



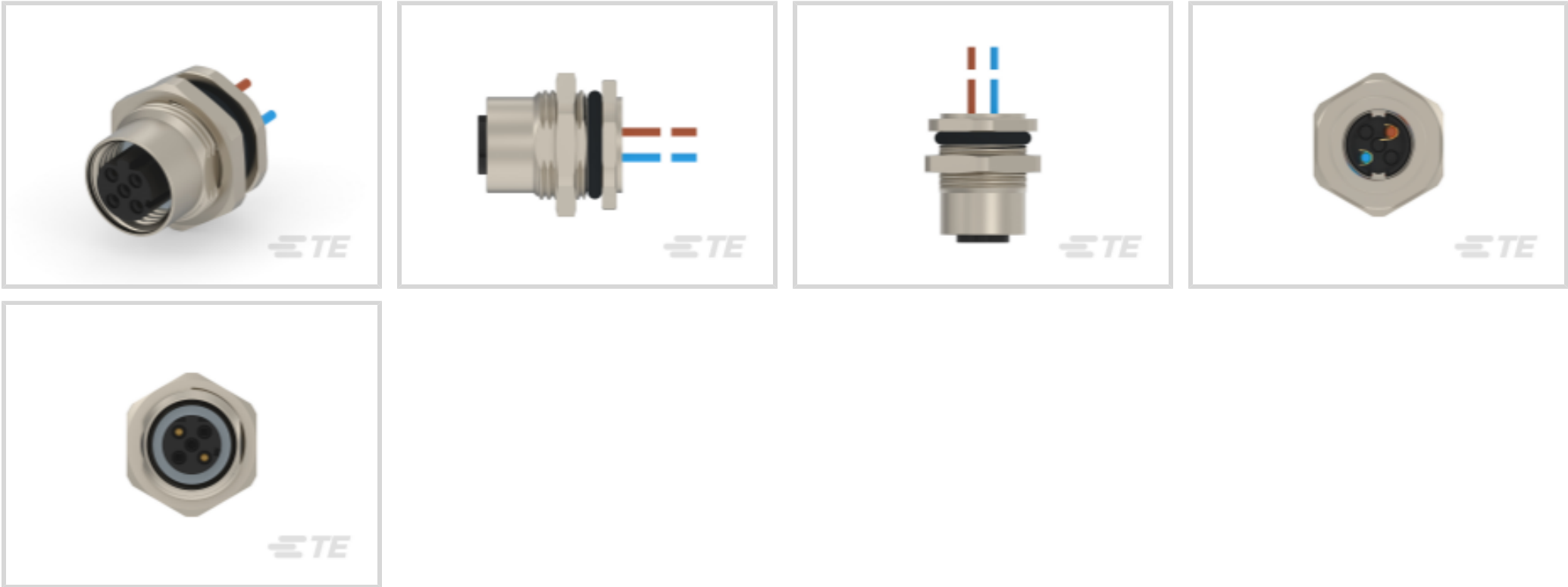
M12 Connector

TE Internal #: T4171110502-001

Standard Circular Connectors, Wire-to-Panel, 2 Position, Sealable, Wire & Cable, Signal, Reverse Gender, Nickel, Brass, M12 Connector

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Wire



Connector System: **Wire-to-Panel**  
Number of Positions: **2**  
Sealable: **Yes**  
Connector & Contact Terminates To: **Wire & Cable**  
Contact Current Rating (Max): **4 A**

[All M12 Panel Mount Wire \(66\)](#)

Features

Product Type Features

|                                   |                      |
|-----------------------------------|----------------------|
| Prewired                          | Yes                  |
| Product Type                      | Connector Assembly   |
| Accessory Color                   | Black                |
| Assembly Type                     | Electrical Connector |
| Connector System                  | Wire-to-Panel        |
| Sealable                          | Yes                  |
| Connector & Contact Terminates To | Wire & Cable         |
| Circular Connector Type           | Receptacle           |
| Shell Type                        | Metal                |

Configuration Features

|                                       |    |
|---------------------------------------|----|
| Keying & Polarized Position Locations | D  |
| Factory Installed Backshell           | No |
| Keying                                | D  |



|                            |     |
|----------------------------|-----|
| Number of Positions        | 2   |
| Number of Power Positions  | 0   |
| Number of Signal Positions | 2   |
| Contacts Preloaded         | Yes |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

|                                             |           |
|---------------------------------------------|-----------|
| Peripheral Seal Material                    | Silicone  |
| O-Ring Material                             | Silicone  |
| Environmental Protection Type               | Sealed    |
| Shell Plating Material                      | Nickel    |
| Shell Base Material                         | Brass     |
| Circular Connector Insulation Material Type | Polyamide |

Contact Features

|                                 |        |
|---------------------------------|--------|
| Contact Current Rating (Max)    | 4 A    |
| Reverse Gender                  | Yes    |
| Circular Connector Contact Type | Socket |

Mechanical Attachment

|                       |       |
|-----------------------|-------|
| Polarization Code     | D     |
| Mating Alignment Type | Keyed |

Housing Features

|                               |    |
|-------------------------------|----|
| Circular Connector Shell Size | 18 |
|-------------------------------|----|

Dimensions

|           |                          |
|-----------|--------------------------|
| Wire Size | .34 – .5 mm <sup>2</sup> |
|-----------|--------------------------|

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| 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 |
|--------------------|---|

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 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                           |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>Pb (1.9% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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



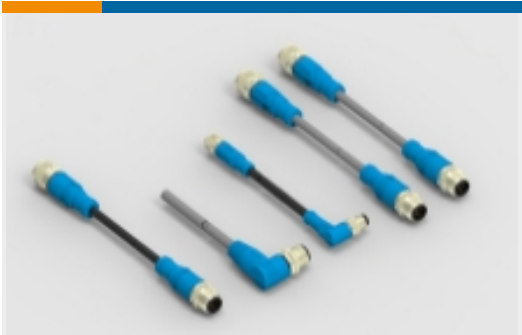




TE Part # T4111501021-000  
M12,MALE,STRAIGHT,D CODE,2P,  
PG7,GOLD

Also in the Series

M12 Connector



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(521)

Customers Also Bought



TE Part #2-36152-1  
PIDG 22-16 22-18 MIL R 6; TAPE



TE Part #1-1393212-0  
T92S7D12-24



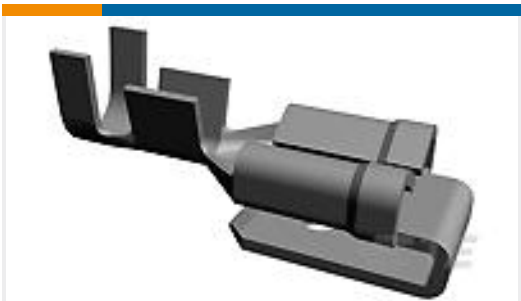
TE Part #6609006-5  
3EEJ1=F8009 S0



TE Part #T4171010002-001  
M12,REAR MOUNTING,MALE,A,2P,0.2  
M WIRE



TE Part #5-747904-5  
9 Plug Solder Cup, 30 gold, Ro



TE Part #1217151-1  
187 FASTON,PIGGYBACK REC.,18-14  
AWG,TPBR



TE Part #C96433-000  
NT-MIL-1/4-0-SP



TE Part #YDTS26W19-11SAV001  
PLUG ASSY



TE Part #1056336-1  
SMA Plug to Plug Adapter 2781 0000  
02



TE Part #8-1437627-2  
G12B=BUTTON GUARD BLACK



Documents

Product Drawings

M12,REAR MOUNTING,FEMALE,D,2P,0.2M WIRE

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_T4171110502-001\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_T4171110502-001\_B.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_T4171110502-001\_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

English

M8 / M12 Connector System Catalog

Japanese

Product Specifications

English

Agency Approvals

UL

English