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

Product Type Features

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) 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

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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

TE Part # CAT-SI113-M1ZZL
M12 L-code 5pin male right angle pigtail, 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-M1ZE
M12 L-code 5pin male right angle pigtail, polyurethane gray 16 AWG

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

TE Part # CAT-SI113-M1ZO
M12 L-code 5pin male straight to female straight, 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-M1ZZO
M12 L-code 5pin male straight to female right angle, PVC gray 14 AWG

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

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

TE Part # CAT-SI113-M1ZZN
M12 L-code 5pin male right angle to female straight, 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-M1ZK
M12 L-code 5pin male right angle to female straight, polyurethane gray 16 AWG

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TE Part # CAT-SI113-M1ZG

M12 L-code 5pin male straight pigtail, shielded polyurethane gray 14 AWG

TE Part # CAT-SI113-M1ZD

M12 L-code 5pin male right angle pigtail, shielded 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-M1ZM

M12 L-code 5pin male straight to female right angle, polyurethane gray 14 AWG

Also in the Series | M12 Connector

M8/M12 Cable Assemblies(230)

Standard Circular Connectors(519)

Customers Also Bought

TE Part #T4041017041-000

M8.FMLE.PNLREAR.4POS.STR PCB

TE Part #T4140012121-000

M12 Panel Mount PCB

TE Part #T4112011051-000

M12 F, 5P GOLD A_CODE RA SHIELDED PG7

TE Part #T4111011051-000

M12 M, 5P GOLD A_CODE S SHIELDED PG7

TE Part #3-87631-5

40 MODIV HSG COMP DR .100 POL

TE Part #1-1326032-1

2.8MM RECP,SEAL,14AWG,REV REEL

TE Part #T4110012041-000

M12 F, 4P GOLD A_CODE S SHIELDED PG9

TE Part #184006-2

2 POS. PLUG ASSY, KEY D, GRAY

TE Part #184095-2

RECPT, CONTACT .070, PTPPHBZ

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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