

T4145035041-001 ✓ ACTIVE



M12 Connector

TE Internal #: T4145035041-001

M12 Connector, Standard Circular Connectors, Wire-to-Board, 4 Position, Sealable, Panel Mount, Nickel, Brass, A Polarization Code, Polyamide GF

[View on TE.com >](#)

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



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

Number of Positions: **4**

Sealable: **Yes**

Connector Mounting Type: **Panel Mount**

Reverse Gender: **No**

[All M12 Panel Mount PCB \(112\)](#)

Features

Product Type Features

Product Type	Connector
Accessory Color	Black
Prewired	No
Assembly Type	Electrical Connector
Connector System	Wire-to-Board
Sealable	Yes
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Number of Positions	4
Number of Power Positions	0
Number of Signal Positions	4



Body Features

Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide GF

Contact Features

Reverse Gender	No
Circular Connector Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	12
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Usage Conditions

IP Water Sealing Level	7
IP Dust Sealing Level	6
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Shielded	Yes
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Industry Standards

UL Flammability Rating	UL 94HB
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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 2022 (223) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (3.7% 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

Not Yet Reviewed for halogen content

Solder Process Capability

Not applicable for solder process capability

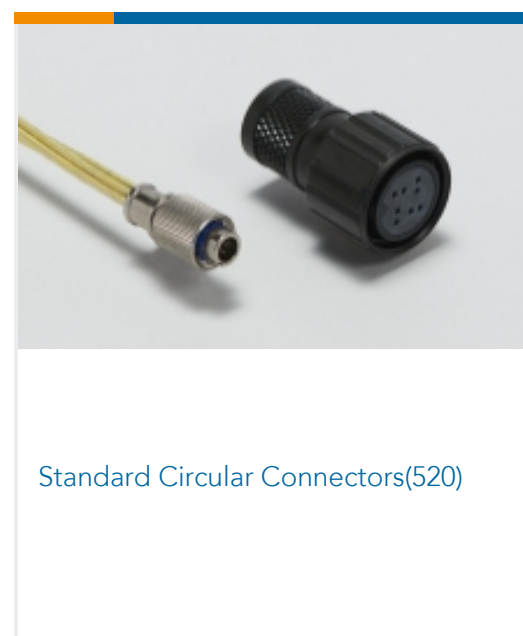
Product Compliance Disclaimer

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 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>

Compatible Parts



Also in the Series | M12 Connector



Customers Also Bought



TE Part #1-6609028-5
10VK7=F7145 S0



TE Part #350432-4
09P UMNL PIN HDR ASSY NATL LF



TE Part #2-1625875-6
CBT 1/4 5% 330R



TE Part #2-1445050-8
MICRO MNL HDR ASSY S/ROW LF



TE Part #1-103653-4
15 MTE SHRD PIN HSG SR LATCH



TE Part #5-2176345-5
CRGCQ 1210 330K 1%



TE Part #EN3750-631
TCSS-6-U



TE Part #EG8787-000
400R0111-10-9

Documents

Product Drawings

M12 R/A F PNL STAMPED PIN A-CODE 4P SHLD

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_T4145035041-001_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4145035041-001_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4145035041-001_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)



English