



M12 Connector

TE Internal #: T4131012121-000

Standard Circular Connectors, Wire-to-Panel, 12 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Brass, M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Solder Cups



Connector System: **Wire-to-Panel**

Number of Positions: **12**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **1.5 A**

[All M12 Panel Mount Solder Cups \(56\)](#)

Features

Product Type Features

| | |
|-----------------------------------|----------------------|
| Product Type | Connector |
| Accessory Color | Black |
| Assembly Type | Electrical Connector |
| Connector System | Wire-to-Panel |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Circular Connector Type | Receptacle |
| Shell Type | Metal |

Configuration Features

| | |
|---------------------------------------|----|
| Keying & Polarized Position Locations | A |
| Factory Installed Backshell | No |
| Keying | A |
| Number of Positions | 12 |



| | |
|----------------------------|-----|
| Number of Power Positions | 0 |
| Number of Signal Positions | 12 |
| Contacts Preloaded | Yes |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 30 VAC |
|-------------------|--------|

Body Features

| | |
|---|-------------------|
| Peripheral Seal Material | Silicone |
| Environmental Protection | IP67 |
| O-Ring Material | Silicone |
| Environmental Protection Type | Elastomer Sealed |
| Shell Plating Material | Nickel |
| Shell Base Material | Brass |
| Circular Connector Insulation Material Type | Polyamide 66 GF25 |

Contact Features

| | |
|---------------------------------|--------|
| Contact Current Rating (Max) | 1.5 A |
| Reverse Gender | Yes |
| Circular Connector Contact Type | Socket |

Mechanical Attachment

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

Housing Features

| | |
|-------------------------------|----|
| Circular Connector Shell Size | 18 |
|-------------------------------|----|

Dimensions

| | |
|-----------|-------------|
| Wire Size | 26 – 24 AWG |
|-----------|-------------|

Usage Conditions

| | |
|-----------------------------|---------------------------|
| 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: JAN 2022 (223)
 Candidate List Declared Against: JAN 2022 (223)
 SVHC > Threshold:
 Pb (4% in Component)
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

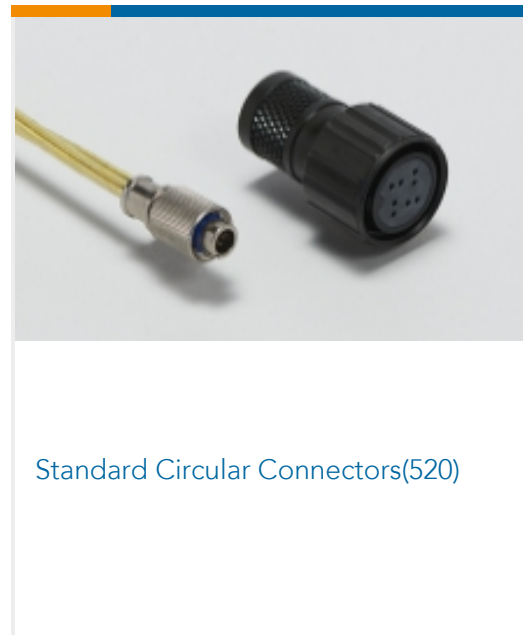
Product Compliance Disclaimer

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>

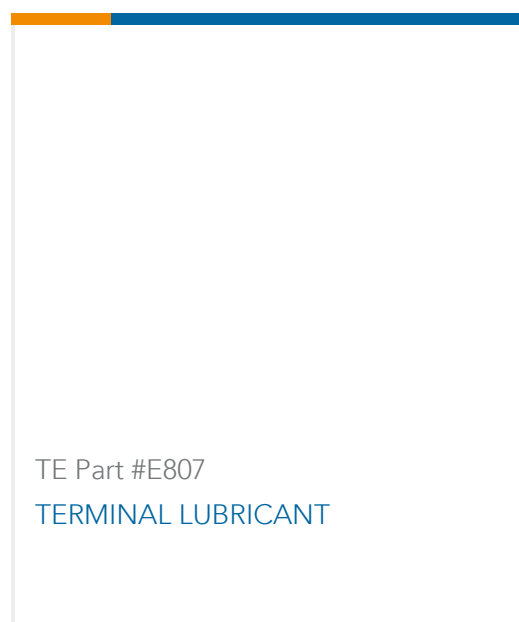
Compatible Parts



Also in the Series | M12 Connector



Customers Also Bought



Documents

Product Drawings

M12, REAR MOUNT, FEMALE, A, 12P, SOLDER WIRE

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_T4131012121-000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4131012121-000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4131012121-000_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](#)

English

[M12 PCB/Panel Connectors 8/12Pin](#)

English

Product Specifications

[Application Specification](#)

English