T4070014041-001 ACTIVE



M8 Connector

TE Internal #: T4070014041-001

4 Position Circular Connector, Wire-to-Panel, Sealable, Wire &

Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy,

A Code, M8 Connector

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Connectors > Circular Connectors > Standard Circular Connectors > M8 Panel Mount Wire











Number of Positions: 4

Connector System: Wire-to-Panel

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 3A

All M8 Panel Mount Wire (8)

Features

Product Type Features

Troduct Type realures	
Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	Yes
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Metal
Configuration Features	
Keying & Polarized Position Locations	A

No

Factory Installed Backshell



Number of Prover Positions 0 Number of Signal Positions 4 Contacts Proloaded Yes Electrical Characteristics Vertical Proloaded Operating Voltage 30 VAC Body Features Vertical Characteristics O'Ring Material Sill-cone Environmental Protection IP67 Environmental Protection Type Sealed Primary Product Color Black Peripheral Soal Material Sill-cone Shell Plating Material Nickel Shell Rase Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermotically Soaled Yes Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment With Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Reved Housing Features Circular Connector Shell Size 12,6 </th <th></th> <th></th>		
Number of Signal Positions Contacts Proloaded Yes Electrical Characteristics Operating Voltage 30 VAC Body Features O-Ring Material Environmental Protection IP67 Environmental Protection Type Scaled Primary Product Color Elsack Peripheral Seal Material Silicone Shell Plating Material Shell Plating Material Nickel Shell Base Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Ciarrent Rating (Max) 3 A Reverse Gender Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Tirreaded Coupling Mating Alignment Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Housing Features Circular Connector Shell Size Tireaded Coupling Mating Alignment Type Panel Mount Polarization Code A Mating Alignment Type Housing Features Circular Connector Shell Size 12.6 Dimensions Panel I hickness (Recommended) 2.5 4.5 mm[.078177 in] Pigtail Length Polarization Code Polarization Code Panel I hickness (Recommended) Panel I hickness (Recommended) Panel I hickness (Recommended) Pigtail Length Polarization Code Panel I hickness (Recommended) Panel I hickness (Recommended) Panel I hickness (Recommended) Pigtail Length Panel Length	Number of Positions	4
Electrical Characteristics Operating Voltage 30 VAC Body Features O-Ring Material Silicone Environmental Protection IP67 Environmental Protection Type Scaled Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Plating Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 CIF30 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm.[.098 – .177 in] Prigtail Length 200 mm. 200 mm. 2.57 in [.200 mm.] 2	Number of Power Positions	0
Electrical Characteristics Operating Voltage 30 VAC Body Features O Ring Material Silicone Environmental Protection I IP67 Invironmental Protection I Iype Sealed Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Plating Material Nickel Shell Black Polyamide 67 GF30 Itermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Inreaded Coupling Mating Alignment With Connector Mounting Type Panel Mourt Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mml.098 – .177 in Pigtall Length 200 mm7, 87 in	Number of Signal Positions	4
Operating Voltage Body Features O-Ring Material Silicone Environmental Protection IP67 Environmental Protection Type Scaled Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Plating Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 G130 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3.A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm (.098 – .177 in) Prigtail Length 200 mm (7.87 in)	Contacts Preloaded	Yes
Body Features O Ring Material Silicone Environmental Protection IP67 Environmental Protection Type Scaled Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Plating Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm/.098 – .177 in] Pigtail Length 200 mm/7.87 in]	Electrical Characteristics	
O Ring Material Environmental Protection IP67 Environmental Protection Type Sealed Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Shell Plating Material Shell Plating Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Prigtail Length 200 mm[7.87 in]	Operating Voltage	30 VAC
Environmental Protection IP67 Environmental Protection Type Sealed Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Base Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12,6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm],098 – .177 in] Pigtail Length 200 mm[7.87 in]	Body Features	
Environmental Protection Type Primary Product Color Black Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Base Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length 200 mm[7.87 in]	O-Ring Material	Silicone
Primary Product Color Peripheral Seal Material Silicone Shell Plating Material Nickel Shell Base Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length 200 rmm[7.87 in]	Environmental Protection	IP67
Peripheral Seal Material Shell Plating Material Nickel Shell Base Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length 200 mm[7.87 in]	Environmental Protection Type	Sealed
Shell Plating Material Nickel Shell Base Material Copper Alloy Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Primary Product Color	Black
Shell Base Material Circular Connector Insulation Material Type Polyarmide 67 GF30 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length 200 mm[7.87 in]	Peripheral Seal Material	Silicone
Circular Connector Insulation Material Type Polyamide 67 GF30 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Shell Plating Material	Nickel
Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Shell Base Material	Copper Alloy
Contact Current Rating (Max) Contact Current Rating (Max) Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) Pigtail Length 200 mm[7.87 in]	Circular Connector Insulation Material Type	Polyamide 67 GF30
Contact Current Rating (Max) Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length 3 A Yes Yes Yes A Yes Yes A Yes Yes	Hermetically Sealed	Yes
Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Contact Features	
Circular Connector Contact Type Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length Pin Threaded Coupling With Keyed 12.6 2.5 – 4.5 mm[.098 – .177 in]	Contact Current Rating (Max)	3 A
Mechanical Attachment Mating Retention Type Threaded Coupling Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions 12.6 Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Reverse Gender	Yes
Mating Retention Type Mating Alignment With Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length Threaded Coupling With Threaded Coupling Panel Mount 200 mm[7.87 in]	Circular Connector Contact Type	Pin
Mating Alignment Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) Pigtail Length With Panel Mount A Length Expended to the service of the service	Mechanical Attachment	
Connector Mounting Type Panel Mount Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Mating Retention Type	Threaded Coupling
Polarization Code A Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Mating Alignment	With
Mating Alignment Type Keyed Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Connector Mounting Type	Panel Mount
Housing Features Circular Connector Shell Size 12.6 Dimensions Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Polarization Code	A
Circular Connector Shell Size Dimensions Panel Thickness (Recommended) Pigtail Length 12.6 2.5 – 4.5 mm[.098 – .177 in] 200 mm[7.87 in]	Mating Alignment Type	Keyed
DimensionsPanel Thickness (Recommended)2.5 – 4.5 mm[.098 – .177 in]Pigtail Length200 mm[7.87 in]	Housing Features	
Panel Thickness (Recommended) 2.5 – 4.5 mm[.098 – .177 in] Pigtail Length 200 mm[7.87 in]	Circular Connector Shell Size	12.6
Pigtail Length 200 mm[7.87 in]	Dimensions	
	Panel Thickness (Recommended)	2.5 – 4.5 mm[.098 – .177 in]
Wire Size 24 AWG	Pigtail Length	200 mm[7.87 in]
	Wire Size	24 AWG



Usage Conditions

IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Circuit Application	Signal
Shielded	No
Industry Standards	
UL Flammability Rating	UL 94HB
Packaging Features	
Packaging Quantity	1

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (4% in 8753985450) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides

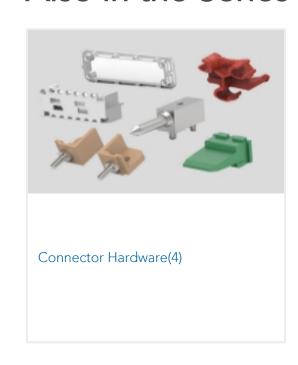


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

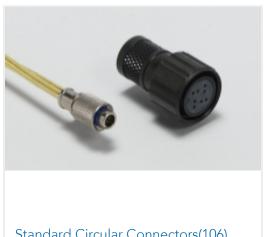


Also in the Series | M8 Connector









Standard Circular Connectors (106)

Customers Also Bought























Documents

Product Drawings

M8.MLE.PNLREAR.4POS.STR WIRE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4070014041-001_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4070014041-001_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4070014041-001_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

M8 / M12 Connector System Catalog

Japanese

Product Specifications

Application Specification

English

Application Specification

English

Agency Approvals

UL

English