



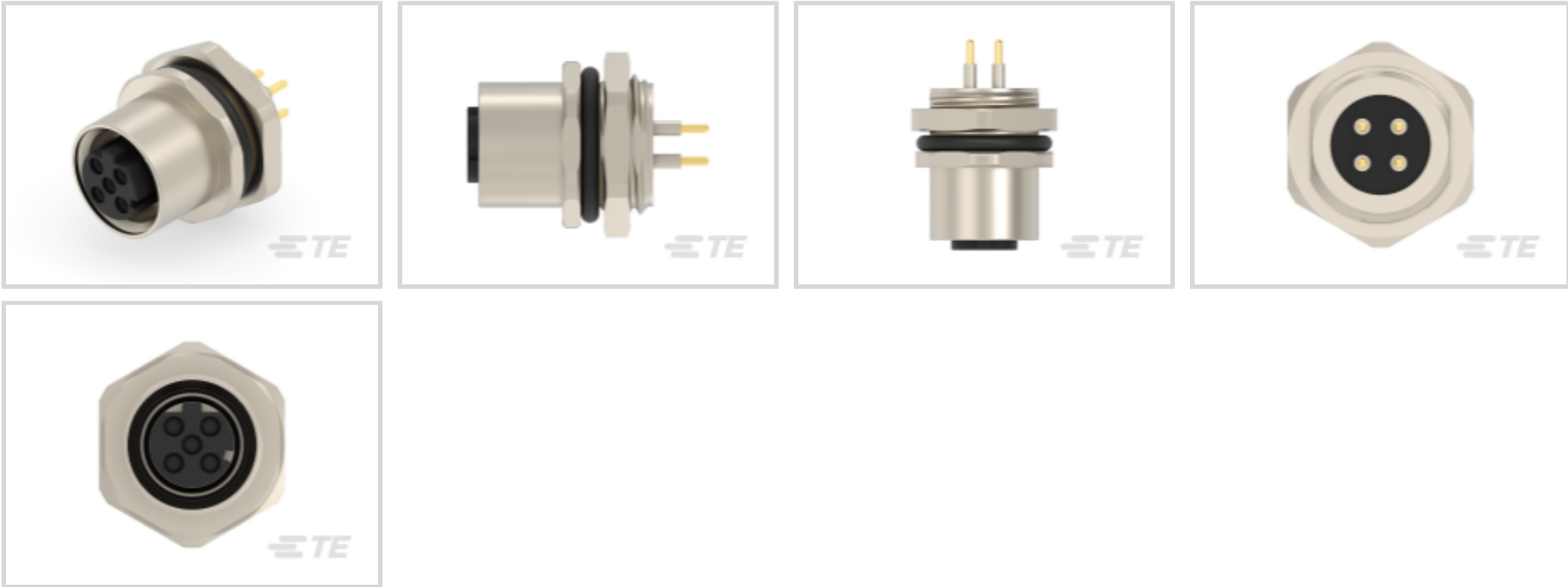
M12 Connector

TE Internal #: T4143512041-000

Wire-to-Panel, 4 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular Connectors

[View on TE.com >](#)

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



Connector System: **Wire-to-Panel**
Connector Mounting Type: **Panel Mount**
Number of Positions: **4**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

[All M12 Panel Mount PCB \(111\)](#)

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
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	Receptacle
Shell Type	Metal

Configuration Features

Keying & Polarized Position Locations	D
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Factory Installed Backshell	No
Keying	D
Number of Positions	4
Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
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

Mating Retention Type	Threaded Coupling
Mating Alignment	With
Connector Mounting Type	Panel Mount
Polarization Code	D
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	18
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Usage Conditions

IP Dust Sealing Level	6
IP Water Sealing Level	IP67



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

Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	1
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Other

Field Serviceable	Yes
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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 (4% 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

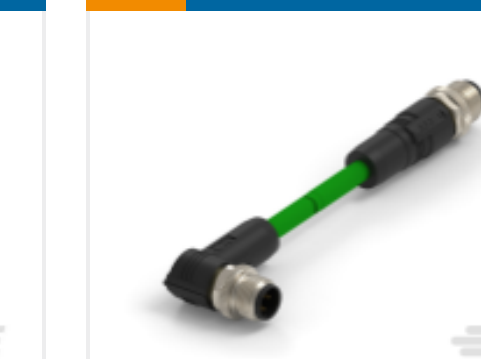
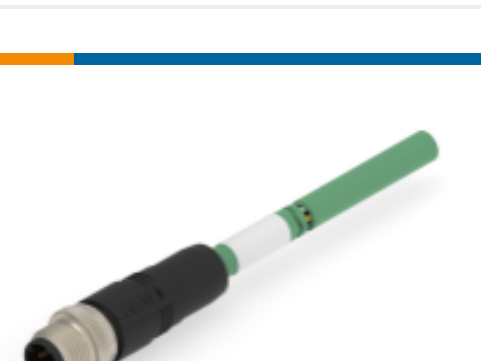
Product Compliance Disclaimer

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



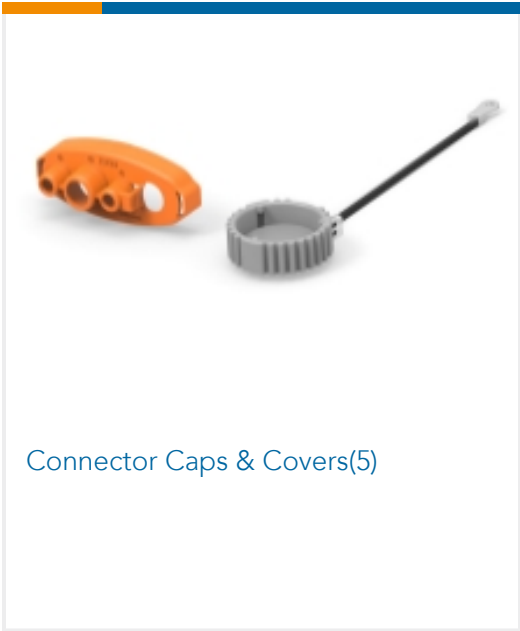
requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # T4111501041-000 M12,MALE,STRAIGHT,D CODE,4P, PG7,GOLD	 TE Part # CAT-M1-IN287C Ethernet, Profinet M12 D-Code 4pos PVC	 TE Part # CAT-M1-IN287B Ethernet, Sercos-III M12-D 4pos PVC Red	 TE Part # CAT-M1-IN287A Ethernet, Profinet M12 D-Code 4pos PUR
 TE Part # CAT-M1-IN287 Ethernet, Profinet M12 D-Code 4pos FRNC	 TE Part # CAT-M1-IN287G Ethernet, Profinet M12 D-Code 4p PVC DE	 TE Part # CAT-M1-IN287F Ethernet, Sercos-III M12-D 4p PVC Red DE	 TE Part # CAT-M1-IN287E Ethernet, Profinet M12-D 4pos PUR DE
 TE Part # CAT-M1-IN287D Ethernet, Profinet M12 D-Code 4p FRNC DE	 TE Part # TAD14745101-400 M12D4-MS-MS-PUR TYPE C GREEN-40.0M	 TE Part # TAD14741311-003 M12D4-MS-MS-PVC TYPE B RED-1.5M	 TE Part # TAD14147101-015 M12D4-MS-FRNC TYPE B GREEN-1.5 M
 TE Part # TAD14147101-030 M12D4-MS-FRNC TYPE B GREEN-3.0 M			

Also in the Series | M12 Connector

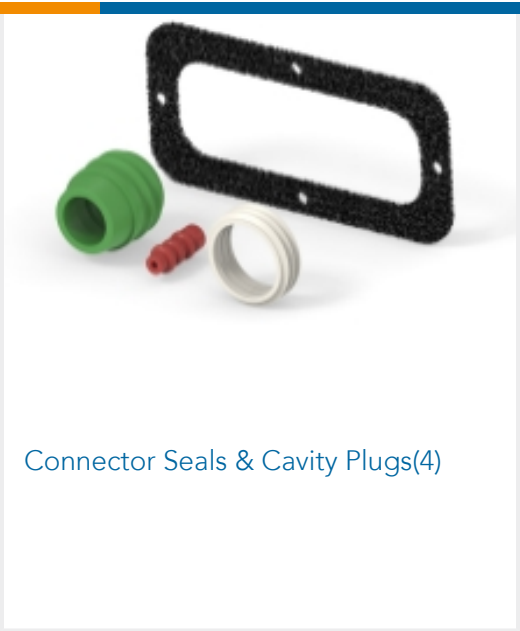




Connector Caps & Covers(5)



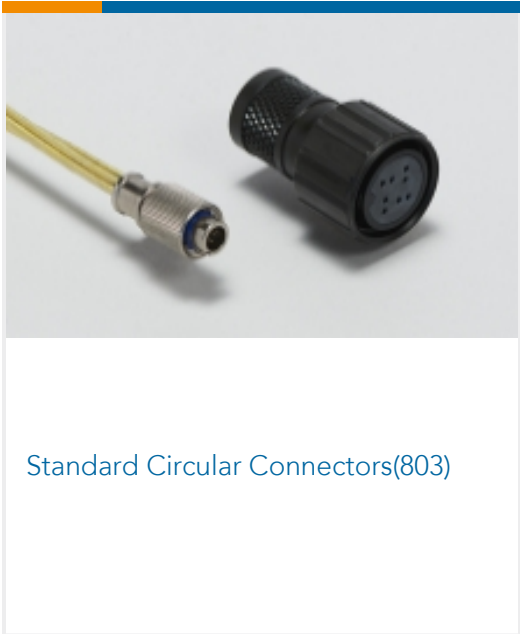
Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

Customers Also Bought



TE Part #T4140012051-000
M12,REAR MOUNTING,MALE,A CODE,5P



TE Part #1-1564546-1
2POS,TAB 5.8X0.8,TAB HSG,ASSY



TE Part #8-1625966-4
HSA10 1K0 5%



TE Part #T4043014041-000
M8.FMLE.PNLFRONT.4POS.STRPCB



TE Part #7-1415001-1
PT570R24



TE Part #1775073-1
SHIELD FINGER 434025N7



TE Part #1-215083-6
MICRO-MATCH MOW.16P



TE Part #69363
DAHT STRATO SOLIS 26-20 ASSY



TE Part #ADP-SMAF-SMBM-G
SMA Jack to SMB Plug

Documents



Product Drawings

M12,FRONT MOUNTING,FEMALE,D CODE,4P

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4143512041-000_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4143512041-000_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4143512041-000_B.2d_dxf.zip

English

3D PDF

3D

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

Agency Approvals

UL

English