

**M12 Connector**

TE Internal #: T4171010003-001

Standard Circular Connectors, Wire-to-Panel, 3 Position, Sealable, Wire &amp; Cable, Signal, Reverse Gender, Nickel, Brass, M12 Connector

[View on TE.com >](#)

Connectors &gt; Circular Connectors &gt; Standard Circular Connectors &gt; M12 Panel Mount Wire

Connector System: **Wire-to-Panel**Number of Positions: **3**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	Plug
Shell Type	Metal

**Configuration Features**

Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Keying	A

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### 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	Pin

#### Mechanical Attachment

Polarization Code	A
Mating Alignment Type	Keyed

#### Housing Features

Circular Connector Shell Size	18
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#### Dimensions

Wire Size	.34 - .5 mm <sup>2</sup>
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#### 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](http://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 2024  
(240)Candidate List Declared Against: JAN 2024  
(240)

SVHC &gt; Threshold:

Pb (1.9% 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 &gt; 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>

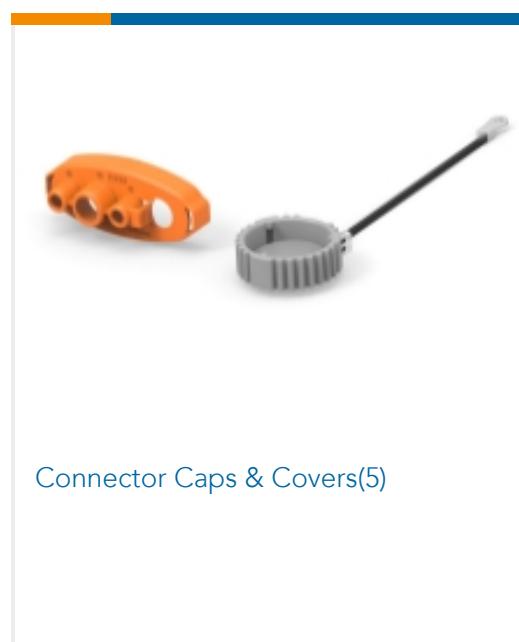
**Compatible Parts**



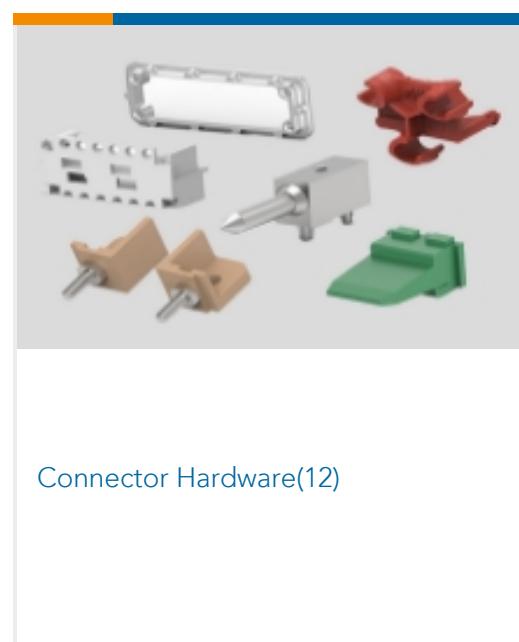
TE Part # T4110001031-000  
M12,FEMALE,STRAIGHT,A CODE,3P,  
PG7,GOLD

## Also in the Series

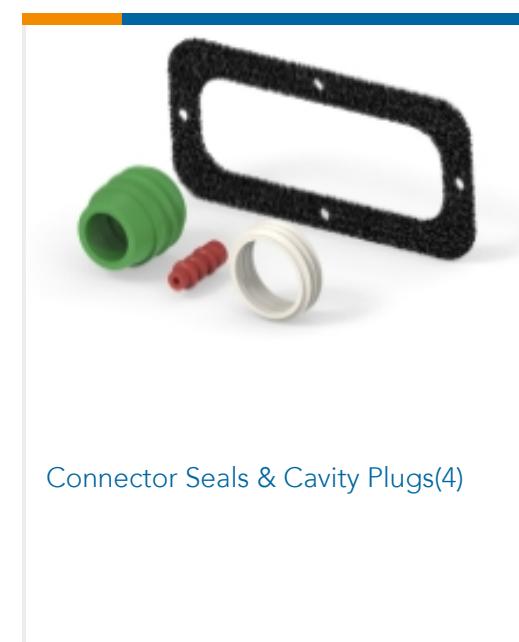
### M12 Connector



Connector Caps & Covers(5)



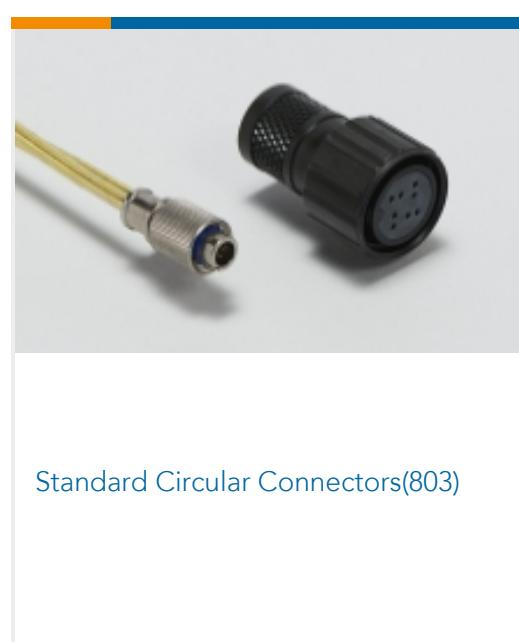
Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

## Customers Also Bought



TE Part # T4171110005-001  
M12,REAR MOUNTING,FEMALE,A,5P,  
0.2M WIRE



TE Part # 6609044-4  
20VW1=F7257 S0



TE Part # T4111502041-000  
M12 Field Installable Unshielded



TE Part # 1487596-1  
USB, A-B, 28/24, BLACK, 2.0M



TE Part # T4113012041-000  
M12 M, 4P GOLD A\_CODE RA  
SHIELDED PG9



TE Part # 5-5223955-2  
TE UPM Ver Rec 3P HC Power  
Connector



TE Part # 61158-1  
110 FASTON REC 22-18 AWG TPBR



TE Part # 2176330-1  
CRGP 2010 10R 1%



TE Part # T4110012031-000  
M12 F, 3P GOLD A\_CODE S  
SHIELDED PG9

## Documents

### Product Drawings

[M12,REAR MOUNTING,MALE,A,3P,0.2M WIRE](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_T4171010003-001\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4171010003-001\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4171010003-001\\_B.2d\\_dxf.zip](#)

English

### 3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English