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

Keying & Polarized Position Locations	Normal
Factory Installed Backshell	With
Number of Positions	0
Number of Power Positions	0

Number of Signal Positions	0
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	With

Dimensions

Wire Size	22 – 16 AWG

Usage Conditions

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

Operation/Application

Circuit Application	Power
Shielded	No

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 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

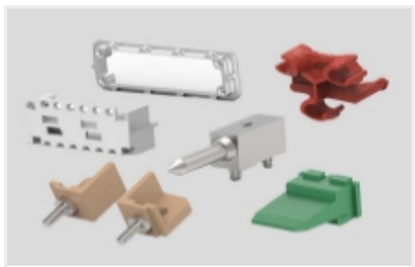
Product Compliance Disclaimer

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

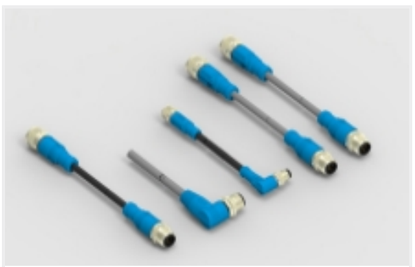
TE Part # 2120946-1
M12 DC POWER SOCKET CONNECTOR, T-CODED

Also in the Series | M12 Connector



Connector Hardware(11)

Connector Seals & Cavity Plugs(4)

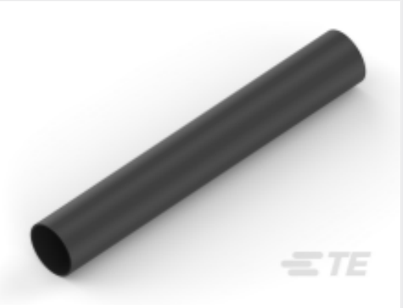


M8/M12 Cable Assemblies(230)

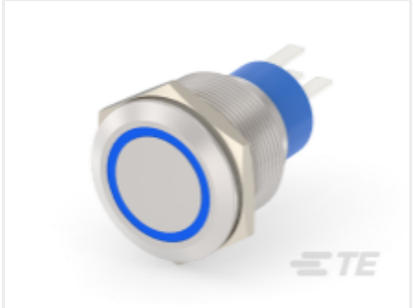
Standard Circular Connectors(793)

Customers Also Bought

TE Part #7421224003
RNF-3000-4.5/1.5-0-SP



TE Part #NB10594001
ATUM-3/1-0-SP



TE Part #1-2213772-7
AV22 SPM 3A MOVE RING LED BLUE 12V

TE Part #6-2271122-2
M12, MALE, A CODE, R/A, 12P, PG9 (AU)

TE Part #CAT-C73765-M1E
M12 Field Installable Unshielded

TE Part #CAT-C73765-M1F
M12 Panel Mount Wire

TE Part #ANT-W63-CW-RCS-RPS
Antenna 1/4 Wave R-Angle Wifi6/6E RPS

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

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