



M12 Connector

TE Internal #: 1838415-4
8 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, Code A, Polyamide, M12 Connector

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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): **2 A**

Features

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] |

Dimensions

| | |
|-----------|---------|
| | .984 in |
| Wire Size | 24 AWG |

Body Features

| | |
|-----------------|------|
| O-Ring Material | EPDM |
|-----------------|------|



| | |
|---|-----------|
| Environmental Protection | IP67 |
| 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 |



| | |
|----------------------------|-----|
| Number of Signal Positions | 8 |
| 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 |
| EU ELV Compliance | Compliant with Exemptions |

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.31% 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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Hand solderable with lead free solder |

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 # T4111002081-000
M12,MALE,STRAIGHT,A CODE,8P,
PG9,GOLD

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 #329951
TERMINAL,PIDG R 26-22 2

TE Part #T4133012121-000
M12,FRONT MOUNT,FEMALE,A,12P,
SOLDER WIRE

TE Part #179593-2
POWER D/LOCK REC CONT. H/P L/P

TE Part #2120959-1
M8 FEMALE SOCKET WITH WIRES,
0.25 SQMM

TE Part #6-2271110-2
M12, MALE, A CODE, 12P, PG9 (AU)

TE Part #6-2271111-2
M12, MALE, A CODE, 12P, PG9,
SHIELDED(AU)

TE Part #796635-2
2 POS 5.08MM R/A PLUG,TRM BLK

TE Part #FX1901-0001-0200-L
200 LBF COMPRESSION LOAD CELL
100MV



Documents

Product Drawings

M12 Mtl FEMALE PNL CONN. Sldr Rear (Cir)

English

CAD Files

Customer View Model

ENG_CVM_CVM_1838415-4_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1838415-4_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1838415-4_A1.3d_igs.zip

English

3D PDF

3D

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

Product Specification

English