

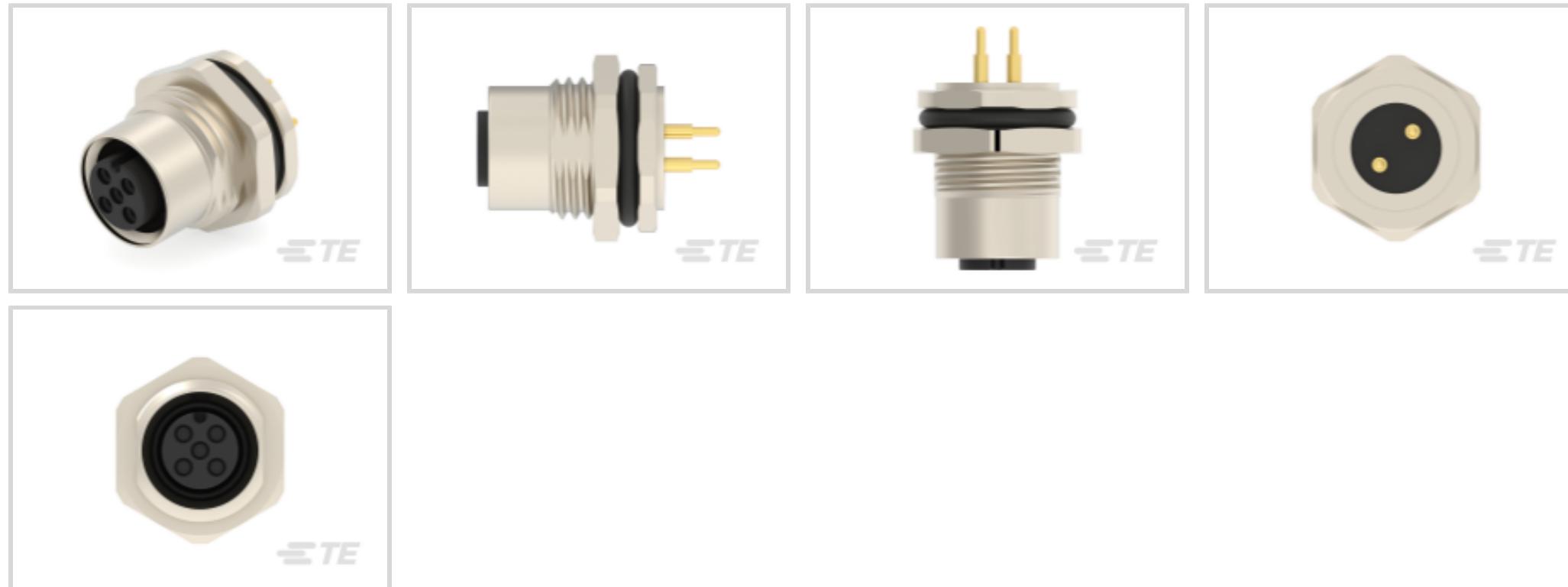
**M12 Connector**

TE Internal #: T4141012021-000

2 Position Circular Connector, Wire-to-Panel, Sealable, Wire &amp; Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, Code A, M12 Connector

[View on TE.com >](#)

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



Number of Positions: 2

Connector System: **Wire-to-Panel**Sealable: **Yes**Connector & Contact Terminates To: **Wire & Cable**Contact Current Rating (Max): **4 A**[All M12 Panel Mount PCB \(103\)](#)**Features****Electrical Characteristics**

Operating Voltage	250 VDC
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**Packaging Features**

Packaging Quantity	1
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**Industry Standards**

UL Flammability Rating	UL 94HB
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**Other**

Field Serviceable	No
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

**Usage Conditions**

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

### 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 GF
Hermetically Sealed	Yes

### Product Type Features

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	Receptacle
Shell Type	Metal

### Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Number of Positions	2
Number of Power Positions	0
Number of Signal Positions	2
Contacts Preloaded	Yes

### Contact Features

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

### Mechanical Attachment

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

### Housing Features

Circular Connector Shell Size	18
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### Operation/Application

Circuit Application	Signal
Shielded	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: 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	Low Halogen - Br, Cl, F, I < 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

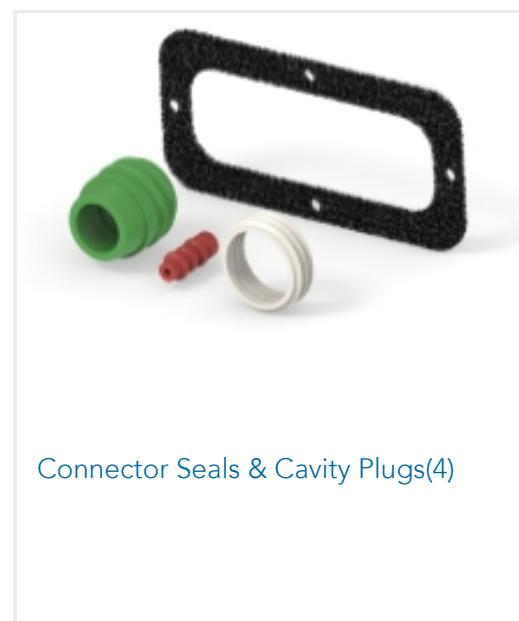


TE Part # T4111001021-000  
M12,MALE,STRAIGHT,A CODE,2P,  
PG7,GOLD

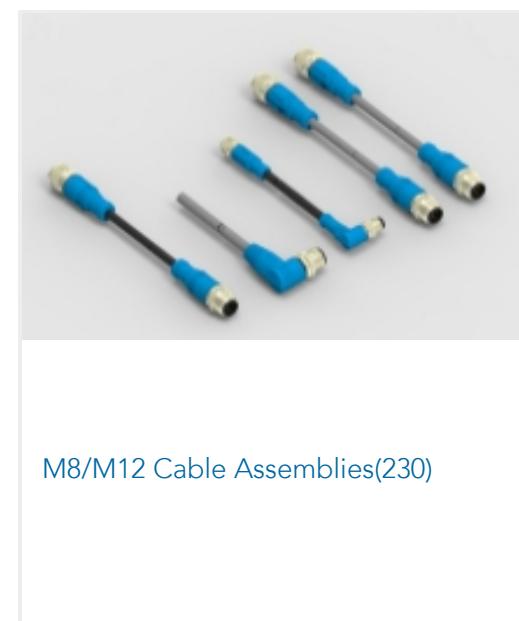
## Also in the Series | M12 Connector



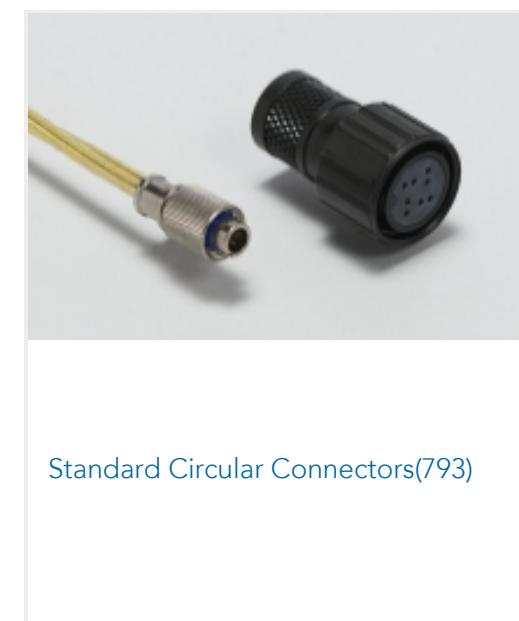
Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)

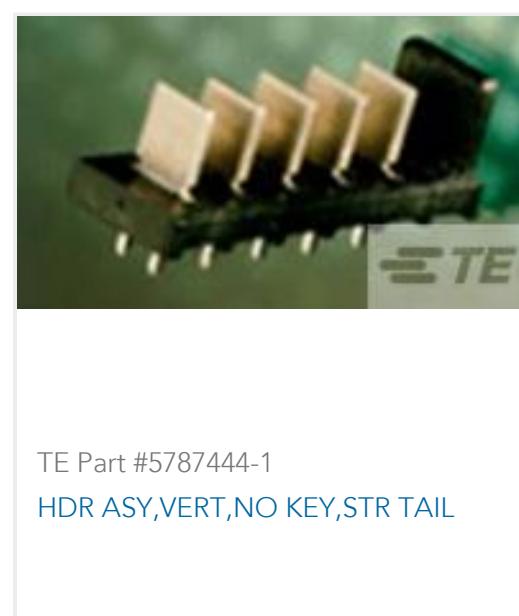


Standard Circular Connectors(793)

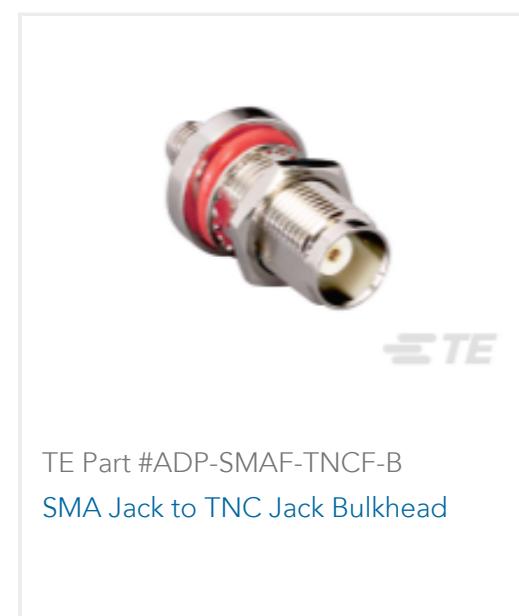
## Customers Also Bought



TE Part #1-2273002-1  
M8 x 1.0 straight plug Pigtail



TE Part #5787444-1  
HDR ASY,VERT,NO KEY,STR TAIL



TE Part #ADP-SMAF-TNCF-B  
SMA Jack to TNC Jack Bulkhead



TE Part #ANT-868-PML-UFL  
Antenna R-Angle Swivel 868MHz  
RG178 UFL



TE Part #9236-BCE-T-600-002  
600PA DIFF. DIGITAL PRESSURE  
SENSOR



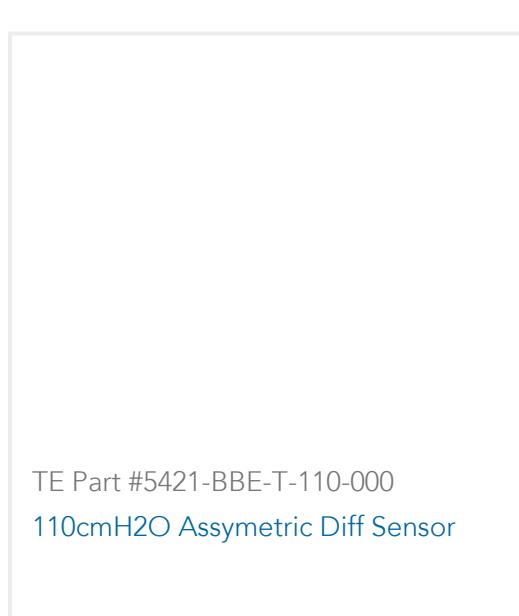
TE Part #T4111002021-000  
M12,MALE,STRAIGHT,A CODE,2P,  
PG9,GOLD



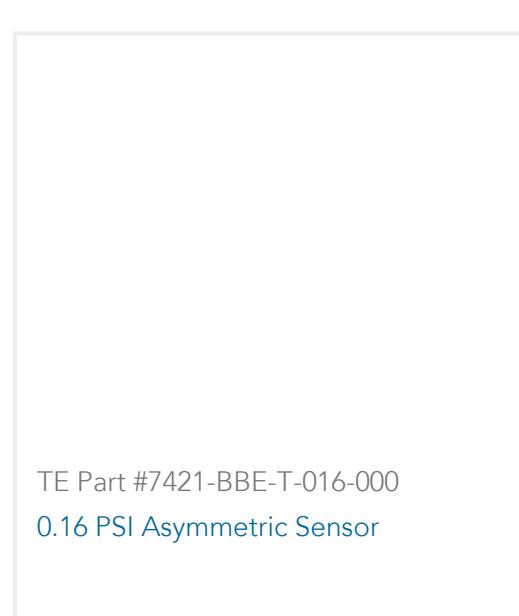
TE Part #2411062-4  
RF CA,UMCC GEN1,1.13MM,L200MM  
PIGTAIL



TE Part #MTRA61274CB2-001  
OMNI,DB,Ph,617/1690 MHz



TE Part #5421-BBE-T-110-000  
110cmH2O Assymetric Diff Sensor



TE Part #7421-BBE-T-016-000  
0.16 PSI Assymetric Sensor

## Documents

### Product Drawings

[M12,REAR MOUNTING,FEMALE,A CODE,2P](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_T4141012021-000\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4141012021-000\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4141012021-000\\_B.3d\\_stp.zip](#)

English

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