

### M12 Connector

TE Internal #: 6-2271111-2

12 Position Circular Connector, Cable-to-Cable, Sealable, Wire &

Cable, Signal, Reverse Gender, Nickel, Zinc Alloy, A Code, M12

Connector

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors











Number of Positions: 12

Connector System: Cable-to-Cable

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 1.5 A

### **Features**

Factory Installed Backshell

Number of Positions

Product Type Features	
Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
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	Metal
Configuration Features	
Keying & Polarized Position Locations	A

With

12



Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	30 VAC
EMI & RFI Protection & Suppression Type	Shielding
Body Features	
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Metalized Silver
Shell Plating Material	Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes
Contact Features	
Contact Current Rating (Max)	1.5 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	20
Dimensions	
Wire Size	26 – 22 AWG
Usage Conditions	
IP Dust Sealing Level	6



IP Water Sealing Level	IP67
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Circuit Application	Signal
Shielded	Yes
Industry Standards	
Compatible With Approved Standards Products	IEC
Packaging Features	
Packaging Quantity	1

# **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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3% in 33977279921) 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 reviewed 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

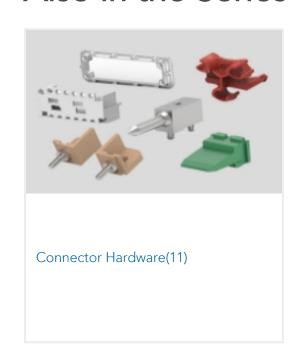


# Compatible Parts



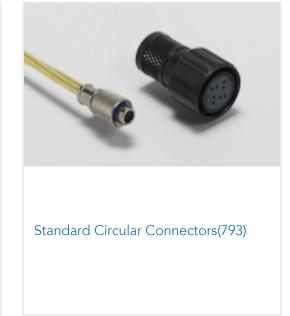


# Also in the Series | M12 Connector









# Customers Also Bought



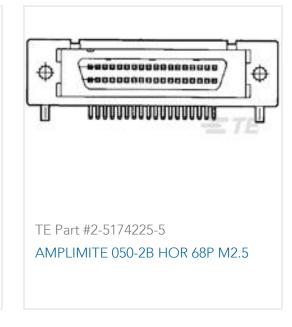


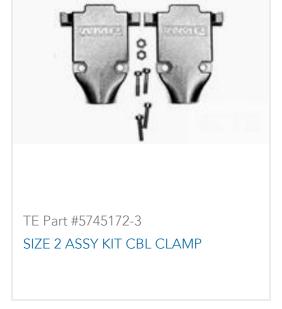


















### **Documents**

## **Product Drawings**

M12, MALE, A CODE, 12P, PG9, SHIELDED (AU)

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_6-2271111-2\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_6-2271111-2\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_6-2271111-2\_A.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