

T4143412021-000 ✓ ACTIVE



## M12 Connector

TE Internal #: T4143412021-000

M12 Connector, Standard Circular Connectors, Wire-to-Panel, 2 Position, Sealable, Printed Circuit Board, 4A Contact Current Rating (Max), Signal

[View on TE.com >](#)

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



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

Number of Positions: **2**

Sealable: **Yes**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **4 A**

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

## Features

### Product Type Features

Prewired	No
Product Type	Connector
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	B
Factory Installed Backshell	No
Keying	B



Number of Positions	2
Number of Power Positions	0
Number of Signal Positions	2
Contacts Preloaded	Yes

### Electrical Characteristics

Operating Voltage	250 VAC
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### 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	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25

### Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	No
Circular Connector Contact Type	Socket

### Mechanical Attachment

Mating Retention Type	Threaded Coupling
Mating Alignment	With
Polarization Code	B
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 – 85 °C[-40 – 185 °F][-40 – 185 °F]



### Operation/Application

Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	No

### 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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Pb (4% in Alloy in Copper) <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 Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

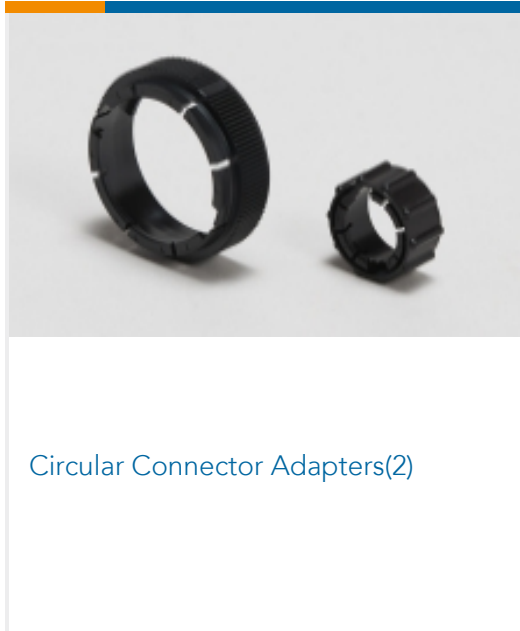
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

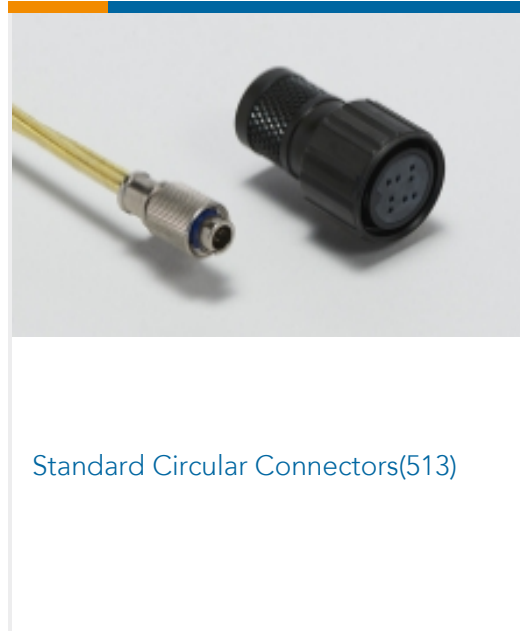


TE Model / Part # CAT-C73765-M1E  
M12 Field Installable Unshielded

### Also in the Series | M12 Connector



Circular Connector Adapters(2)



Standard Circular Connectors(513)

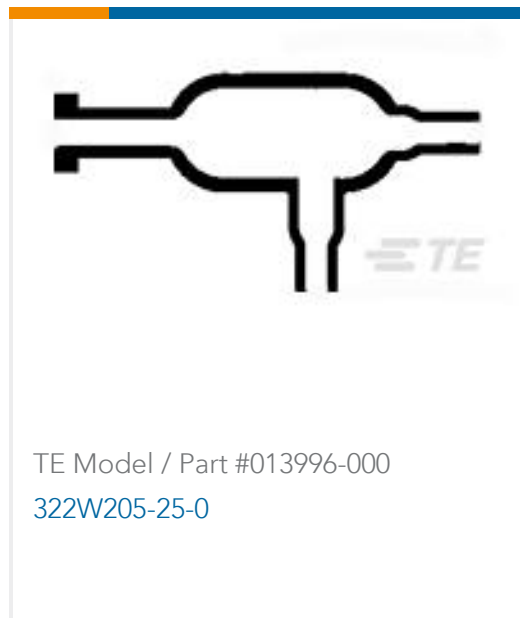
### Customers Also Bought



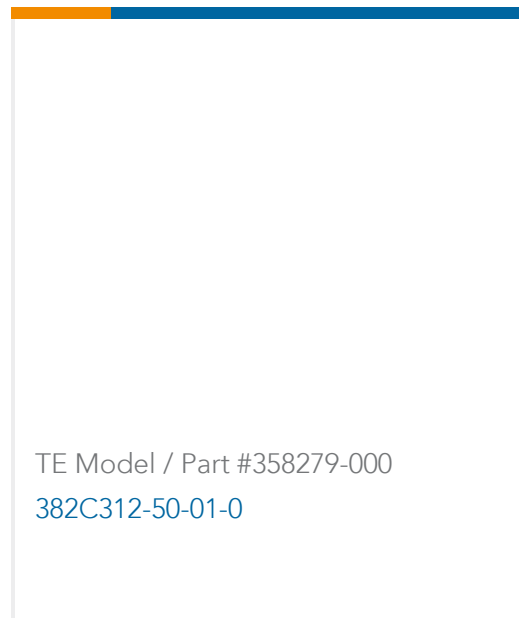
TE Model / Part #486635-000  
222K152-25-G13-0



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



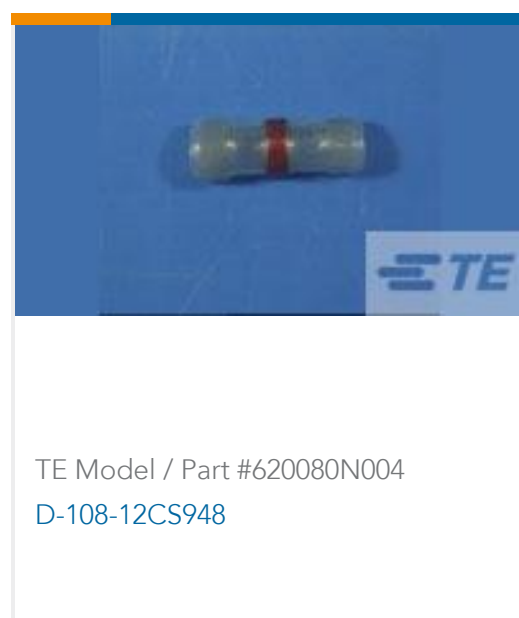
TE Model / Part #ZPF000000000001263  
097-0267-20



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,FRONT MOUNTING,FEMALE,B CODE,2P](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_T4143412021-000\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4143412021-000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4143412021-000\\_A.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](#)

English

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### Product Specifications

[Application Specification](#)

English