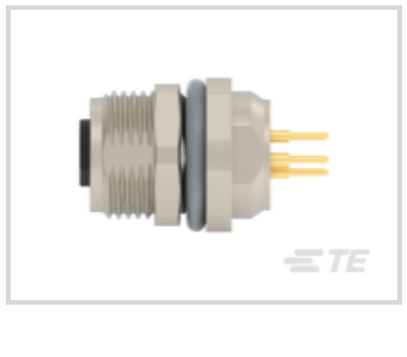
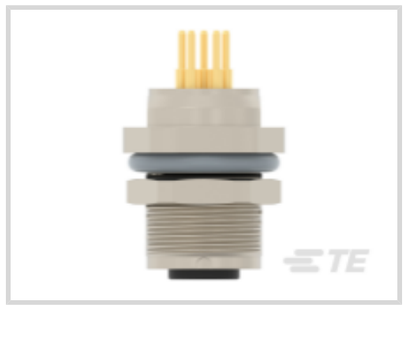
T4041417051-001 ✔ ACTIVE

TE Internal #: T4041417051-001

Cable-to-Panel, Circular Connector Plug, 5 Position, Shell Size 12, Sealable, Printed Circuit Board, Signal, Reverse Gender, Nickel, Copper Alloy

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors


Connector System: **Cable-to-Panel**

Number of Positions: **5**

Sealable: **Yes**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **3 A**

Features

Product Type Features

Assembly Type	Electrical Connector
Connector Product Type	Connector Assembly
Connector System	Cable-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Circular Connector Plug
Shell Type	Metal

Configuration Features

Factory Installed Backshell	No
Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	60 VDC

Body Features

O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone
Environmental Protection	IP67
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25

Contact Features

Contact Current Rating (Max)	3 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin

Mechanical Attachment

Polarization Code	B
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	12

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0

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: JUNE 2025 (250) SVHC > Threshold: Pb (4% in Component) **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

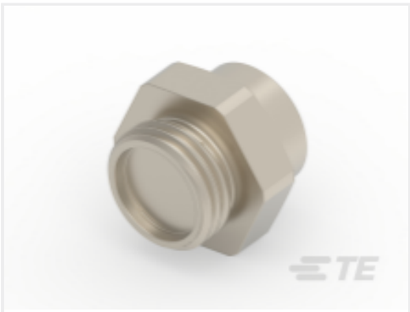
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # CAT-J37-MMC85
M8 Pigtail Cable Assembly: Straight, 5 Pin, Single Ended

Customers Also Bought



TE Part #254154-E
M8 METAL SHELL, FEMALE, VERT, 9MM



TE Part #T4140L12051-001
M12,REAR,MALE,L,4P+PE,LONGER, SOLDER PCB



TE Part #T4152599L14-002
RPC-M12L-4MS-1.0-4FS-PVC 14AWG BK



TE Part #T4141012051-000
M12,REAR MOUNTING,FEMALE,A CODE,5P

TE Part #T4051170405-001
M8 MALE CORDSET,5PIN,ST,UN-SH, CP, 0.5M

TE Part #63971-1
250 FASTON TAB TPBR

TE Part #1217057-1
187 FASTON,PCB TAB,TPBR

TE Part #5-1393302-2
V23134A0053G243-EV-CBOX



TE Part #2-1415899-3
RZ03-1C4-D024



TE Part #2430084-1
EMI Fan Vent 40mm

Documents

Product Drawings

M8.FMLE.PNLREAR.5POS.STR PCB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4041417051-001_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4041417051-001_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4041417051-001_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

Agency Approvals

UL

English