



M8 Connector

TE Internal #: 2-2172091-2

Wire-to-Panel, 3 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Zinc Alloy, M8 Connector, Standard Circular Connectors

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**
Connector Mounting Type: **Panel Mount**
Number of Positions: **3**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Number of Positions	3
Number of Power Positions	0



Number of Signal Positions	3
Contacts Preloaded	Yes

Electrical Characteristics

EMI & RFI Protection & Suppression Type	Shielding
---	-----------

Body Features

Shell Plating Material	Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	Polyamide
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	3 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	12
-------------------------------	----

Usage Conditions

IP Water Sealing Level	7
IP Dust Sealing Level	6
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal
Shielded	Yes

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
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold



EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2024 (241)
Candidate List Declared Against: JUNE 2023 (235)
SVHC > Threshold:
Pb (4% in Component)

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 Bromine/Chlorine - Br and Cl < 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

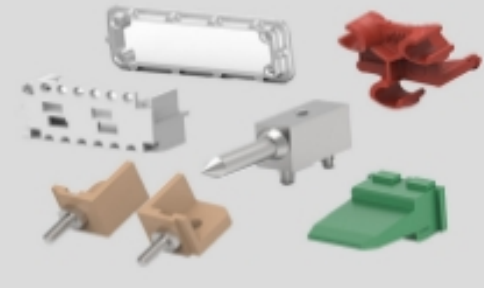


TE Part # T4011019031-000
M8,SCREW, MALE,S,SHIELD,3P,GOLD

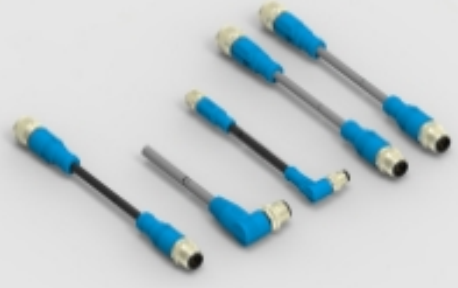
Also in the Series | M8 Connector



Connector Caps & Covers(5)



Connector Hardware(4)



M8/M12 Cable Assemblies(147)



Standard Circular Connectors(106)



Customers Also Bought



TE Part #32589
TERMINAL,PIDG SPD 12-10 10



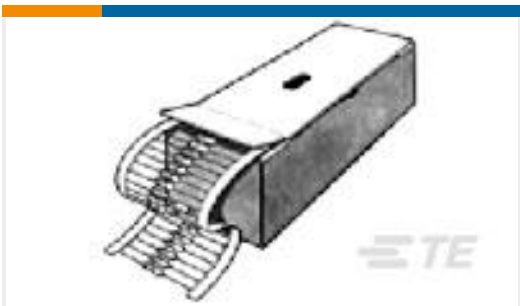
TE Part #5-146257-8
16 MODII HDR DRST B/A .100CL L



TE Part #1-480393-1
02P CMNL PLUG HSG F/H BLK



TE Part #5-146257-7
14 MODII HDR DRST B/A .100CL L



TE Part #2176083-2
EP 5W (S) 15R 5%



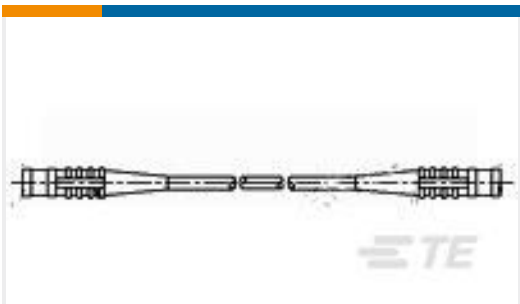
TE Part #1676192-2
RN 0805 14K 0.1% 10PPM 1KRL



TE Part #66359-5
III+ PIN,18-14,30AU>10,STRIP



TE Part #200333-1
CONTACT SOC. ASSY.



TE Part #1337815-2
50 OHM COAX SMB STR PLUG STR P

Documents

Product Drawings

M8.FMLE.PNLREAR.3POS.PCBSTAND.RA.SHLD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2172091-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2172091-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2172091-2_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

Product Specifications
Application Specification
English