



M8 Connector

TE Internal #: T4041017031-000

Wire-to-Panel, 3 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M8 Connector, Standard Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors > M8 Panel Mount PCB



Connector System: **Wire-to-Panel**
Connector Mounting Type: **Panel Mount**
Number of Positions: **3**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

[All M8 Panel Mount PCB \(12\)](#)

Features

Product Type Features

Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal
Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed



Configuration Features

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes
Keying & Polarized Position Locations	A
Factory Installed Backshell	No

Contact Features

Contact Current Rating (Max)	3 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Operation/Application

Circuit Application	Signal
Shielded	No

Body Features

Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 67 GF30
Hermetically Sealed	Yes
O-Ring Material	Silicone
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone

Housing Features

Circular Connector Shell Size	12.6
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
IP Dust Sealing Level	6
IP Water Sealing Level	IP67

Other

EU RoHS Compliance	Compliant with Exemptions
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EU ELV Compliance	Compliant with Exemptions
Electrical Characteristics	
Operating Voltage	60 VAC
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (4% in Component Part) 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

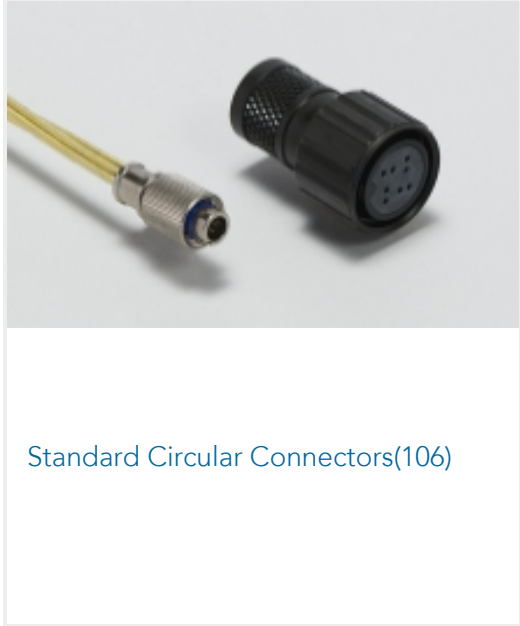
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Customers Also Bought



Documents

Product Drawings

M8.FMLE.PNLREAR.3POS.STR PCB

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_T4041017031-000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4041017031-000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4041017031-000_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Agency Approvals

[UL](#)

English