# T4141010054-000 ✔ ACTIVE

M12 Connector

TE Internal #: T4141010054-000

Wire-to-Panel, Circular Connector Receptacle, 5 Position, Shell Size 18, Sealable, Wire & Cable, Signal, Panel Mount & Board Mount, M12 Connector

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors



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

Connector Mounting Type: **Panel Mount & Board Mount**

Number of Positions: **5**

Sealable: **Yes**

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

## Features

### Product Type Features

| | |
|---|---|
| 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 | Circular Connector 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

| | |
|---|---|
| Primary Product Color | Black |
| 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 & Board 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 | 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250) |

| | |
|---|---|
| | SVHC > Threshold:<br>Pb (3.64% in 10694105106)<br>**Article Safe Usage Statements:**<br>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 < 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

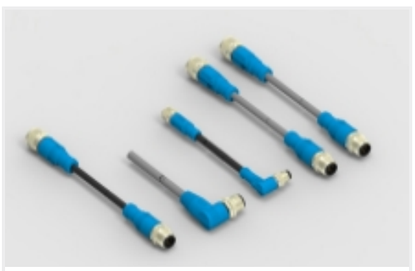
## Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(792)

## Customers Also Bought

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



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



TE Part #ZPF000000000001261
097-0267-16 A1267



TE Part #CAT-HST-BSTS
BSTS/BSTS-FR Heat Shrink Tubing



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



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



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



TE Part #YDTS20Y13-98XNV001
HERM RECP

## Documents

### Product Drawings

RPC-M12-FF-5CON-M17P-LBU

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4141010054-000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4141010054-000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4141010054-000_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