T4111001041-000 ✔ ACTIVE

M12 Connector

TE Internal #: T4111001041-000

TE Internal Description: RPC-M12-MS-4CON-PG7-MU

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors





Product Type: **Connector**

Connector System: **Wire-to-Wire**

Number of Positions: **4**

Sealable: **Yes**

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

Features

Product Type Features

Prewired	No
Accessory Color	Black
Assembly Type	Electrical Connector
Product Type	Connector
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Shell Size	20
Shielded	No
Connector Style	Plug
Shell Type	Plastic

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Keying	A

Number of Positions	4
Number of Power Positions	0
Number of Signal Positions	4
Preloaded	Yes

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Feedthrough Type	Yes
Shell Material	PBT
Insulation Material	Polyamide 66 GF25

Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	Standard
Contact Type	Male Contact

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Flange	Without
Mating Alignment	With
Polarization Code	A
Mating Alignment Type	Keyed

Dimensions

Wire Size	.82 – .2 mm²

Usage Conditions

IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C, -40 – 85 °C[-104 – 185 °F]

Operation/Application

Durability Rating	100 Cycles

Circuit Application	Signal

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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Pb (1.12% in Component)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable 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 Model / Part # CAT-C73765-M1E
M12 Field Installable Unshielded

TE Model / Part # CAT-C73765-M1G
M12 Panel Mount Solder Cups

TE Model / Part # CAT-C73765-M1H
M12 Panel Mount PCB

TE Model / Part # 1838275-2
M12 Fld Ser CONN. Male Pin Sld

TE Model / Part # 1838277-2
M12 Plas Fld Ser CONN. Male Pin Sldr

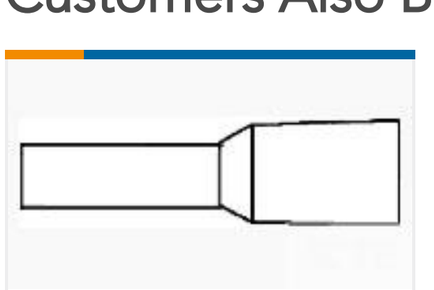
TE Model / Part # CAT-C73765-M1F
M12 Panel Mount Wire

Also in the Series | M12 Connector

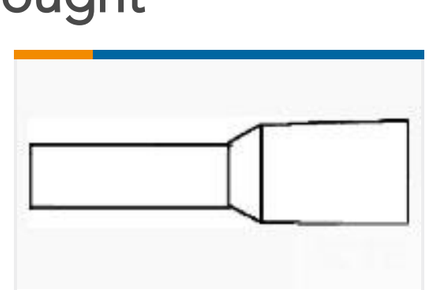
Circular Connector Adapters(2)

Standard Circular Connectors(505)

Customers Also Bought



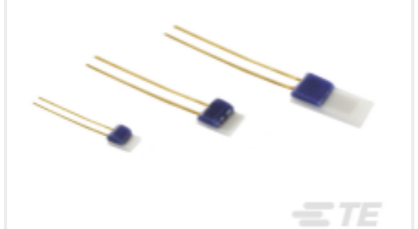
TE Model / Part #966066-5
ADERENDHUELSE N GR



TE Model / Part #966066-1
ADERENDHUELSE N BL

TE Model / Part #1-1623708-2
RGP0207CH 10% 1G0

TE Model / Part #5-1634500-1
BNC Str Plg Hex 50Ohm Nickel Plated RG17



TE Model / Part #NB-PTCO-157
PTFC102B1A0:PT1000,2.0X2.3,B

TE Model / Part #NB-PTCO-002
PTFC101B1G0:PT100,2.0X2.3,B

Documents

Product Drawings

RPC-M12-MS-4CON-PG7-MU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4111001041-000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4111001041-000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4111001041-000_A.3d_stp.zip

English

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

Product Specifications

Product Specification

English

M12 screw connection application specification

English

Product Environmental Compliance

REACH Substance Communication Document

English