

M12 Connector

TE Internal #: T4141012051-000

Standard Circular Connectors, Wire-to-Panel, 5 Position, Sealable, Printed Circuit Board, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount PCB

Connector System: **Wire-to-Panel**Connector Mounting Type: **Panel Mount**Number of Positions: **5**Sealable: **Yes**Connector & Contact Terminates To: **Printed Circuit Board**[All M12 Panel Mount PCB \(111\)](#)**Features****Product Type Features**

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

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Keying	A
Number of Positions	5

Number of Power Positions

0

Number of Signal Positions

5

Contacts Preloaded

Yes

Electrical Characteristics

Operating Voltage

60 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)

4 A

Reverse Gender

Yes

Circular Connector Contact Type

Socket

Termination Features

Termination Method to Printed Circuit Board

Through Hole - Solder

Mechanical Attachment

Mating Retention Type

Threaded Coupling

Mating Alignment

With

Panel Mount Feature Type

Screw Nut

Connector Mounting Type

Panel Mount

Polarization Code

A

Mating Alignment Type

Keyed

Mating Retention

With

Housing Features

Circular Connector Shell Size

18

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
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Packaging Features

Packaging Quantity	1
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Other

Field Serviceable	No
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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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4% in Component Part) <small>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.</small>
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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



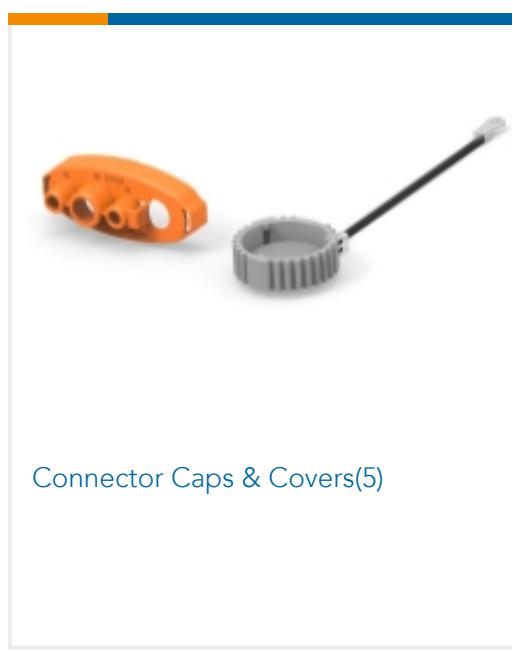
TE Part # T4111002051-000
M12,MALE,STRAIGHT,A CODE,5P,
PG9,GOLD



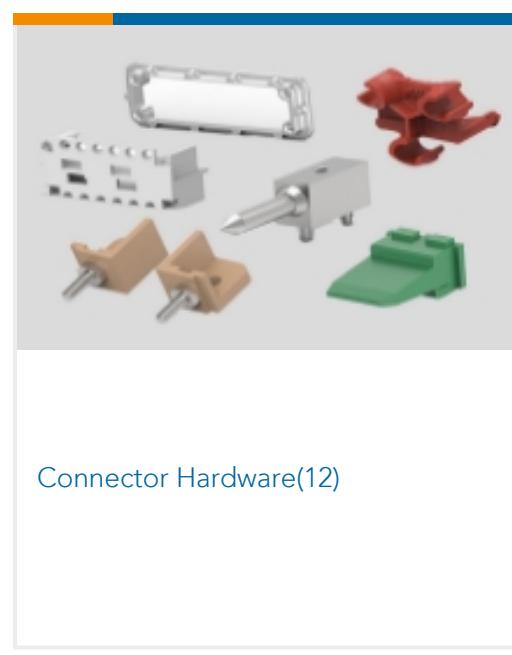
TE Part # T4191122200-000
STAINLESS DUST CAP FOR M12
FEMALE CONN.

Also in the Series

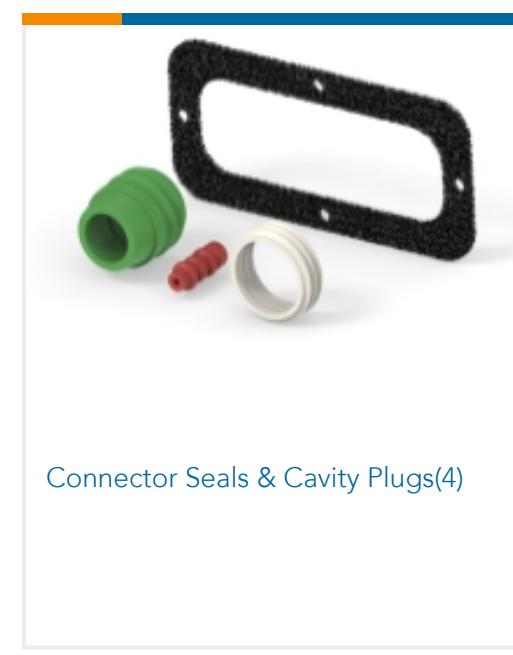
M12 Connector



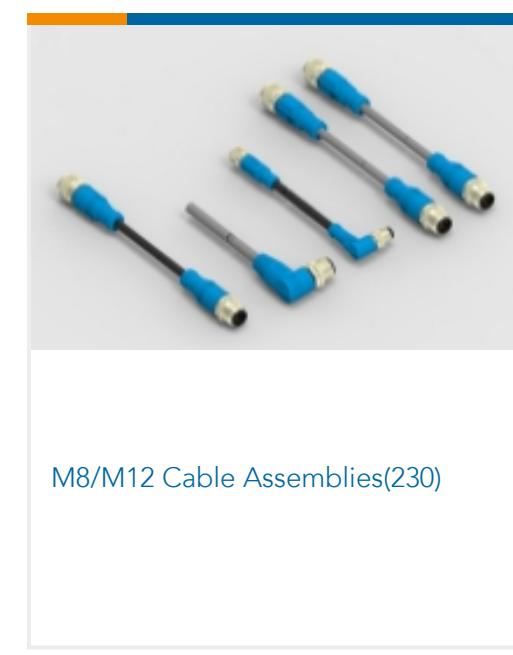
Connector Caps & Covers(5)



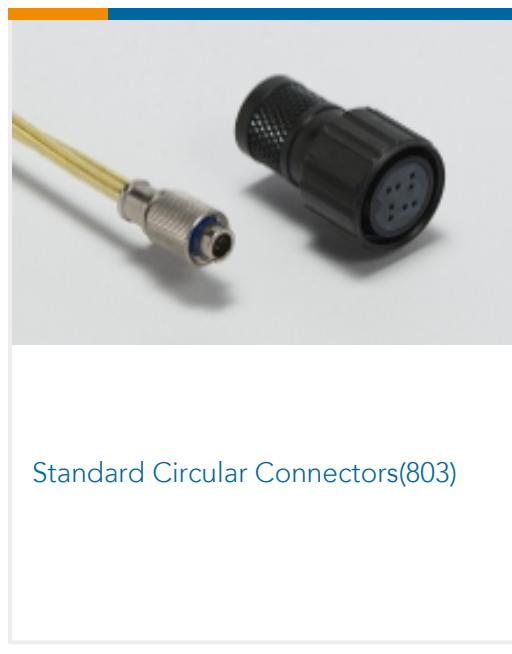
Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

Customers Also Bought



TE Part # T4140012041-000
M12 Panel Mount PCB



TE Part # 2-1622825-1
RL73K 3A R39 5% 1K RL



TE Part # 5787973-1
36.8MM CHAMP RCPT ASSY



TE Part # 2-2176350-2
CRGCQ 2512 3K3 5%



Documents

Product Drawings

M12,REAR MOUNTING,FEMALE,A CODE,5P

English

CAD Files

Customer View Model

[ENG_CVM_CVM_T4141012051-000_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4141012051-000_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4141012051-000_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