

T4131012031-000 ✓ ACTIVE



## M12 Connector

TE Internal #: T4131012031-000

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

[View on TE.com >](#)

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



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

Connector Mounting Type: **Panel Mount & Wire Mount**

Number of Positions: **3**

Sealable: **Yes**

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

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

## Features

### Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
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
Number of Positions	3



Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes

#### Electrical Characteristics

Operating Voltage	250 VDC
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#### Body Features

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

#### Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

#### Mechanical Attachment

Mating Retention Type	Threaded Coupling
Mating Alignment	With
Connector Mounting Type	Panel Mount & Wire Mount
Polarization Code	A
Mating Alignment Type	Keyed

#### Housing Features

Circular Connector Shell Size	18
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#### Dimensions

Wire Size	18 – 24 AWG
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#### Usage Conditions

IP Dust Sealing Level	6
IP Water Sealing Level	IP67



Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	No

### Industry Standards

UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Quantity	1
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### Other

Field Serviceable	Yes
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## 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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (4% in 8824918314) <b>Article Safe Usage Statements:</b> 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>

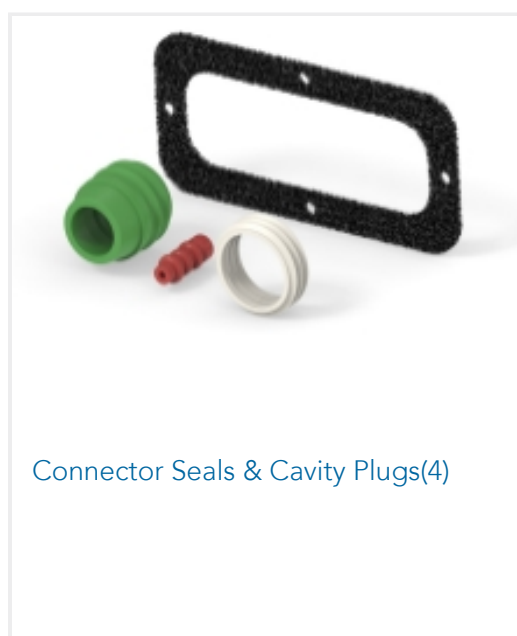
### Compatible Parts



### Also in the Series | M12 Connector



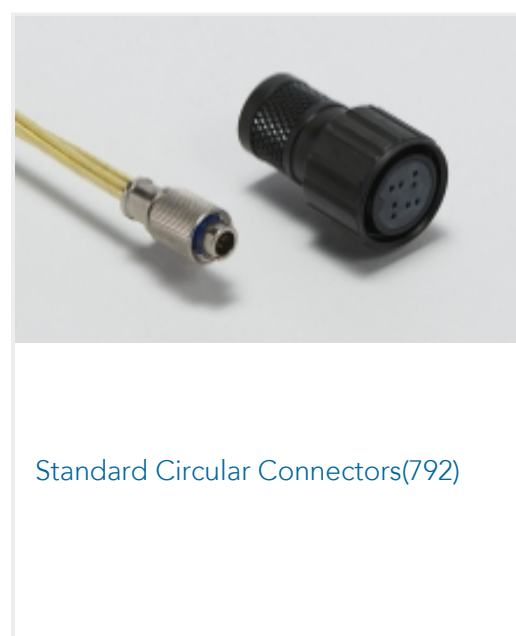
Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(792)

### Customers Also Bought



TE Part #T4111001031-000  
M12,MALE,STRAIGHT,A CODE,3P,  
PG7,GOLD



TE Part #CAT-C73765-M1G  
M12 Panel Mount Solder Cups



TE Part #1622913-1  
CRG0603 1% 30K

### Documents

#### Product Drawings

M12,REAR MOUNT,FEMALE,A,3P,SOLDER WIRE

English

#### CAD Files

3D PDF

3D

#### Customer View Model

ENG\_CVM\_CVM\_T4131012031-000\_B.2d\_dxf.zip

English



**Customer View Model**

[ENG\\_CVM\\_CVM\\_T4131012031-000\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_T4131012031-000\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

[M8 / M12 Connector System Catalog](#)

Japanese

[M8 / M12 Connector System Catalog](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL Report](#)

English

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