2120947-1 ACTIVE

M12 Connector

TE Internal #: 2120947-1

0 Position Circular Connector, Cable-to-Cable, Wire & Cable,

Power, Reverse Gender, Nickel, T Code, PA, Hermetically Sealed,

M12 Connector

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors











Number of Positions: 0

Connector System: Cable-to-Cable

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 12 A

Circuit Application: Power

Features

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
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Normal
With
0
0



Number of Signal Positions Contacts Preloaded Yes Electrical Characteristics Operating Voltage Body Features Primary Product Color Shell Plating Material Circular Connector Insulation Material Type PA Hernetically Sealed Yes Contact Features Contact Features Contact Features Contact Current Rating (Max) 12 A Reverse Gender Yes Circular Connector Contact Type Pin Termination Features Termination Method to Wire & Cable Screw Mechanical Attachment Mating Retention Type Mating Alignment Polarization Code T Mating Alignment Type Keyed Mating Retention Dimensions Wire Size 22 – 16 AWG Usage Conditions IP Water Sealing Level Operation/Application	Contacts Preloaded Yes Electrical Characteristics Operating Voltage 60 VDC Body Features Primary Product Color Metalized Silver Shell Plating Material Nickel Circular Connector Insulation Material Type PA Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 12 A Reverse Gender Yes Circular Connector Contact Type Pin Termination Features Termination Method to Wire & Cable Screw Mechanical Attachment Mating Retention Type Threaded Mating Alignment With Polarization Code T Mating Alignment Type Keyed Mating Retention Dimensions Wire Size 22 – 16 AWG Usage Conditions IP Water Sealing Level IP67 Operating Temperature Range	
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Circuit Application Power	Industry Standards	
Shielded		
Industry Standards	Compatible With Approved Standards Products IEC	
Compatible With Approved Standards Products IEC		



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	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 17914584032) 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

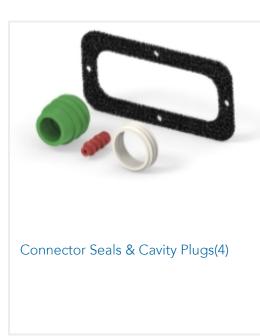


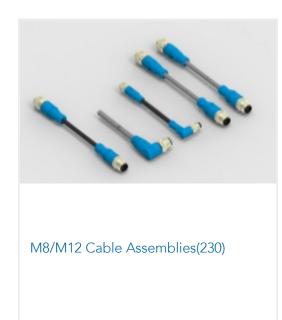
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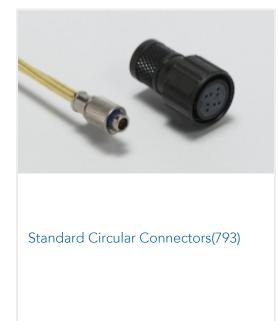


Also in the Series M12 Connector









Customers Also Bought















Documents

Product Drawings

M12 DC POWER PLUG CONNECTOR, T-CODED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2120947-1_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2120947-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2120947-1_A1.3d_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

1-1773730-5_M8M12_SYSTEM_FLYER

English

Product Specifications

Product Specification

English