

### M12 Connector

TE Internal #: 1838275-3

5 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, A Code, PA, Hermetically

Sealed, M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors











Number of Positions: 5

Connector System: Cable-to-Cable

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 5 A

# **Features**

#### **Product Type Features**

Product Type Features	
Assembly Requirement	Factory Assembled
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	No
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plastic
Configuration Features	
Keying & Polarized Position Locations	A
Factory Installed Backshell	With

5

Number of Positions



Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	500 VAC
Body Features	
O-Ring Material	EPDM
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black
Shell Base Material	Plastic
Circular Connector Insulation Material Type	PA
Hermetically Sealed	Yes
Contact Features	
Contact Current Rating (Max)	5 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin
Termination Features	
Termination Method to Wire & Cable	Solder
Mechanical Attachment	
Mating Retention Type	Threaded
Mating Alignment	With
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With
Housing Features	
Circular Connector Shell Size	15
Dimensions	
Wire Size	22 – 20 AWG
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	
Compatible With Approved Standards Products	IEC
Packaging Features	
Packaging Quantity	50

## **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	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3% 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Hand solderable with lead free solder

### 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





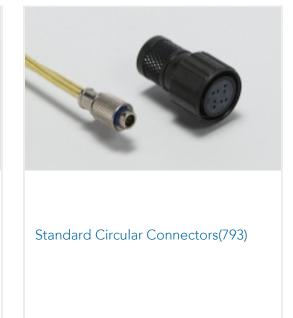


# Also in the Series M12 Connector









# Customers Also Bought























## **Documents**

## **Product Drawings**

M12 Fld Ser CONN. Male Pin Sldr

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_1838275-3\_B.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1838275-3\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1838275-3\_B.3d\_stp.zip

English

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**

**Product Specification** 

English