# T4141L12051-001 ✔ ACTIVE

M12 Connector

TE Internal #: T4141L12051-001

Wire-to-Panel, Circular Connector Receptacle, 4 Position, Shell Size 18, Sealable, Wire & Cable, Power, 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: **4**

Sealable: **Yes**

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

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

### Configuration Features

| | |
|---|---|
| Factory Installed Backshell | Without |
| Number of Positions | 4 |
| Number of Power Positions | 4 |
| Number of Signal Positions | 0 |

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

## Body Features

| | |
|---|---|
| Product Weight | 22 g[.776 oz] |
| O-Ring Material | Silicone |
| Positive Stop Ferrule | Without |
| Entry Style | Rear Insertion |
| Environmental Protection | IP67 |
| Environmental Protection Type | Sealed |
| Primary Product Color | Black |
| Peripheral Seal Material | Silicone |
| Fluid Type | None |
| Shell Plating Material | Nickel |
| Shell Base Material | Copper Alloy |
| Circular Connector Insulation Material Type | LCP (Liquid Crystal Polymer) |
| Hermetically Sealed | Yes |

## Contact Features

| | |
|---|---|
| Contact Quantity (Size 16) | 5 |
| Contact Current Rating (Max) | 16 A |
| Reverse Gender | Yes |
| Circular Connector Contact Type | Socket |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature Type | Flange |
| Mating Alignment | Without |
| Connector Mounting Type | Panel Mount & Board Mount |
| Mating Alignment Type | Keyed |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Panel Thickness (Recommended) | 1.5 – 3.2 mm[.071 – .126 in] |

## Usage Conditions

| | |
|---|---|
| IP Dust Sealing Level | 6 |
| IP Water Sealing Level | IP67 |

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

### Operation/Application

| | |
|---|---|
| Durability Rating | 100 Cycles |
| Circuit Application | Power |
| Shielded | No |

### Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |
| Compatible With Approved Standards Products | UL E28476 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 1 |

### Other

| | |
|---|---|
| Field Serviceable | Yes |

## 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 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Pb (4% in Component Part)<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

## Compatible Parts

TE Part # T41625B9L15-001
RPC-M12L-5MS-0.5-5FS-SH PUR 14AWG BK



TE Part # CAT-SI113-M1ZM
M12 L-code 5pin male straight to female right angle, polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZQ
M12 L-code 5pin male straight to female straight, polyurethane gray 16 AWG



TE Part # CAT-SI113-M1ZD
M12 L-code 5pin male right angle pigtail, shielded polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZG
M12 L-code 5pin male straight pigtail, shielded polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZL
M12 L-code 5pin male right angle pigtail, polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZJ
M12 L-code 5pin male right angle to female straight, shielded polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZF
M12 L-code 5pin male straight pigtail, polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZZM
M12 L-code 5pin male straight pigtail, PVC gray 14 AWG



TE Part # CAT-SI113-M1ZI
M12 L-code 5pin male right angle to female straight, polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZZL
M12 L-code 5pin male right angle pigtail, PVC gray 14 AWG



TE Part # CAT-SI113-M1ZZP
M12 L-code 5pin male straight to female straight, PVC gray 14 AWG



TE Part # T4140L12051-002
M12,REAR,MALE,L,4P+PE,LONGER, POTTING PCB



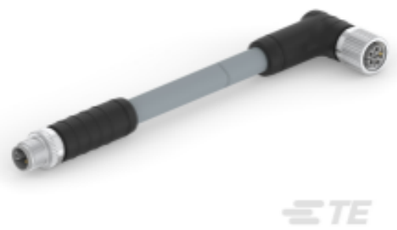
TE Part # CAT-SI113-M1ZH
M12 L-code 5pin male straight pigtail, polyurethane gray 16 AWG



TE Part # CAT-SI113-M1ZN
M12 L-code 5pin male straight to female right angle, polyurethane gray 16 AWG



TE Part # CAT-SI113-M1ZO
M12 L-code 5pin male straight to female straight, polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZZO
M12 L-code 5pin male straight to female right angle, PVC gray 14 AWG



TE Part # CAT-SI113-M1ZC
M12 L-code 5pin male right angle pigtail, polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZP
M12 L-code 5pin male straight to female straight, shielded polyurethane gray 14 AWG



TE Part # CAT-SI113-M1ZK
M12 L-code 5pin male right angle to female straight, polyurethane gray 16 AWG

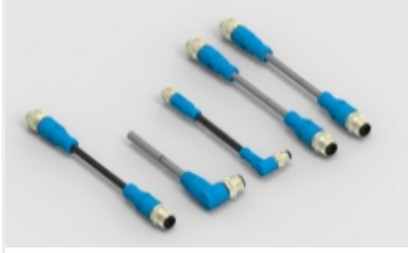
## Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(792)

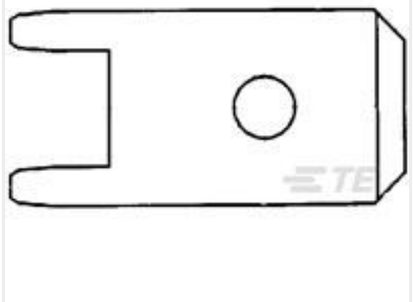
## Customers Also Bought



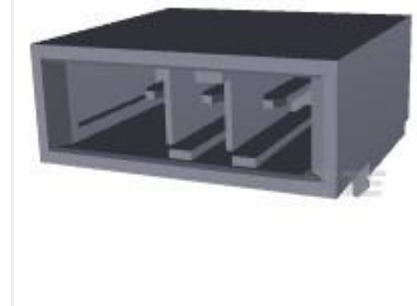
TE Part #T4141512041-001
M12,REAR MOUNTING,FEMALE,D CODE,4P



TE Part #T4141012051-001
M12,REAR MOUNTING,FEMALE,A CODE,5P



TE Part #170267-1
250 FASTON,PCB TAB,TCBR



TE Part #1-178138-2
DYNAMIC 3200 HDR H 3P ASSY Au



TE Part #1376135-1
DYNAMIC D2100 HDR H ASSY 3P X



TE Part #2108923-1
External Ant., SMA, Wi-Fi 6E(Black)



TE Part #2108923-2
External Ant., SMA, Wi-Fi 6E(White)



TE Part #2108936-2
Terminal Antenna, RP SMA, WLAN Dual Band



TE Part #5145154-4
STANDARD EDGE .050 SERIES 60 DUAL ASSY



TE Part #6116526-1
MJ ASSY,8POS,R/A,SHLD,CAT5e

# Documents

## Product Drawings

M12,REAR MT,F,L,4P+PE,LONGER,SOLDER PCB

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_T4141L12051-001_B.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_T4141L12051-001_B.3d_stp.zip

English

### Customer View Model

ENG_CVM_CVM_T4141L12051-001_B.2d_dxf.zip

English

### 3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Product Specifications

### Application Specification

English

## Agency Approvals

### UL

English