



M12 Connector

TE Internal #: 1838275-3
Cable-to-Cable, 5 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Cable**
Connector Mounting Type: **Cable Mount (Free-Hanging)**
Number of Positions: **5**
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 | All Plastic |
| Connector Product Type | Connector Assembly |
| Connector System | Cable-to-Cable |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Circular Connector Type | Plug |
| Shell Type | Plastic |

Configuration Features

| | |
|-----------------------------|---------|
| Factory Installed Backshell | Without |
| Number of Positions | 5 |



| | |
|----------------------------|-----|
| Number of Power Positions | 0 |
| Number of Signal Positions | 5 |
| Contacts Preloaded | Yes |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 500 VAC |
|-------------------|---------|

Body Features

| | |
|---|----------|
| Peripheral Seal Material | Silicone |
| Environmental Protection | With |
| Environmental Protection Type | Sealed |
| Shell Plating Material | Unplated |
| Shell Base Material | Plastic |
| Circular Connector Insulation Material Type | PA |
| Hermetically Sealed | Yes |

Contact Features

| | |
|---------------------------------|-----|
| Contact Current Rating (Max) | 5 A |
| Reverse Gender | Yes |
| Circular Connector Contact Type | Pin |

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Polarization Code | A |
| Mating Alignment Type | Keyed |

Housing Features

| | |
|-------------------------------|----|
| Circular Connector Shell Size | 15 |
|-------------------------------|----|

Dimensions

| | |
|----------------------|------------------------------|
| Cable Diameter Range | 4.5 – 6.5 mm[.177 – .256 in] |
| Wire Size | .25 – .14 mm ² |

Usage Conditions

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|-----------------------------|---------------------------|
| IP Water Sealing Level | IP67 |
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|



| | |
|--------------------|-----|
| Shielded | No |
| Packaging Features | |
| Packaging Quantity | 50 |
| Other | |
| Field Serviceable | 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 (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 # T4111001051-000
M12,MALE,STRAIGHT,A CODE,5P,
PG7,GOLD

TE Part # 1838274-3
M12 Fld Ser CONN. Female Skt S

Also in the Series | M12 Connector

Connector Caps & Covers(5)

Connector Hardware(12)

Connector Seals & Cavity Plugs(4)

M8/M12 Cable Assemblies(230)

Standard Circular Connectors(803)

Customers Also Bought

TE Part #1658614-4
09 POS HDF RCPT, AP, LEAD FREE

TE Part #1838275-4
M12 Fld Ser CONN. Male Pin Slr

TE Part #1838891-2
M12 Mtl FEMALE PNL CONN. Slr
Rear (Hex)

TE Part #T4082102004-000
M8 T DISTRIBUTOR MALE 4POS

TE Part #3-965641-1
AMP Unsealed Connector Housing

TE Part #NB46232001
SCL-1/2-0-STK-CS34568

TE Part #3821213005
44A1131-24-0/2/9-9

TE Part #1-965600-1
MQS KAPPE 8P



Documents

Product Drawings

M12 Fld Ser CONN. Male Pin Sldr

English

CAD Files

Customer View Model

ENG_CVM_CVM_1838275-3_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1838275-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1838275-3_B.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

Product Specification

English