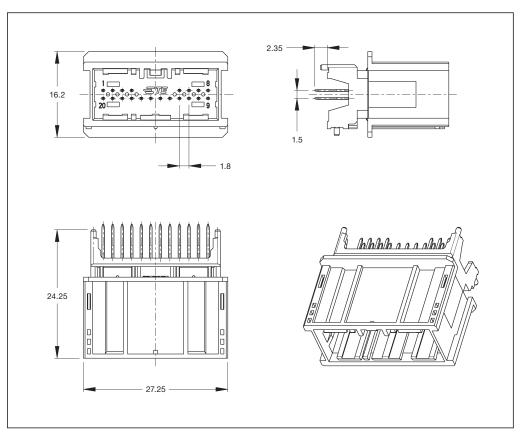
CuMg01, Sn over Ni

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers – Vertical – 20 Positions

Voving	Housing			Part Numb	ers	
Keying Options	Housing Color	PCB Header Vertical	Cover	Lever	Retainer Housings	Mating Receptacle Housing
Coding A		0-2177766-3				2177588-1
Coding B	Black	1-2177766-3	- NI/A	N/A	NI/A	2177588-2
Coding C	ыаск	2-2177766-3*	– N/A	N/A	N/A -	2177588-3*
Coding D		3-2177766-3*				2177588-4*

^{*} on request

Mating Receptacle Housing see page 16



Printed Circuit Board Headers - Vertical - 32 Positions



Technical Features

No. of Positions:

32 Positions

Housing Material:

LCP-GF30 / LCP-GF35

Material and Finish:

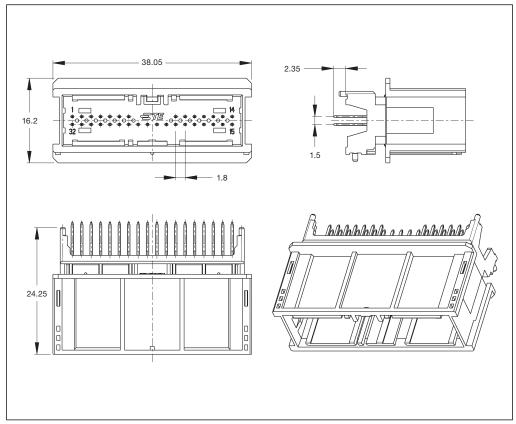
CuMg01, Sn over NiMating

Product Specification:

108-94313

Application Specification:

114-94160



Printed Circuit Board Headers – Vertical – 32 Positions

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

^{*}on request

Mating Receptacle Housing see page 17



NanoMQS Interconnectors NanoMQS Top Latch Unsealed

Receptacle Housings – 8 Positions



Technical Features

No. of Positions:

8 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{mm}^2$

Product Specification:

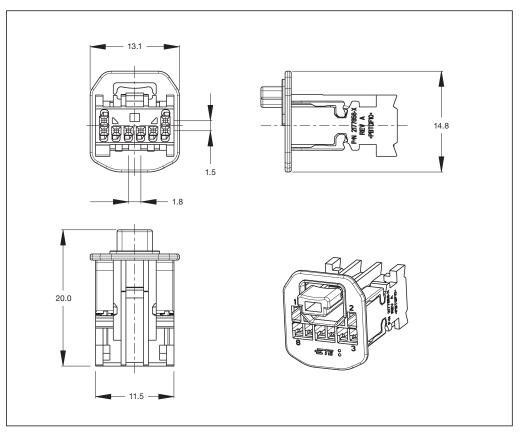
108-20315

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 8 Positions

. .						Part Number	'S		
	Keying Housing Options Color		Cover	Locking	Cover	Mating	Mating PC	Mating PCB Headers	
Оршоно	00101	Housing		Device	and Lever	Tab Housing	Right Angle	Vertical	- Contacts
Coding A		2177586-1				0-2177372-3	0-2177372-3	0-2177768-3	
Coding B	– – Black	2177586-2	- N/A	N/A N/A	NI/A	N/A	1-2177372-3	1-2177768-3	- - x-1703930-x
Coding C	DIACK	2177586-3*	IN/A		N/A	2-2177372-3*	2-2177768-3*	X-1703930-X	
Coding D	_	2177586-4*	-			_	3-2177372-3*	3-2177768-3*	_

^{*} on request

Mating Header Connector
Right Angle see page 6



Mating Header Connector Vertical see page 10



Receptacle Housings – 12 Positions



Technical Features

No. of Positions:

12 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{mm}^2$

Product Specification:

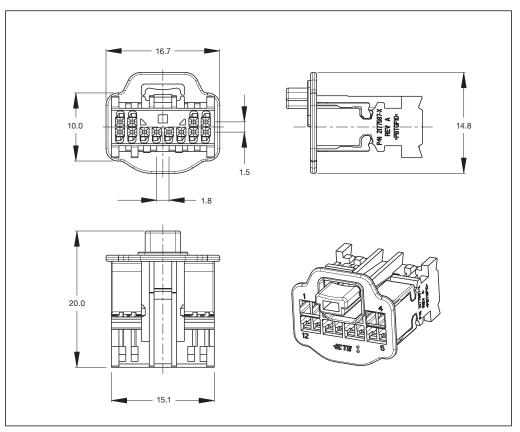
108-20315

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings - 12 Positions

						Part Number	S		
Keying Ontions	Options Color Ro		Cover	Locking	ocking Cover Mating Mating PCB Headers		- Contacts		
Options	00101	Housing	COVE	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
Coding A		2177587-1		A1/A			0-2177370-3	0-2177767-3	
Coding B	Dlask	2177587-2	- NI/A		NI/A	NI/A	1-2177370-3	1-2177767-3	- v 1700000 v
Coding C	- Black	2177587-3*	- N/A	N/A	N/A N/A	2-2177767-3*	- x-1703930-x		
Coding D		2177587-4*	-			_	3-2177370-3*	3-2177767-3*	-

^{*} on request

Mating Header Connector
Right Angle see page 7



Mating Header Connector
Vertical see page 11



NanoMQS Interconnectors NanoMQS Top Latch Unsealed

Receptacle Housings - 20 Positions



Technical Features

No. of Positions:

20 Positions

Housing Material:

PBT Glas fibre reinforced

Material and Finish:

CuMg01, Sn over NiMating

Product Specification:

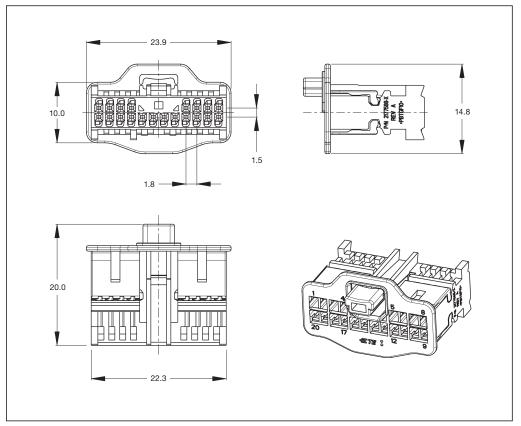
108-20315

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 20 Positions

						Part Number	S		
Keying Ontions	Options Color Receptac		Cover	Locking	Cover	Mating	Mating PC	Mating PCB Headers	
Options	00101	Housing Cover Device		Device	and Lever	Tab Housing	Right Angle	Vertical	- Contacts
Coding A		2177588-1		N/A N/A N/A = 1-2			0-2177367-3	0-2177367-3	
Coding B	- Black	2177588-2	- N/A		NI/A	NI/A	1-2177367-3	1-2177766-3	- x-1703930-x
Coding C	DIACK	2177588-3*	IN/A		2-2177367-3*	2-2177766-3*	- X-1703930-X		
Coding D	= .	2177588-4*				3	3-2177367-3*	3-2177766-3*	_

^{*} on request

Mating Header Connector
Right Angle see page 8



Mating Header Connector
Vertical see page 12



Receptacle Housings - 32 Positions



Technical Features

No. of Positions:

32 Positions

Housing Material:

PBT GF

Wire Size Range:

 $0.13 - 0.35 \text{mm}^2$

Product Specification:

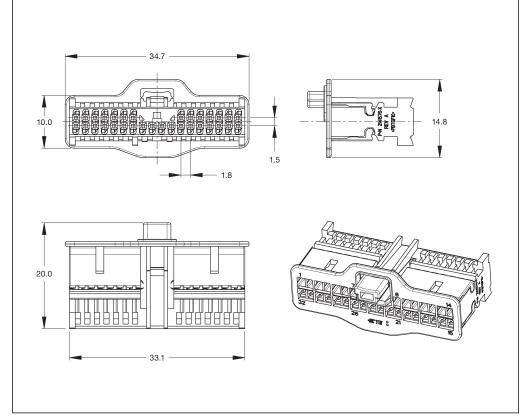
108-20315

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings - 12 Positions

						Part Number	'S		
Keying Ontions	Keying Housing — Options Color		Cover	Locking	Cover	Mating	Mating PCB Headers		- Contacts
Options	00101	Housing	COVE	Device	and Lever Tab Housir	Tab Housing	Right Angle	Vertical	Contacts
Coding A		2141576-1					0-2177419-3	0-2177748-3	
Coding B	· Black ·	2141576-2	- N/A	N/A	N/A	N/A -	1-2177419-3	1-2177419-3 1-2177748-3	v 1700000 v
Coding C	DIACK	2141576-3	- IV/A	IN/A	N/A	IN/A	2-2177419-3	2-2177748-3	- x-1703930-x
Coding D	•	2141576-4*					3-2177419-3*	3-2177748-3*	-

^{*} on request

Mating Header Connector
Right Angle see page 9



Mating Header Connector Vertical see page 13



Printed Circuit Board Header – 2 Row Design – 6 Positions



Technical Features

No. of Positions:

6 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

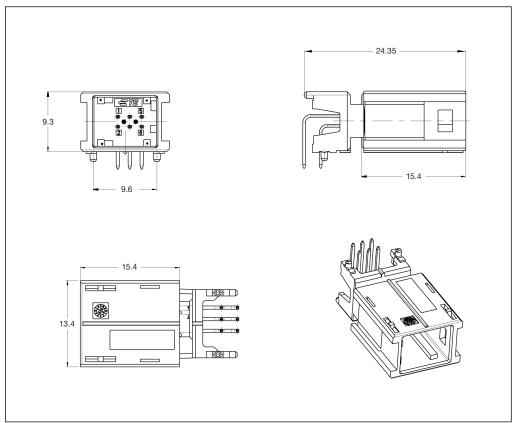
CuMg01, Sn over Ni

Product Specification:

108-94359

Application Specification:

114-94160



Printed Circuit Board Header – 2 Row Design – 6 Positions

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

^{*} on request

Mating Receptacle Housing see page 20



Printed Circuit Board Header – 2 Row Design – 20 Positions



Technical Features

No. of Positions:

20 Positions

Housing Material:

LCP, Glas fibre reinforced

Material and Finish:

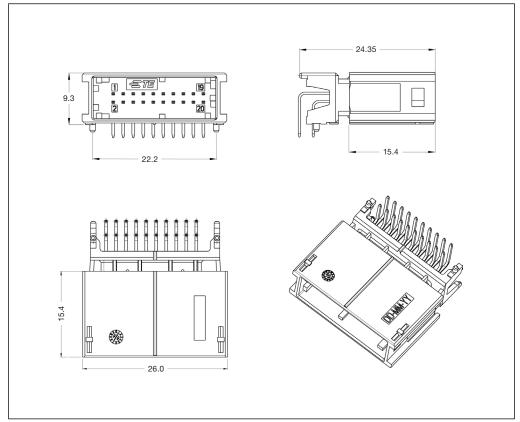
CuMg01, Sn over Ni

Product Specification:

108-94347

Application Specification:

114-94160



Printed Circuit Board Header – 2 Row Design – 20 Positions

Vouing	Housing		Part Number		ers	
Keying Options	Housing Color	PCB Header Right Angle	Cover	Lever	Retainer Housing	Mating Receptacle Housings
Coding A		2208165-1				2141404-1
Coding B	- Black	2208165-2	– N/A	N/A	N/A	2141404-2
Coding C	DIACK	2208165-3*	- IN/A	N/A	N/A	2141404-3*
Coding D	<u> </u>	2208165-4*	•			2141404-4*

^{*}on request

Mating Receptacle Housing see page 23



Receptacle Housings – 2 Row Design – 6 Positions



Technical Features

No. of Positions:

6 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

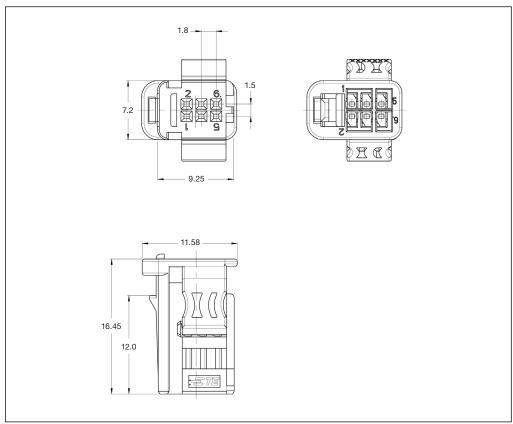
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1

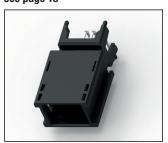


Receptacle Housings – 2 Row Design – 6 Positions

						Part Numbe	rs		
Keying Options	tions Color Receptacle		Cover	Locking	Cover	Mating	Mating PCB	Headers	- Contacts
Орнона	00101	Housing	Cover	Device	evice and Lever Ta		Right Angle	Vertical	Contacts
Coding A		2208338-1		N/A N/A			2208636-1		
Coding B	– Black	2208338-2	NI/A		NI/A	NI/A	2208636-2*	TBD	x-1703930-x
Coding C	DIACK	2208338-3*	IV/A	N/A N/A N/A		N/A	2208636-3*	עסו	X-1703930-X
Coding D		2208338-4*	-			2208636-4*			

^{*} on request

Mating Header see page 18



Receptacle Housings – 2 Row Design – 10 Positions



Technical Features

No. of Positions:

10 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

0.13 - 0.35 mm²

Product Specification:

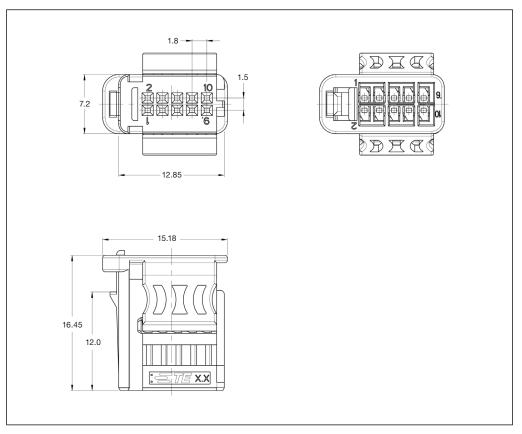
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 2 Row Design – 10 Positions

., .			Part Numbers								
Keying Options	Housing Receptac		Cover	Locking	Cover	Mating	Mating PCE	3 Headers	- Contacts		
Options	00101	Housing	Device and	and Lever	Tab Housing	Right Angle	Vertical	Contacts			
Coding A		2208339-1									
Coding B	Black	2208339-2	NI/A	N/A	N/A	N/A	TBD	TBD	x-1703930-x		
Coding C	DIACK	2208339-3*	N/A	IN/A	IV/A	IV/A			X-1703930-X		
Coding D		2208339-4*									

^{*} on request

Receptacle Housings – 2 Row Design – 14 Positions



Technical Features

No. of Positions:

14 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

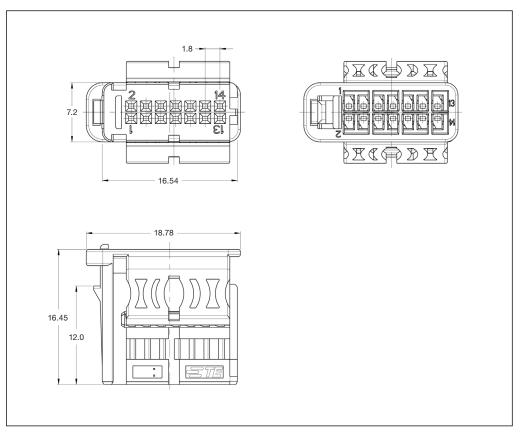
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 2 Row Design – 14 Positions

		Part Numbers								
Keying Ontions	Keying Housing Options Color		Cover	Locking		Mating	Mating PC	B Headers	- Contacts	
ориона	00101	Housing	Device and Leve		and Lever	Tab Housing	Right Angle	Vertical	Contacts	
Coding A		2208340-1	– N/A N/A		N/A N/A		N/A TBD			
Coding B	Plack	2208340-2		NI/A		NI/A		TBD	x-1703930-x	
Coding C	DIACK	2208340-3* 2208340-4*		IN/A	IN/A	WA IDD IDD	טסו	X-1703930-X		
Coding D	_		="							

^{*}on request

Receptacle Housings – 2 Row Design – 20 Positions



Technical Features

No. of Positions:

20 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

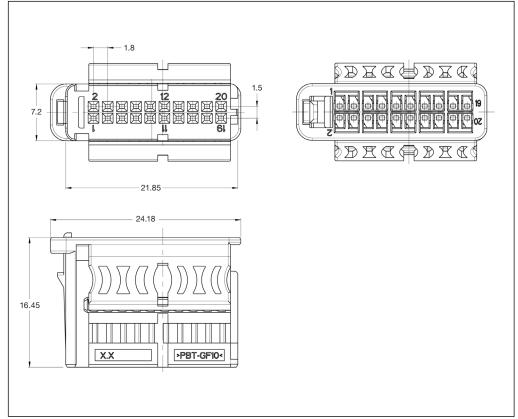
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 2 Row Design – 20 Positions

Keying Options	Housing Color	Part Numbers							
		Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		- Contacts
орионо	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
Coding A		2141404-1	- - N/A -	N/A	N/A	N/A -	2208165-1	TBD	x-1703930-x
Coding B	- Black -	2141404-2					2208165-2		
Coding C		2141404-3*					2208165-3*		
Coding D		2141404-4*					2208165-4*		

^{*} on request

Mating Header see page 19



Receptacle Housings - 1 Row Design - 2 Positions



Technical Features

No. of Positions:

2 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

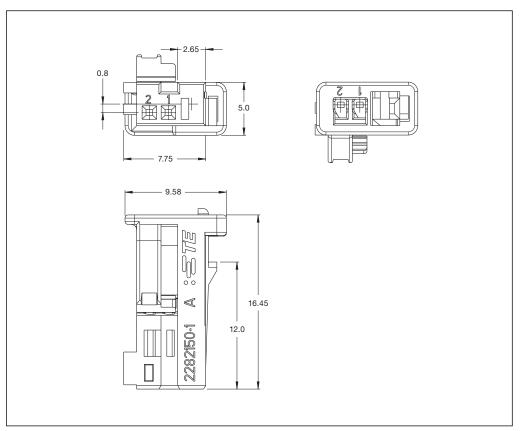
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 2 Positions

Keying Options	Housing Color	Part Numbers							
		Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		- Contacts
Options	00101	Housing	Cover	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
Coding A		2282150-1	– – N/A –	N/A	N/A	TBD	TBD	TBD	x-1703930-x
Coding B	– Black –	2282150-2							
Coding C		2282150-3*							
Coding D		2282150-4*							

^{*} on request

Receptacle Housings - 1 Row Design - 3 Positions



Technical Features

No. of Positions:

3 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

0.13 - 0.35 mm²

Product Specification:

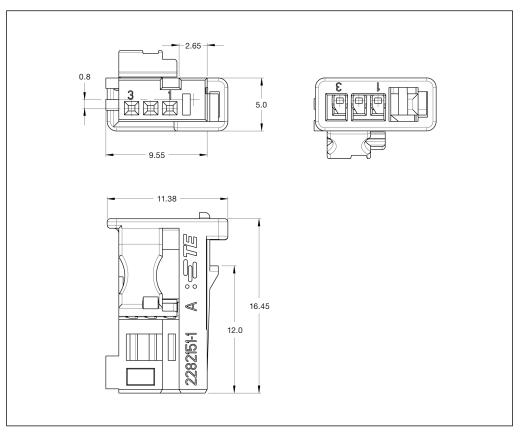
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 3 Positions

и.									
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		Contacts
Options	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
Coding A		2282151-1							
Coding B	– Black	2282151-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x
Coding C	_ DIAUK	2282151-3*		IN/A		IDU	עסו		
Coding D		2282151-4*	=						

^{*} on request

Receptacle Housings – 1 Row Design – 4 Positions



Technical Features

No. of Positions:

4 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

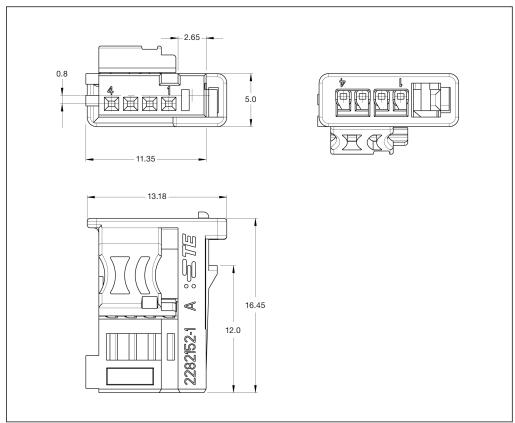
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 4 Positions

	Housing								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		- Contacts
Ориона	00101	Housing	Cover	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
Coding A		2282152-1							
Coding B	- Black	2282152-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x
Coding C	DIACK	2282152-3*				ושו	עפו		
Coding D		2282152-4*	=						

^{*}on request

Receptacle Housings - 1 Row Design - 5 Positions



Technical Features

No. of Positions:

5 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

0.13 - 0.35 mm²

Product Specification:

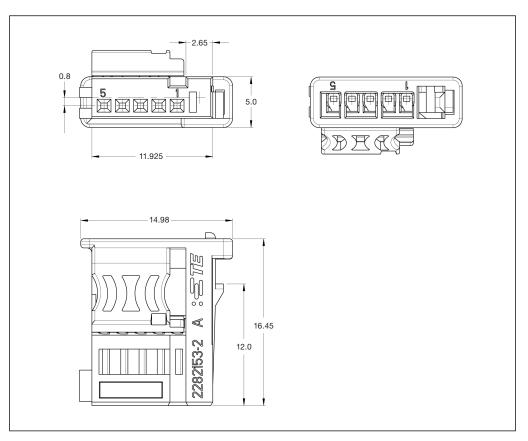
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 5 Positions

			Part Numbers								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating _	Mating PCB Headers		Contacts		
орионо	00101	Housing	COVE	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts		
Coding A		2282153-1									
Coding B	- Black	2282153-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x		
Coding C	- DIAUK	2282153-3*	IN/A	IN/A		טפו	עסו				
Coding D		2282153-4*	-								

^{*} on request

Receptacle Housings – 1 Row Design – 6 Positions



Technical Features

No. of Positions:

6 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

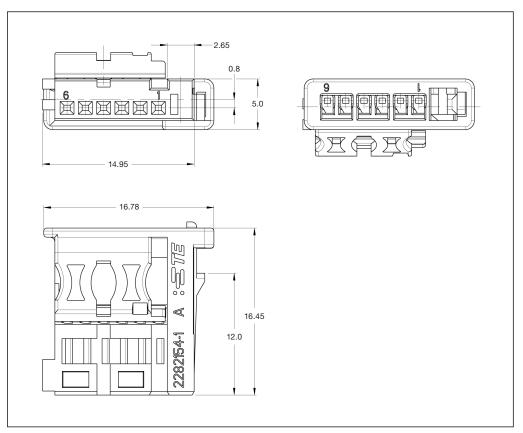
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 6 Positions

	Housing								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		– Cover
Options	00101	Housing	Cover	Device	and Lever	Tab Housing	Right Angle	Vertical	Gover
Coding A		2282154-1							
Coding B	– – Black	2282154-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x
Coding C	DIACK	2282154-3*				ושו	עפו		
Coding D	_	2282154-4*	=						

^{*} on request

NanoMQS Interconnectors NanoMQS Side Latch Unsealed

Receptacle Housings – 1 Row Design – 7 Positions



Technical Features

No. of Positions:

7 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

0.13 - 0.35 mm²

Product Specification:

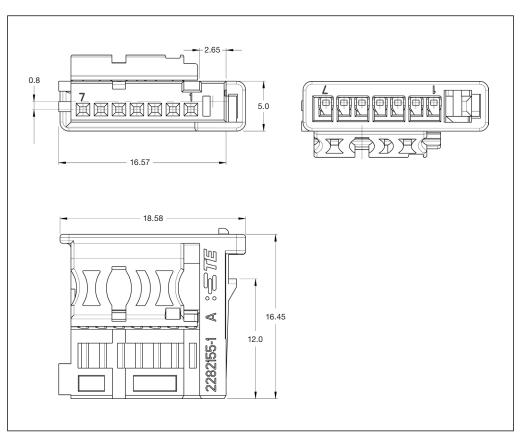
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 7 Positions

			Part Numbers								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating _	Mating PCB Headers		- Contacts		
орионо	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts		
Coding A		2282155-1									
Coding B	- Black	2282155-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x		
Coding C	- DIAUK	2282155-3*	IN/A	IN/A		טפו	עסו				
Coding D		2282155-4*	-								

^{*} on request

Receptacle Housings – 1 Row Design – 8 Positions



Technical Features

No. of Positions:

8 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

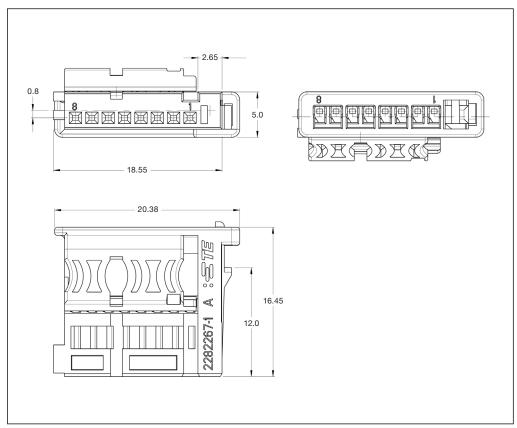
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 8 Positions

			Part Numbers								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		- Contacts		
ориона	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts		
Coding A		2282267-1									
Coding B	– – Black	2282267-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x		
Coding C	DIACK	2282267-3*				ושו	עסו				
Coding D	_	2282267-4*	_								

^{*}on request

Receptacle Housings - 1 Row Design - 9 Positions



Technical Features

No. of Positions:

9 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

0.13 - 0.35 mm²

Product Specification:

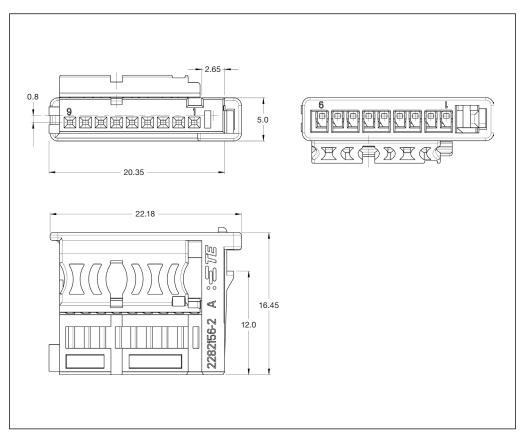
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 9 Positions

и :			Part Numbers								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating _	Mating PCB Headers		Contacts		
Орнопо	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts		
Coding A		2282156-1									
Coding B	- Black	2282156-2	- N/A	NI/A	N/A	TBD	TBD	TBD	x-1703930-x		
Coding C	DIACK	2282156-3*	IN/A	N/A		טפו	עסו				
Coding D	-	2282156-4*	-								

^{*} on request

Receptacle Housings – 1 Row Design – 10 Positions



Technical Features

No. of Positions:

10 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.13 - 0.35 \text{ mm}^2$

Product Specification:

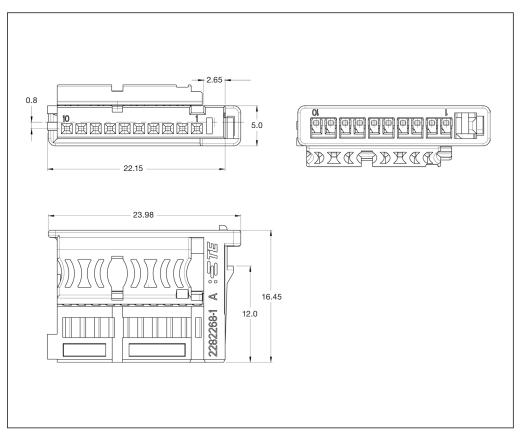
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 10 Positions

			Part Numbers								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating	Mating PCB Headers		Contacts		
Орионо	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts		
Coding A		2282268-1									
Coding B	- Black	2282268-2	— N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x		
Coding C	- DIACK	2282268-3*	IN/A	IN/A	IN/A	ושו	עסו				
Coding D		2282268-4*	_								

^{*}on request

Receptacle Housings – 1 Row Design – 11 Positions



Technical Features

No. of Positions:

11 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

0.13 - 0.35 mm²

Product Specification:

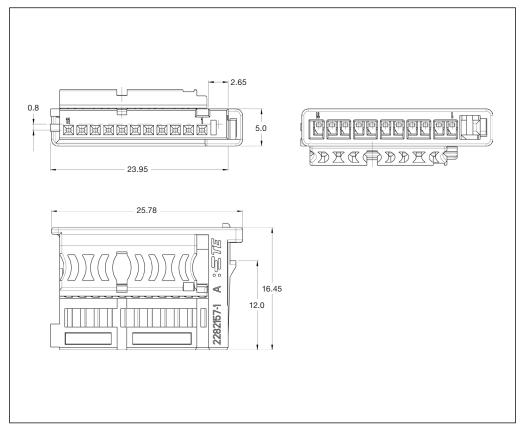
108-94288

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 1 Row Design – 11 Positions

			Part Numbers								
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating _	Mating PCB Headers		Contacts		
ориона	00101	Housing	COVEI	Device		Tab Housing	Right Angle	Vertical	Contacts		
Coding A		2282157-1									
Coding B	– Black	2282157-2	– N/A	N/A	N/A	TBD	TBD	TBD	x-1703930-x		
Coding C	DIACK	2282157-3*				חפו	עסו				
Coding D		2282157-4*	=								

^{*} on request

NanoMQS Interconnectors NanoMQS Sealed Housings

Receptacle Housings – 2 Positions



Technical Features

No. of Positions:

2 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.22 - 0.35 \text{mm}^2$

Product Specification:

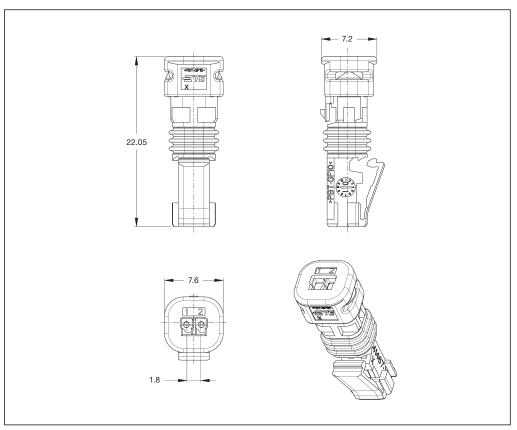
108-94320

Application Specification:

114-94174

Extraction Tool

1355968-1



Receptacle Housings – 2 Positions

и.						Part Numbers			
Keying Options	Housing Color	Receptacle	Cover	Locking	Cover	Mating	Mating PC	3 Headers	- Contacts
орионо	00101	Housing	COVEI	Device	and Lever	Tab Housing	Right Angle	Vertical	Guinacis
Coding A		2141467-1							
Coding B	Black	2141467-2	N/A	N/A	N/A	114-94000-14*)	\leftarrow	\leftarrow	x-1703930-x
Coding C	_	2141467-3							

^{*)} Interface Drawing Number

NanoMQS Interconnectors NanoMQS Sealed Housings

Receptacle Housings – 4 Positions



Technical Features

No. of Positions:

4 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.22 - 0.35 \text{mm}^2$

Product Specification:

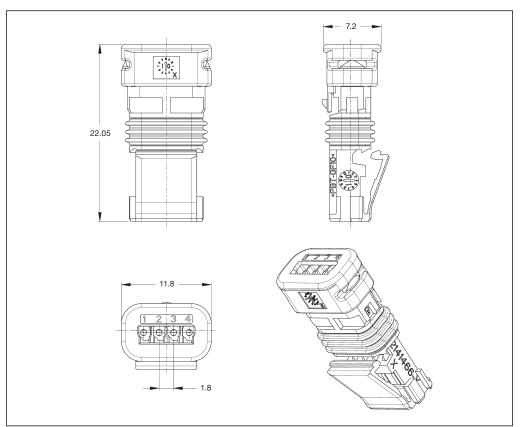
108-94320

Application Specification:

114-94174

Extraction Tool

1355968-1



Receptacle Housings - 4 Positions

						Part Numbers			
Keying Housing Options Color		Receptacle		Cover Locking Cover		Mating	Mating PCE	- Contacts	
Options		Housing	COVE	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
Coding A	Black	2141466-1	N/A	N/A	N/A	114-94000-14 *)	\leftarrow	\leftarrow	x-1703930-x

^{*)} Interface Drawing Number

Receptacle Housings – 2-6 Positions



Technical Features

No. of Positions:

2-6 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.22 - 0.35 \text{mm}^2$

Product Specification:

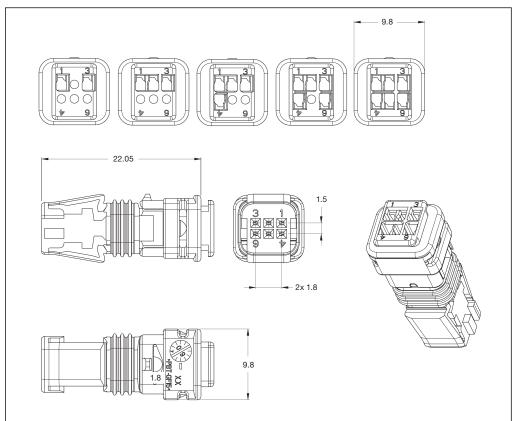
108-94288-4

Application Specification:

114-94033

Extraction Tool

1355968-1



Receptacle Housings – 2-6 Positions

							Part Numbers			
No. of	Keying	Housing	Receptacle		Locking	Cover	Mating	Mating Po	CB Headers	
Positions	Options	Color	Housing	Cover	Device	and Lever	Tab Housing	Right Angle	Vertical	Contacts
6	Coding A	Black	0-2112594-1	- N/A	N/A	N/A	114-94000-18 *)			
0	Coding B	Grey	0-2112594-2	- IN/A	IV/A	IV/A	114-94000-10	\leftarrow	\leftarrow	_
5	Coding A	Black	5-2112594-1	- N/A	N/A	N/A	114-94000-18 *)			_
J	Coding B	Grey	5-2112594-2	- IV/A	IN/A	IV/A	114-94000-10	\leftarrow	\leftarrow	_
4	Coding A	Black	4-2112594-1	- N/A	N/A	N/A	114-94000-18 *)			 x-1703930-x
4	Coding B	Grey	4-2112594-2	- IN/A	IN/A	IV/A	114-94000-10	\leftarrow	\leftarrow	X-1703930-X
3	Coding A	Black	3-2112594-1	NI/A	N/A	N/A	114-94000-18 *)			_
3	Coding B	Grey	3-2112594-2	- N/A	N/A	N/A	114-94000-18	\leftarrow	\leftarrow	
0	Coding A	Black	2-2112594-1	NI/A	NI/A	NI/A	114 04000 10*)	_		_
2	Coding B	Grey	2-2112594-2	- N/A	N/A	N/A	114-94000-18 *)	\leftarrow	\leftarrow	

^{*)} Interface Drawing Number

NanoMQS Interconnectors NanoMQS Sealed Housings

Receptacle Housings – 6 Positions



Technical Features

No. of Positions:

6 Positions

Housing Material:

PBT Glas fibre reinforced

Wire Size Range:

 $0.22 - 0.35 \text{mm}^2$

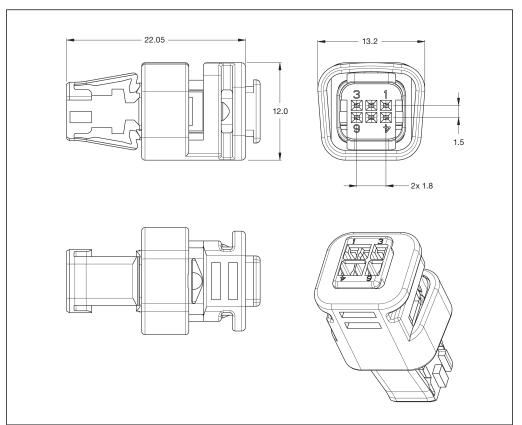
Product Specification: 108-94288-4

Application Specification:

114-94033

Extraction Tool

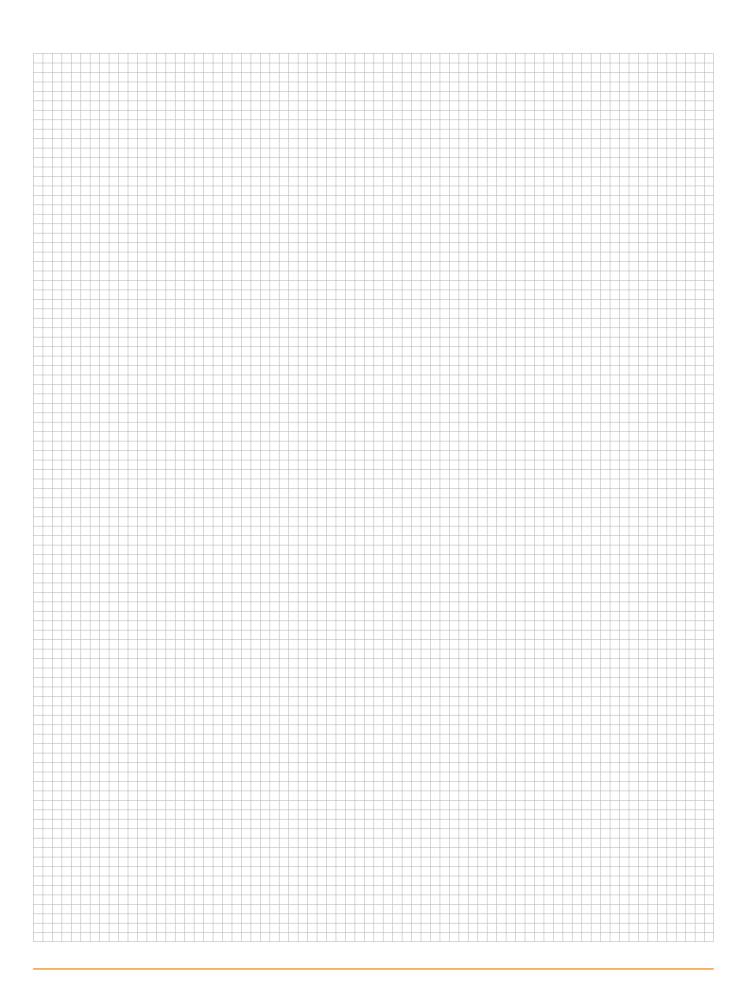
1355968-1



Receptacle Housings - 6 Positions

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

^{*)} Interface Drawing Number



NanoMQS Interconnectors Application Tooling



TE Application Tooling is dedicated to providing high quality equipment options to meet all levels of our connector products specifications. We are also able to provide a broad range of equipment for other manufacturer's products.

Our equipment range is vast and almost unmatched by others operating in the same industry segments, as is our global presence and support network in the form of field service engineers and product managers.

We supply everything from simple hand tools to the most complex automated systems.

Termination of small wires via crimping requires appropriate tools to ensure 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.

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.

Equipment is segregated into two types and managed accordingly:

Generic equipment

Where we can supply you with sufficient information referenced by Part Number such that you can identify and order what you need yourself.

Specialized Equipment

Where you will need help from our specialist product managers to identify what's just right for your Application.

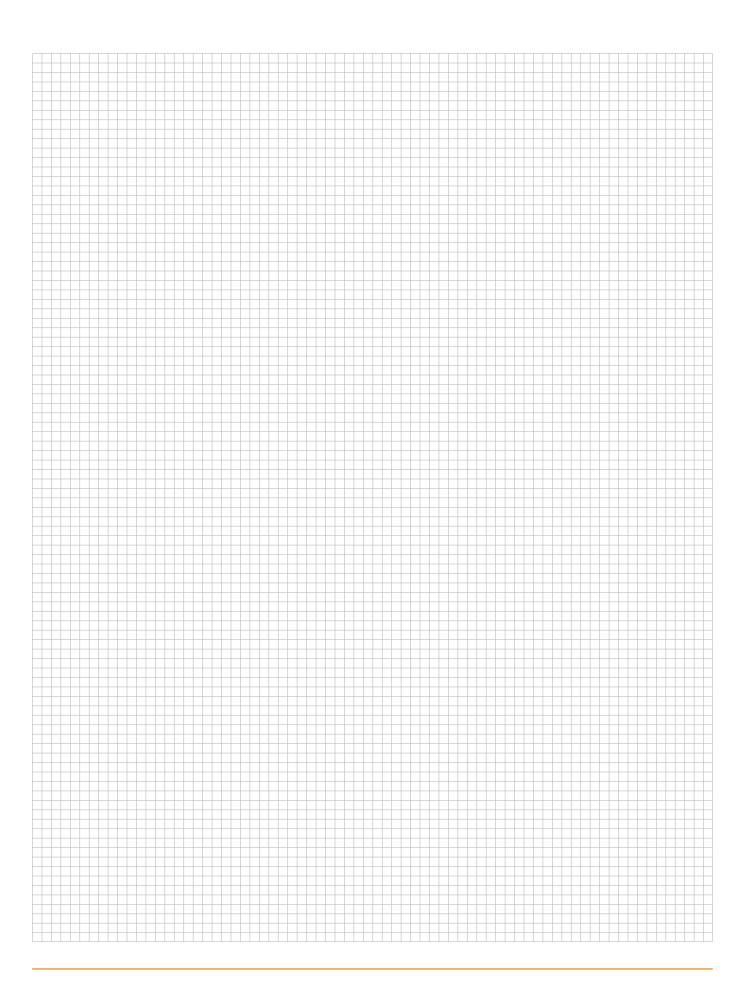
Finding Equipment Online

www.tooling.te.com

- Powerful searches to find generic equipment options (Hand Tools / Applicators)
- Brochures and more detailed flyers for the specialized equipment.
- It's quick, easy and more importantly the latest and most up to date information is available online.

Regional Assistance

www.te.com/support-center



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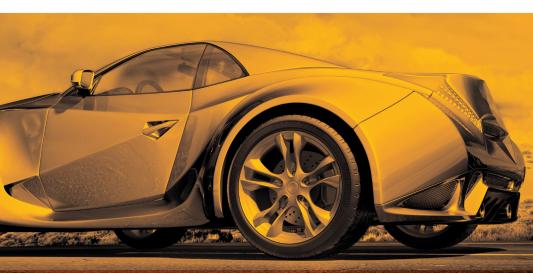
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