



M12 Connector

TE Internal #: T4145015031-001

Wire-to-Panel, 3 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular Connectors

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



Connector System: **Wire-to-Panel**
Connector Mounting Type: **Panel Mount**
Number of Positions: **3**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

[All M12 Panel Mount PCB \(103\)](#)

Features

Product Type Features

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

Mechanical Attachment

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



Configuration Features

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes

Contact Features

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

Operation/Application

Circuit Application	Signal
Shielded	No

Body Features

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

Housing Features

Circular Connector Shell Size	12
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Usage Conditions

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

Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

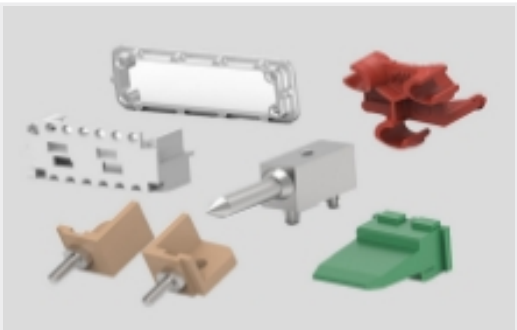
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Part # T4111001031-000
M12,MALE,STRAIGHT,A CODE,3P,
PG7,GOLD

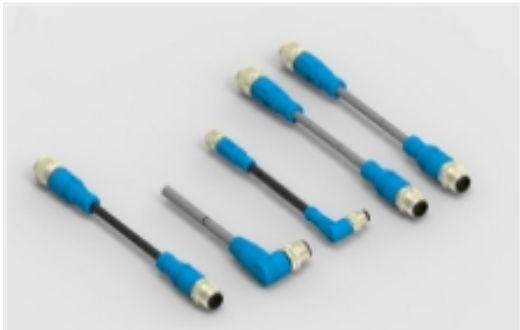
Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)

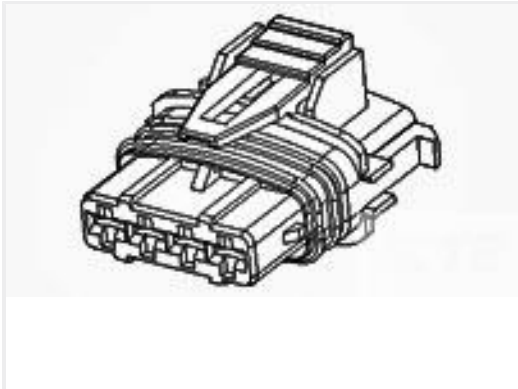


Standard Circular Connectors(793)

Customers Also Bought



TE Part #T4111001051-000
M12,MALE,STRAIGHT,A CODE,5P, PG7,GOLD



TE Part #368162-1
JPT 4P ASSY FOR MAP SENSOR ORA



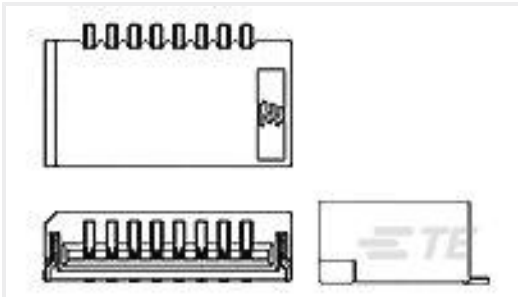
TE Part #T4145015041-001
M12 R/A F PNLREAR STAMPED PIN A-CODE 4P



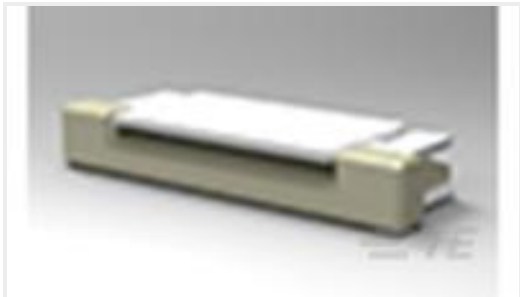
TE Part #8-215460-2
MICRO-MATCH FSID P



TE Part #640907-2
RECEPT,PIDG FASTON 12-10 250



TE Part #1-84981-0
1MM FFC SMT H ASSY 10P EMBOSS



TE Part #3-1734839-1
FPC CONN. 0.5MM PITCH T/C,31P



TE Part #2337019-1
UMCC Micro-Coax receptacle, Gen 1



TE Part #2-1904058-5
V23700C0001A408-EV-CBOX



TE Part #2388970-1
SDE F DEUTSCH (16) 1.00-2.00mm2 ASSY

Documents

Product Drawings

M12 R/A F PNLREAR STAMPED PIN A-CODE 3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4145015031-001_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_T4145015031-001_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4145015031-001_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

Agency Approvals

[UL](#)

English