



M12 Connector

TE Internal #: T4130012021-000

Wire-to-Panel, 2 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular Connectors

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



Connector System: **Wire-to-Panel**  
Connector Mounting Type: **Panel Mount**  
Number of Positions: **2**  
Sealable: **Yes**  
Connector & Contact Terminates To: **Wire & Cable**

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

Features

Product Type Features

|                                   |                      |
|-----------------------------------|----------------------|
| Connector System                  | Wire-to-Panel        |
| Sealable                          | Yes                  |
| Connector & Contact Terminates To | Wire & Cable         |
| Circular Connector Type           | Plug                 |
| Shell Type                        | Metal                |
| Assembly Requirement              | Factory Assembled    |
| Circular Connector Shell Type     | Metal-Shell          |
| Connector Product Type            | Connector Assembly   |
| Assembly Type                     | Electrical Connector |

Mechanical Attachment

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



Configuration Features

|                                       |     |
|---------------------------------------|-----|
| Number of Positions                   | 2   |
| Number of Power Positions             | 0   |
| Number of Signal Positions            | 2   |
| Contacts Preloaded                    | Yes |
| Keying & Polarized Position Locations | A   |
| Factory Installed Backshell           | No  |

Contact Features

|                                 |     |
|---------------------------------|-----|
| Contact Current Rating (Max)    | 4 A |
| Reverse Gender                  | Yes |
| Circular Connector Contact Type | Pin |

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
| Shielded            | No     |

Body Features

|                                             |                   |
|---------------------------------------------|-------------------|
| Shell Plating Material                      | Nickel            |
| Shell Base Material                         | Copper Alloy      |
| Circular Connector Insulation Material Type | Polyamide 66 GF25 |
| Hermetically Sealed                         | Yes               |
| O-Ring Material                             | Silicone          |
| Environmental Protection                    | IP67              |
| Environmental Protection Type               | Elastomer Sealed  |
| Primary Product Color                       | Black             |
| Peripheral Seal Material                    | Silicone          |

Dimensions

|           |                           |
|-----------|---------------------------|
| Wire Size | .82 – .25 mm <sup>2</sup> |
|-----------|---------------------------|

Housing Features

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

Usage Conditions

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



Other

|                    |                           |
|--------------------|---------------------------|
| EU RoHS Compliance | Compliant with Exemptions |
| EU ELV Compliance  | Compliant with Exemptions |
| Field Serviceable  | No                        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (4% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                                                                                                                                                                                                                                                                                                          |
| 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 # T4110001021-000  
M12,FEMALE,STRAIGHT,A CODE,2P,PG7,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 #T4131012051-000  
M12 Panel Mount Solder Cups

TE Part #T4110001081-000  
M12 Field Installable Unshielded

TE Part #770986-1  
MINI UMNL SOK 26-22AWG SN LP

TE Part #770985-1  
MINI UMNL PIN 26-22AWG SN LP

### Documents

Product Drawings

M12,REAR MOUNT,MALE,A,2P,SOLDER WIRE

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_T4130012021-000\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_T4130012021-000\_B.3d\_stp.zip

English

Customer View Model



[ENG\\_CVM\\_CVM\\_T4130012021-000\\_B.2d\\_dxf.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](#)

[Application Specification](#)

English

[Agency Approvals](#)

[UL Report](#)

English