



**M12 Connector**

TE Internal #: T4144015051-000

M12 Connector, Standard Circular Connectors, Wire-to-Board, 5 Position, Sealable, Panel Mount, Reverse Gender, Nickel, Brass, A Polarization Code

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



Connector System: **Wire-to-Board**

Number of Positions: **5**

Sealable: **Yes**

Connector Mounting Type: **Panel Mount**

Reverse Gender: **Yes**

[All M12 Panel Mount PCB \(112\)](#)

**Features**

**Product Type Features**

Product Type	Connector
Accessory Color	Black
Prewired	No
Assembly Type	Electrical Connector
Connector System	Wire-to-Board
Sealable	Yes
Circular Connector Type	Plug
Shell Type	Plastic

**Configuration Features**

Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5



### Body Features

Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide GF

### Contact Features

Reverse Gender	Yes
Circular Connector Contact Type	Pin

### Mechanical Attachment

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

### Housing Features

Circular Connector Shell Size	12
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### Usage Conditions

IP Water Sealing Level	7
IP Dust Sealing Level	6
Operating Temperature Range	-40 – 85 °C, -40 – 85 °C[-40 – 185 °F][-40 – 185 °F]

### Operation/Application

Shielded	No
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Pb (3.7% in Component Part) <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	Not Low Halogen - contains Br or Cl > 900



ppm.

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 Model / Part # CAT-C73765-M1E  
M12 Field Installable Unshielded

### Also in the Series | M12 Connector

Circular Connector Adapters(2)

Standard Circular Connectors(513)

### Customers Also Bought

TE Model / Part #486635-000  
222K152-25-G13-0

TE Model / Part #ZPF000000000008179  
983-6K 28-42 P7 L

TE Model / Part #013996-000  
322W205-25-0

TE Model / Part #358279-000  
382C312-50-01-0



TE Model / Part #ZPF000000000001263  
097-0267-20



TE Model / Part #ZPF000000000001259  
097-0266-20



TE Model / Part #ZPF000000000001224  
097-0104-16



TE Model / Part #620080N004  
D-108-12CS948



TE Model / Part #ZPF0000000000017171  
DTS 26 K 25-04 BA



TE Model / Part #ZPF9000000000008639  
983-6S 18-08 PN-L-A1263

## Documents

### Product Drawings

[M12 R/A M PNL REAR A-CODE 5P PCBSTD](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_T4144015051-000\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4144015051-000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4144015051-000\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

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[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English