T4141L12031-001 ✔ ACTIVE

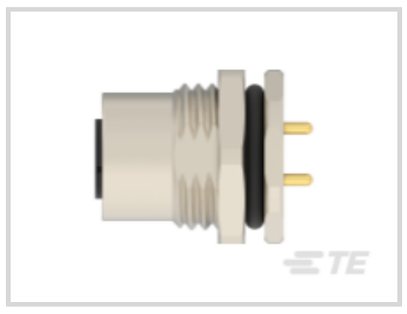
M12 Connector

TE Internal #: T4141L12031-001

Wire-to-Panel, Circular Connector Receptacle, 3 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: **3**

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	3
Number of Power Positions	3
Number of Signal Positions	0

Contacts Preloaded	Yes

Body Features

Product Weight	17.6 g[.6208 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)	3
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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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 < 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

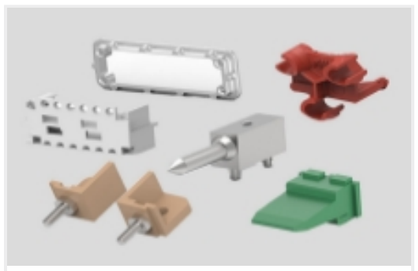
materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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 # T4140L12031-001
M12,REAR MT,M,L,2P+PE,LONGER, SOLDER PCB

Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



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



TE Part #ZPF000000000001261
097-0267-16 A1267



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

Documents

Product Drawings

M12,REAR MT,F,L,2P+PE,LONGER,SOLDER PCB

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4141L12031-001_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4141L12031-001_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4141L12031-001_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