# T4141L12051-000 - ACTIVE

#### M12 Connector

TE Internal #: T4141L12051-000 Standard Circular Connectors, Wire-to-Panel, 5 Position, Sealable, Printed Circuit Board, Power, Panel Mount, Nickel, Brass, M12 Connector

#### View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount PCB



Connector System: Wire-to-Panel Number of Positions: 5 Sealable: Yes Connector & Contact Terminates To: Printed Circuit Board Contact Current Rating (Max): 16 A

## All M12 Panel Mount PCB (111)



# Features

Prod	uct <sup>-</sup>	Гуре	Feature	S
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Prewired	No
Product Type	Connector Assembly
Accessory Color	Black
Assembly Type	Electrical Connector
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Receptacle
Shell Type	Metal
Configuration Features	
Factory Installed Backshell	Without
Number of Positions	5
Number of Power Positions	4

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Number of Signal Positions	0
Body Features	
Peripheral Seal Material	Silicone
Positive Stop Ferrule	Without
Environmental Protection	IP67
Weight	16 g[.0629 lb]
O-Ring Material	Silicone
Environmental Protection Type	Sealed
Entry Style	Rear Insertion
Fluid Type	None
Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	LCP (Liquid Crystal Polymer)
Contact Features	
Contact Quantity (Size 16)	5
Contact Current Rating (Max)	16 A

Circular Connector Contact Type

Socket

### **Termination Features**

Termination Method to Wire & Cable	Solder
Mechanical Attachment	
Mating Alignment	Without
Panel Mount Feature Type	Flange
Connector Mounting Type	Panel Mount
Housing Features	
Circular Connector Shell Size	18
Dimensions	
	.071 – .126 in
Usage Conditions	
Fluid Resistance	None
IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

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#### **Operation/Application**

Durability Rating	100 Cycles
Circuit Application	Power
Shielded	No
Industry Standards	
UL Flammability Rating	UL 94 V-0
Approved Standards	UL Recognized
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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (1.9% in Component Part) Aticle 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

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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 # T4140L12051-000 M12,REAR MOUNT,MALE,L,4P+PE, SOLDER PCB



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

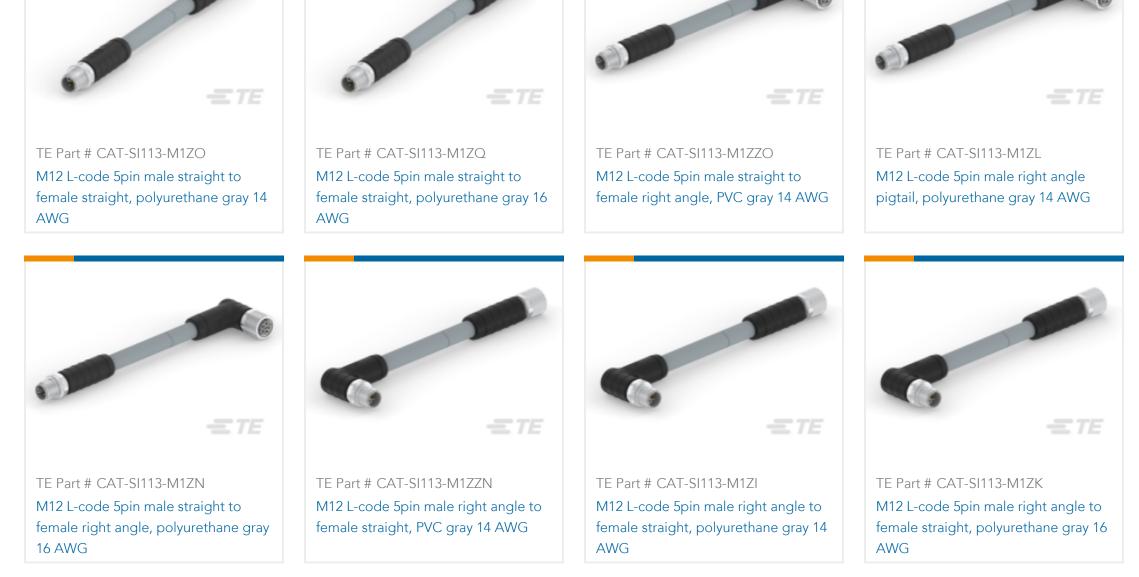


TE Part # CAT-SI113-M1ZF M12 L-code 5pin male straight pigtail, polyurethane gray 14 AWG



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



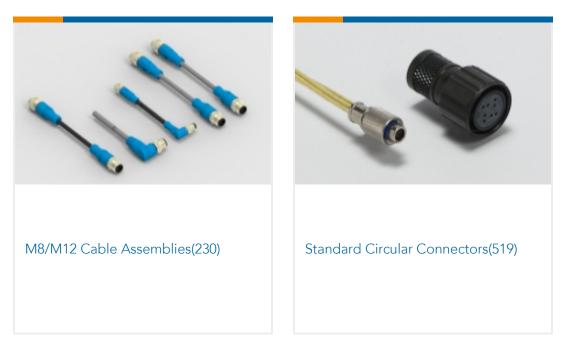


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# Also in the Series | M12 Connector



# Customers Also Bought





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# Documents

Product Drawings M12,REAR MOUNT,FEMALE,L,4P+PE,SOLDER PCB

English

#### **CAD** Files

Customer View Model ENG\_CVM\_CVM\_T4141L12051-000\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_T4141L12051-000\_B.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_T4141L12051-000\_B.2d\_dxf.zip

English

#### 3D PDF

3D

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

#### Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

#### M12 POWER L-CODE PANEL MOUNT PCB CONNECTORS

English

Product Specifications Application Specification

English

### **Product Environmental Compliance**

Product Compliance

English

**Product Compliance** 

English

#### Agency Approvals

UL

English