

2351415-4 ✓ ACTIVE



## M12 Connector

TE Internal #: 2351415-4

8 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Nickel, Copper Alloy, A Code, Nylon, Hermetically Sealed, M12 Connector

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 8

Connector System: **Cable-to-Cable**

Sealable: **Yes**

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

Contact Current Rating (Max): **2 A**

## 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	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Metal

### Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	With
Number of Positions	8
Number of Power Positions	0



Number of Signal Positions	8
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Contacts Preloaded	No
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### Electrical Characteristics

Operating Voltage	30 VDC
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### Body Features

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

Contact Current Rating (Max)	2 A
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Circular Connector Contact Type	Pin
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### Mechanical Attachment

Mating Retention Type	Threaded Coupling
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Mating Alignment	With
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Polarization Code	A
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Mating Alignment Type	1 Key
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### Housing Features

Circular Connector Shell Size	20
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### Dimensions

Wire Size	26 – 22 AWG
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### Usage Conditions

IP Dust Sealing Level	6
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IP Water Sealing Level	IP67
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Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Durability Rating	100 Cycles
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Circuit Application	Signal
Shielded	Yes

**Industry Standards**

UL Flammability Rating	UL 94V-0
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**Other**

Field Serviceable	Yes
Position Locations Omitted	0

**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 (3.5% in 74024568) <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 reviewed for solder process capability

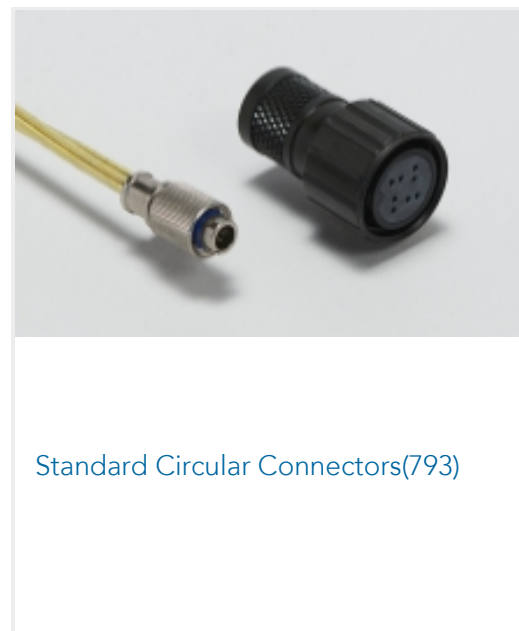
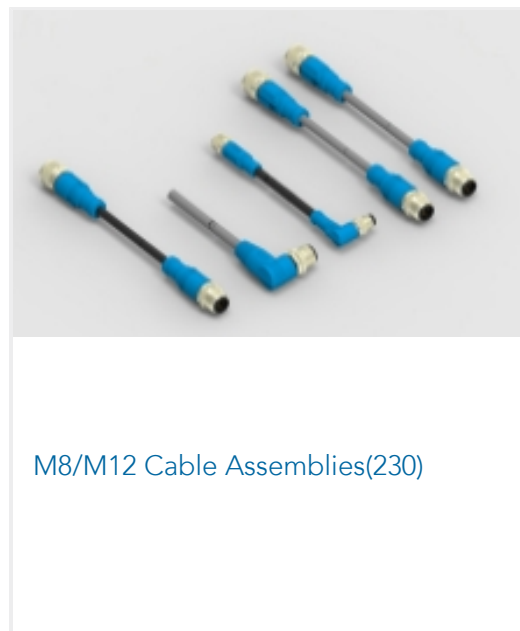
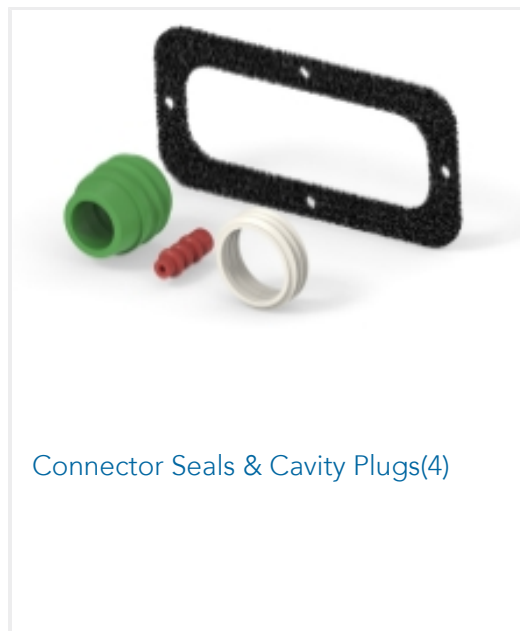
**Product Compliance Disclaimer**

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>

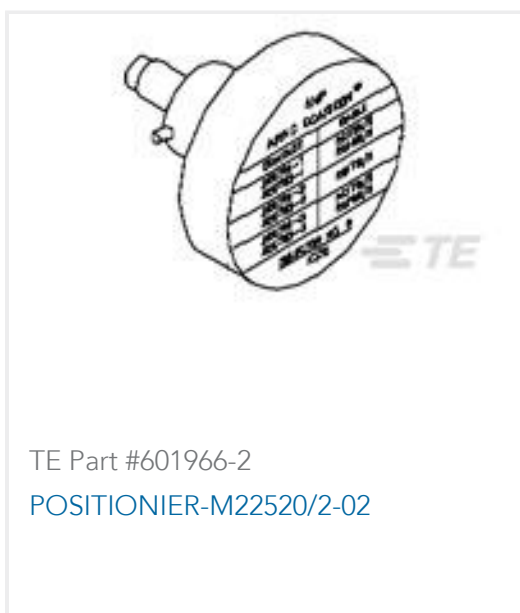
**Compatible Parts**



### Also in the Series | M12 Connector



### Customers Also Bought



### Documents

#### Product Drawings

M12 MALE,A8 CODE,STR CONNECTOR, PG9 SEAL

English

#### CAD Files

3D PDF

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_2351415-4\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2351415-4\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2351415-4\\_A.3d\\_stp.zip](#)

English

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

**Product Specifications**

[Product Specification](#)

English

[Application Specification](#)

English