



M8 Connector

TE Internal #: 3-2172091-2

Wire-to-Panel, 4 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Zinc Alloy, M8 Connector, Standard Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**
Connector Mounting Type: **Panel Mount**
Number of Positions: **4**
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	4
Number of Power Positions	0



Number of Signal Positions	4
Contacts Preloaded	Yes

Electrical Characteristics

EMI & RFI Protection & Suppression Type	Shielding
Operating Voltage	60 VAC

Body Features

Environmental Protection	IP67
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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

Circular Connector Shell Size	12
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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

Industry Standards



UL Flammability Rating	UL 94HB
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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
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 2024 (241) SVHC > Threshold: Pb (4% 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	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

M8 Connector



Connector Caps & Covers(5)



Connector Hardware(4)




M8/M12 Cable Assemblies(147)

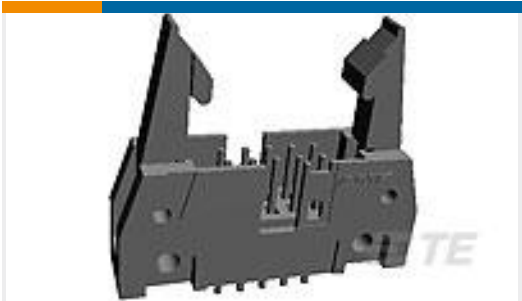


Standard Circular Connectors(106)


Customers Also Bought




TE Part #1462042-9
IMC06CGR=IM Relay 140mW 12V 1CO




TE Part #5499910-8
A/L UNIV HDR 34P VERT SHT LAT



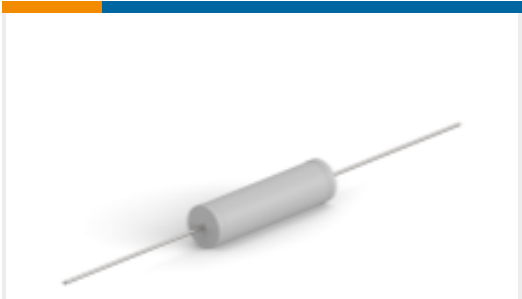
TE Part #2-2172093-2
M8.MALE.PNLREAR.3POS.RA.
PCBSTND.SHLD




TE Part #2267078-5
TMS3T5B2M2RE




TE Part #2176329-5
CRGP 1210 22R 1%




TE Part #2176414-3
7W STD M/OX 5% 24R




TE Part #5983226001
DSPL-NR2-0-50MM



TE Part #2-2367295-1
PROTECTION CAP/CVR,PCON21



TE Part #2310213-1
2POS,PCON12,REC HSG ASSY,90DEG,
SLD,COD A



TE Part #2840877-4
SEAL RETAINER,PCON12,SIZE D

Documents

Product Drawings

M8.FMLE.PNLREAR.4POS.PCBSTAND.RA.SHLD

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_3-2172091-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2172091-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2172091-2_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

English

Product Specifications

[Application Specification](#)

English