1-2823445-9 ACTIVE

M12 Connector

TE Internal #: 1-2823445-9

Cable-to-Cable, 4 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard

Circular Connectors

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors > M12 Straight Crimped Strain Relief











Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Number of Positions: 4

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

All M12 Straight Crimped Strain Relief (53)

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plastic

Configuration Features

Number of Positions	4	



Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	No
Electrical Characteristics	
Operating Voltage	50 VDC
Body Features	
Environmental Protection	Yes
Weight	25 g[.0552 lb]
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Unplated
Shell Base Material	Plastic
Circular Connector Insulation Material Type	Low Fire Hazard Thermoplastic
Hermetically Sealed	Yes
Contact Features	
Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Polarization Code	D
Mating Alignment Type	Keyed
Housing Features	
Circular Connector Shell Size	16
Dimensions	
Compatible Insulation Diameter Range	6.6 mm
Usage Conditions	
IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Durability Rating	250 Cycles
	,



Circuit Application	Signal
Shielded	Yes
Industry Standards	
UL Flammability Rating	UL 94V-0
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
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 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 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





CRIMP FLANGE



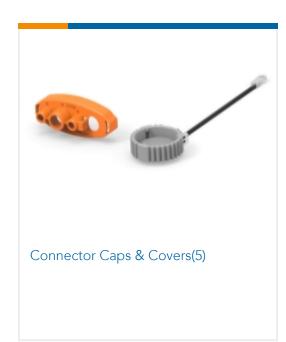


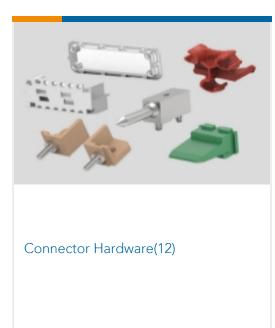


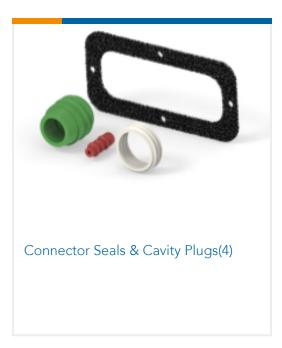


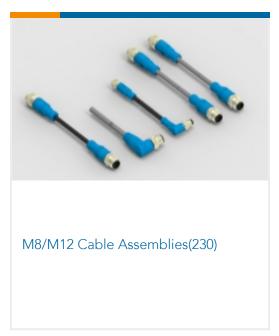


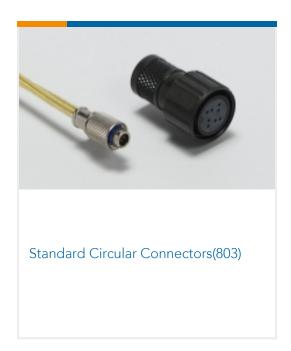
Also in the Series | M12 Connector











Customers Also Bought



















Documents

Product Drawings

M12 D-M-4 CRIMP CAT 5 RADOX 6.6MM, LEONI

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2823445-9_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2823445-9_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2823445-9_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

M12 RAIL CONNECTOR SERIES

English

M12 Rail Straight Connector

English

Product Specifications

Product Specification

English

Cable-to-Cable, 4 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard Circular Connectors

