



M8 Connector

TE Internal #: T4043014031-000

M8 Connector, Standard Circular Connectors, Wire-to-Board, 3 Position, Sealable, Signal, Nickel, Brass, A Polarization Code, Polyamide 67 GF30

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Connectors > Circular Connectors > Standard Circular Connectors > M8 Panel Mount PCB



Connector System: **Wire-to-Board**

Number of Positions: **3**

Sealable: **Yes**

Contact Current Rating (Max): **3 A**

Circuit Application: **Signal**

[All M8 Panel Mount PCB \(12\)](#)

Features

Product Type Features

| | |
|-------------------------|----------------------|
| Prewired | No |
| Product Type | Connector |
| Accessory Color | Black |
| Assembly Type | Electrical Connector |
| Connector System | Wire-to-Board |
| Sealable | Yes |
| Circular Connector Type | Receptacle |
| Shell Type | Metal |

Configuration Features

| | |
|---------------------------------------|----|
| Keying & Polarized Position Locations | A |
| Factory Installed Backshell | No |
| Keying | A |
| Number of Positions | 3 |



| | |
|----------------------------|-----|
| Number of Power Positions | 0 |
| Number of Signal Positions | 3 |
| Contacts Preloaded | Yes |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 60 VAC |
|-------------------|--------|

Body Features

| | |
|---|-------------------|
| Peripheral Seal Material | Silicone |
| Environmental Protection | IP67 |
| O-Ring Material | Silicone |
| Environmental Protection Type | Sealed |
| Shell Plating Material | Nickel |
| Shell Base Material | Brass |
| Circular Connector Insulation Material Type | Polyamide 67 GF30 |

Contact Features

| | |
|---------------------------------|--------|
| Contact Current Rating (Max) | 3 A |
| Reverse Gender | No |
| Circular Connector Contact Type | Socket |

Mechanical Attachment

| | |
|-----------------------|-------|
| Polarization Code | A |
| Mating Alignment Type | Keyed |

Housing Features

| | |
|-------------------------------|------|
| Circular Connector Shell Size | 12.6 |
|-------------------------------|------|

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 | No |

Industry Standards

| | |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|



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: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (4% in Pb-Alloy in Copper) 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 | Not Yet Reviewed for halogen content |
| Solder Process Capability | Not applicable 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 # T4011008031-000
M8,SCREW, MALE,S,UNSHIELD,3P, GOLD

Also in the Series | M8 Connector



Standard Circular Connectors(52)

Customers Also Bought



TE Part #T4011008031-000
M8 Field Installable



TE Part #66507-4
HD 20 DF PIN PLTD



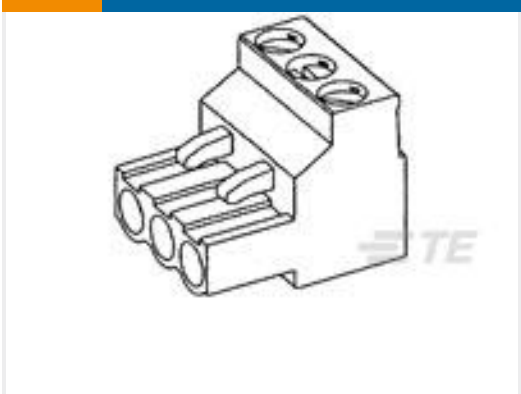
TE Part #T4040014031-000
M8.MLE.PNLREAR.3POS.STR PCB



TE Part #T4062123004-005
M8 MS-FS DOUBLE ENDED CABLE



TE Part #T4161120005-005
RPC-M12-MS-5CON-PUR-5.0SH



TE Part #796634-5
5 POS 5.08MM R/A PLUG,TRM BLK



TE Part #749087-2
50SR SCREWLOCK KIT,FEMALE



TE Part #5-1393788-8
V23079D1005B301

Documents

Product Drawings

M8.FMLE.PNLFRONT.3POS.STRPCB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4043014031-000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4043014031-000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4043014031-000_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

M8 / M12 Connector System Catalog

English

Product Specifications

Application Specification

English