

M12 Connector

TE Internal #: T4131412051-000

Wire-to-Panel, Circular Connector Receptacle, 5 Position, Shell Size

18, Sealable, Wire & Cable, Signal, Panel Mount & Wire Mount,

M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Solder Cups











Connector System: Wire-to-Panel

Connector Mounting Type: Panel Mount & Wire Mount

Number of Positions: 5

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

All M12 Panel Mount Solder Cups (56)

Features

Product Type Features

Factory Installed Backshell

Number of Positions

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

No

5



Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	60 VDC
Body Features	
O-Ring Material	Silicone
Environmental Protection	IP67
Environmental Protection Type	Elastomer Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes
Contact Features	
Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket
Mechanical Attachment	
Connector Mounting Type	Panel Mount & Wire Mount
Polarization Code	В
Mating Alignment Type	Keyed
Housing Features	
Circular Connector Shell Size	18
Dimensions	
Wire Size	18 – 24 AWG
Usage Conditions	
Usage Conditions IP Water Sealing Level	IP67
	IP67 -40 - 85 °C[-40 - 185 °F]



Circuit Application	Signal
Shielded	No
Industry Standards	
UL Flammability Rating	UL 94HB
Packaging Features	
Packaging Quantity	1
Other	
Field Serviceable	No

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (4% in 74024580) 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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

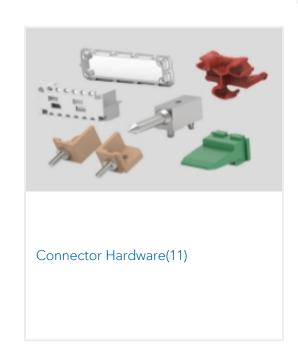
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

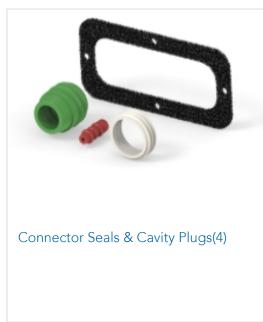


Compatible Parts

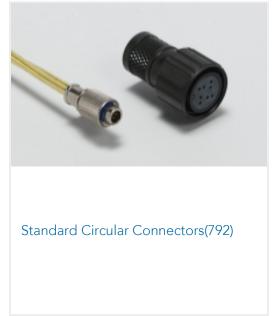


Also in the Series | M12 Connector



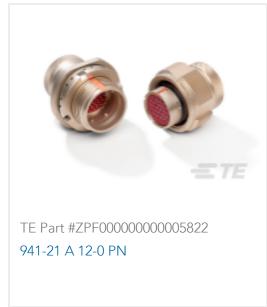


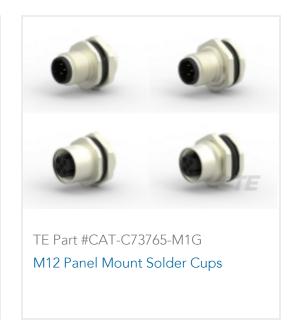




Customers Also Bought





















Documents

Product Drawings

M12,REAR MOUNT,FEMALE,B,5P,SOLDER WIRE

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4131412051-000_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4131412051-000_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4131412051-000_B.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

Japanese

M8 / M12 Connector System Catalog

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English