T4141010054-001 ✔ ACTIVE

M12 Connector

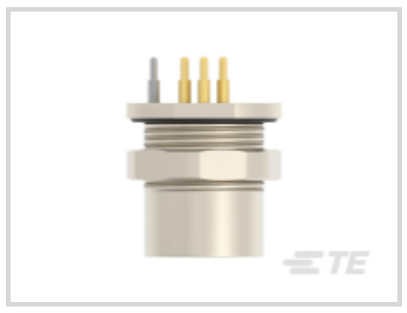
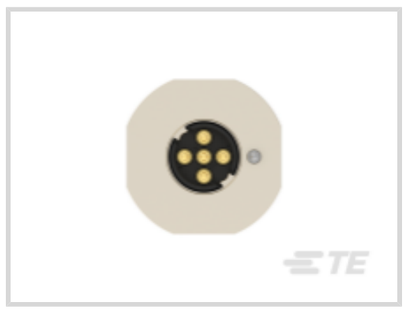
TE Internal #: T4141010054-001

Wire-to-Panel, Circular Connector Receptacle, 5 Position, Shell Size 18, Sealable, Wire & Cable, Signal, 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: **5**

Sealable: **Yes**

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

Features

Product Type Features

Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Circular Connector Receptacle
Shell Type	Metal

Configuration Features

Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes

Body Features

Primary Product Color	Black
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide GF
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Panel Mount & Board Mount
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	18

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94HB

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) Candidate List Declared Against: JUNE 2025 (250)

	SVHC > Threshold: Pb (4% in 74024580) **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

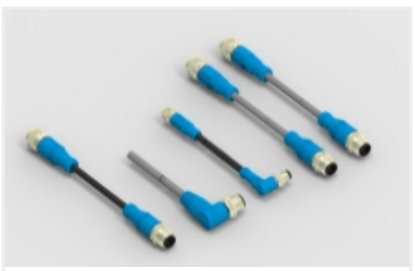
Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(792)

Customers Also Bought



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

TE Part #358279-000
382C312-50-01-0



TE Part #ZPF000000000007174
983-0RS 08-98 PN



TE Part #ZPF000000000001261
097-0267-16 A1267



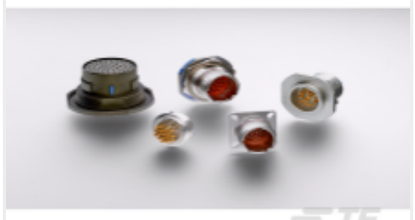
TE Part #1616058-6
A703CD (FAA/PMA)=RELAY



TE Part #1617147-5
JMGAP-26P = M39016/17-030P



TE Part #1617807-5
FC-335-SY8= RELAY, 3PST



TE Part #YDTS20Y13-98XNV001
HERM RECP

Documents

Product Drawings

RPC-M12-FF-5CON-M17P-LBUS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4141010054-001_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4141010054-001_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4141010054-001_A.3d_stp.zip

English

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Product Specifications

Application Specification

English