



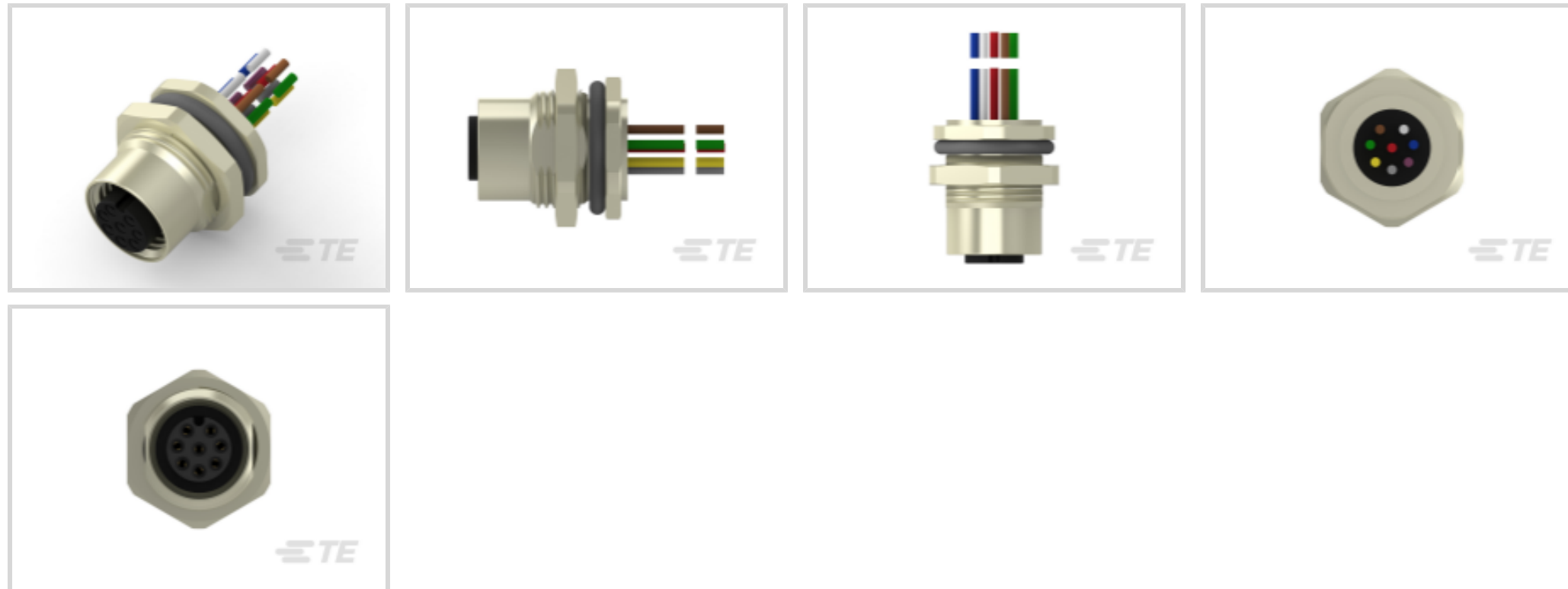
**M12 Connector**

TE Internal #: T4171120008-001

M12 Connector, Standard Circular Connectors, Wire-to-Panel, 8 Position, Sealable, Wire & Cable, 2A Contact Current Rating (Max), Signal

[View on TE.com >](#)

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



Connector System: **Wire-to-Panel**

Number of Positions: **8**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **2 A**

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

**Features**

**Product Type Features**

Product Type	Connector
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	A
Factory Installed Backshell	No
Keying	A
Number of Positions	8



Number of Power Positions	0
Number of Signal Positions	8
Contacts Preloaded	Yes

#### Electrical Characteristics

Operating Voltage	30 VAC
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#### Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25

#### Contact Features

Contact Current Rating (Max)	2 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

#### Mechanical Attachment

Polarization Code	A
Mating Alignment Type	Keyed

#### Housing Features

Circular Connector Shell Size	18
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#### Usage Conditions

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

#### Operation/Application

Circuit Application	Signal
Shielded	No

#### Industry Standards

UL Flammability Rating	HB
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#### Packaging Features



Packaging Quantity	1
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### 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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2021 (211)                  Candidate List Declared Against: JUN 2020 (209)                  SVHC &gt; Threshold:                  Pb (3.94% in Component)</p> <p><b>Article Safe Usage Statements:</b>                  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.</p>
Halogen Content	Not Yet Reviewed for halogen content
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

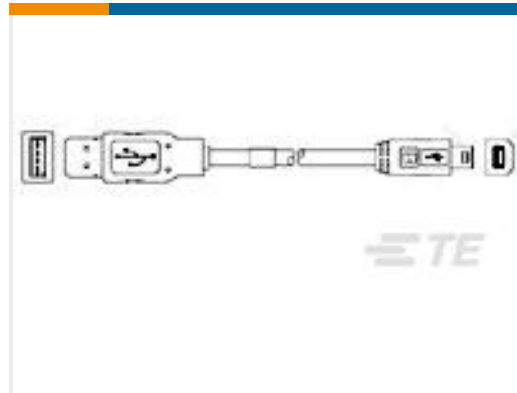


Circular Connector Adapters(2)



Standard Circular Connectors(453)

## Customers Also Bought

TE Part #1-2273004-1  
M8 MALE STRAIGHT PIGTAILTE Part #T4171330012-001  
M12 Panel Mount WireTE Part #1487596-3  
USB, A-B, 28/24, BLACK, 1.8MTE Part #1757823-9  
AMPLIMITE,ASY,PLUG,STD,90,ZN,3,CTTE Part #1838275-4  
M12 Fld Ser CONN. Male Pin SldrTE Part #2-1445057-7  
MICRO MNL HDR ASSY SINGLE ROWTE Part #1-350087-0  
CABLE TIE MOUNT BASE, BLACKTE Part #1-2823449-5  
M12 STRAIGHT CRIMPED STRAIN RELIEFTE Part #1466294-1  
03300010001TE Part #104433-3  
06 MODII HDR DRST B/A W/HD

## Documents

### Product Drawings

M12,REAR MOUNT,FEMALE,A,8P,0.2M WIRE

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG\_CVM\_CVM\_T4171120008-001\_A.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_T4171120008-001\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_T4171120008-001\\_A.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

[M12 PCB/Panel Connectors 8/12Pin](#)

English

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**Product Specifications**

[Application Specification](#)

English