



**M12 Connector**

TE Internal #: T4141010054-001

Standard Circular Connectors, Wire-to-Panel, 5 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



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

Connector Mounting Type: **Panel Mount**

Number of Positions: **5**

Sealable: **Yes**

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

**Features**

**Product Type Features**

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal

**Configuration Features**

Number of Positions	5
Number of Power Positions	0



Number of Signal Positions	5
----------------------------	---

Contacts Preloaded	Yes
--------------------	-----

### Body Features

Shell Plating Material	Nickel
------------------------	--------

Shell Base Material	Copper Alloy
---------------------	--------------

Circular Connector Insulation Material Type	Polyamide GF
---	--------------

Hermetically Sealed	Yes
---------------------	-----

### Contact Features

Contact Current Rating (Max)	4 A
------------------------------	-----

Reverse Gender	Yes
----------------	-----

Circular Connector Contact Type	Socket
---------------------------------	--------

### Mechanical Attachment

Connector Mounting Type	Panel Mount
-------------------------	-------------

Polarization Code	A
-------------------	---

Mating Alignment Type	Keyed
-----------------------	-------

### Housing Features

Circular Connector Shell Size	18
-------------------------------	----

### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
-----------------------------	---------------------------

### Operation/Application

Circuit Application	Signal
---------------------	--------

Shielded	No
----------	----

### Industry Standards

UL Flammability Rating	UL 94HB
------------------------	---------

### 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: JUNE 2024 (241)
--	--



Candidate List Declared Against: JAN 2024  
(240)

SVHC > Threshold:

Pb (4% in Component Part)

**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.

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

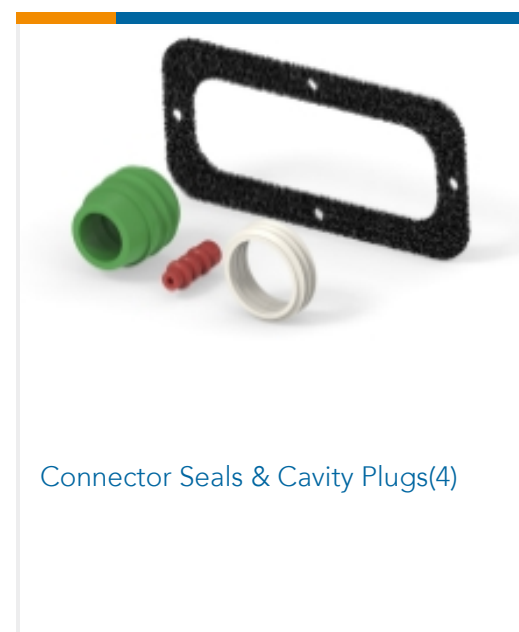
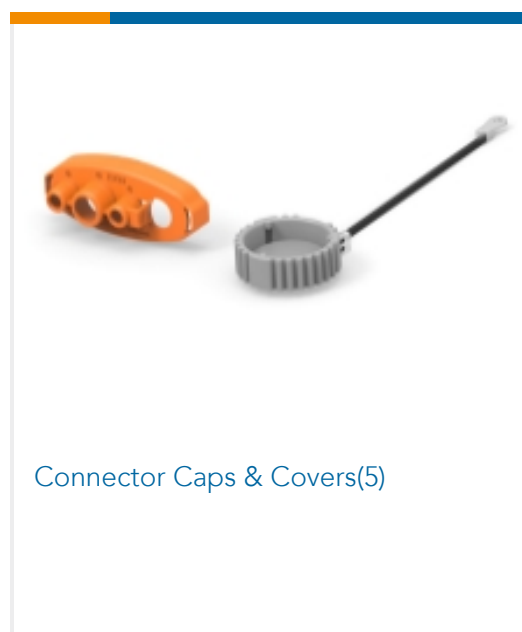
**Product Compliance Disclaimer**

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





Standard Circular Connectors(803)

### Customers Also Bought



TE Part #1617807-5  
FC-335-SY8= RELAY, 3PST



TE Part #1616058-6  
A703CD (FAA/PMA)=RELAY



TE Part #CX1369-000  
BSTS/BSTS-FR Heat Shrink Tubing



TE Part #ZPF000000000001261  
097-0267-16 A1267



TE Part #1617147-5  
JMGAP-26P = M39016/17-030P



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



TE Part #ZPF000000000007174  
983-0RS 08-98 PN



TE Part #YDTS20Y13-98XNV001  
HERM RECP

### Documents

#### Product Drawings

[RPC-M12-FF-5CON-M17P-LBUS](#)

English

#### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_T4141010054-001\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4141010054-001\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4141010054-001\\_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