

M12 Connector, AMP M12

TE Internal #: 1838891-4

8 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, Code A,

Polyamide, AMP M12

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Connectors > Circular Connectors > Standard Circular Connectors











Number of Positions: 8

Connector System: Wire-to-Panel

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 2A

Features

| Electrical Characteristics | |
|---|---------------------------|
| Operating Voltage | 500 VAC |
| Packaging Features | |
| Packaging Quantity | 50 |
| Termination Features | |
| Termination Method to Wire & Cable | Solder |
| Industry Standards | |
| Compatible With Approved Standards Products | IEC |
| Usage Conditions | |
| IP Water Sealing Level | IP67 |
| Operating Temperature Range | -40 - 85 °C[-40 - 185 °F] |
| Body Features | |
| O-Ring Material | EPDM |

IP67

Environmental Protection



| Environmental Protection Type | Sealed |
|---|----------------------|
| Primary Product Color | Black |
| Shell Base Material | Plastic |
| Circular Connector Insulation Material Type | Polyamide |
| Hermetically Sealed | Yes |
| Mechanical Attachment | |
| Panel Mount Feature | With |
| Mating Retention Type | Threaded |
| PCB Mount Retention | With |
| Panel Mount Feature Type | Screw Nut |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| Connector Mounting Type | Panel Mount |
| Polarization Code | A |
| Mating Alignment Type | Keyed |
| Mating Retention | With |
| Product Type Features | |
| Assembly Requirement | Factory Assembled |
| Circular Connector Shell Type | All Plastic |
| Connector Product Type | Connector Assembly |
| Assembly Type | Electrical Connector |
| Prewired | No |
| Connector System | Wire-to-Panel |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Circular Connector Type | Receptacle |
| Shell Type | Plastic |
| Configuration Features | |
| Keying & Polarized Position Locations | A |
| Factory Installed Backshell | With |
| Number of Positions | 8 |
| Number of Power Positions | 0 |
| | |



| Contacts Preloaded | Yes |
|---------------------------------|---------------------------|
| Contact Features | |
| Contact Current Rating (Max) | 2 A |
| Reverse Gender | Yes |
| Circular Connector Contact Type | Socket |
| Housing Features | |
| Circular Connector Shell Size | 18 |
| Operation/Application | |
| Circuit Application | Signal |
| Shielded | No |
| Other | |
| EU RoHS Compliance | Compliant with Exemptions |

Compliant with Exemptions

Product Compliance

EU ELV 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: JUNE 2024 (241) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°C |

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



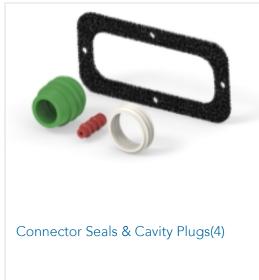
on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

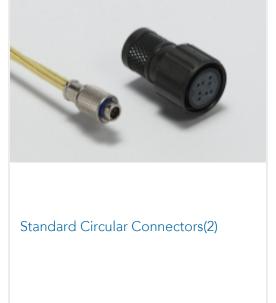


Also in the Series | M12 Connector



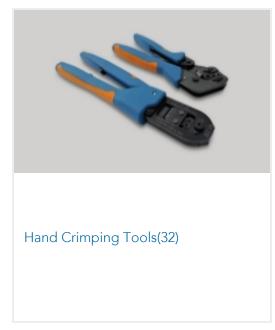


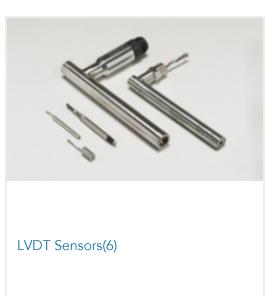


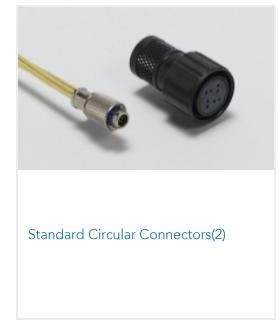


Also in the Series | AMP M12









Customers Also Bought













TE Part #1986172-1 PASSTHROUGH SHIELDED RECPT ASSY



TE Part #5-102393-1 06 AMPMODU MT ASSY DR.100CL SN







TE Part #556144-2 CLIP,BAIL,SPECIAL,LONG

Documents

Product Drawings

M12 Mtl FEMALE PNL CONN. Sldr Rear (Hex)

English

CAD Files

Customer View Model

ENG_CVM_CVM_1838891-4_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1838891-4_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1838891-4_C.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