



M12 Connector

TE Internal #: 1-2823445-6
Cable-to-Cable, 4 Position, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, D Polarization Code, M12 Connector, Standard Circular Connectors

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



Connector System: **Cable-to-Cable**
Number of Positions: **4**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**
Contact Current Rating (Max): **4 A**

[All M12 Straight Crimped Strain Relief \(53\)](#)

Features

Product Type Features

Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plastic
Assembly Requirement	Factory Assembled
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	No

Configuration Features

Number of Positions	4
Number of Power Positions	0



Number of Signal Positions	4
Contacts Preloaded	Yes
Keying & Polarized Position Locations	D
Factory Installed Backshell	With

Contact Features

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

Operation/Application

Circuit Application	Signal
Shielded	Yes
Durability Rating	250 Cycles

Body Features

Shell Base Material	Plastic
Circular Connector Insulation Material Type	Low Fire Hazard Thermoplastic
Hermetically Sealed	Yes
Product Weight	25 g[.8832 oz]
O-Ring Material	EPDM
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black

Mechanical Attachment

Polarization Code	D
Mating Alignment Type	Keyed
Mating Retention	With
Mating Retention Type	Threaded
Mating Alignment	With

Dimensions

Wire Size	.15 mm²
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Housing Features

Circular Connector Shell Size	16
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Usage Conditions



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

Other

EU RoHS Compliance	Compliant with Exemptions
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Electrical Characteristics

Operating Voltage	50 VDC
EMI & RFI Protection & Suppression Type	Shielding

Signal Characteristics

Data Rate	≤1 Gb/s
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Termination Features

Termination Method to Wire & Cable	Crimp
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Industry Standards

Compatible With Approved Standards Products	IEC
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Packaging Features

Packaging Quantity	1
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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	Not Yet Reviewed
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: JAN 2024 (240) SVHC > Threshold: Pb (3.5% 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 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



TE Part # 1-2823557-1
CRIMP TOOL FOR CRIMP FLANGE /SLEEVE



TE Part # 1-2823560-1
ASSEMBLY TOOL HANDLE FOR CRIMP FLANGE



TE Part # 1-2823561-1
UNIVERSAL INSERT (ALL M12 CODES)



TE Part # CAT-M1-M1
M12 Assembly Tooling



TE Part # CAT-R131-IN722
Crimp Insert for Use with 1-2823557-1



TE Part # 601966-1
CRIMPING TOOL M22520/2-01



TE Part # 601967-1
CRIMPING TOOL M22520/1-01

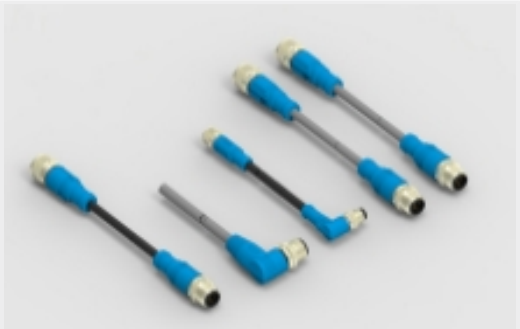
Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(793)

Customers Also Bought





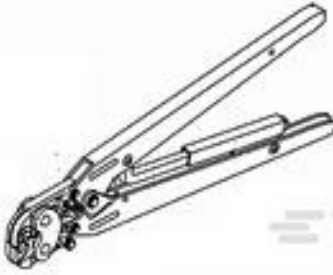
TE Part #6609987-9
[15SRB1=F8219H](#)



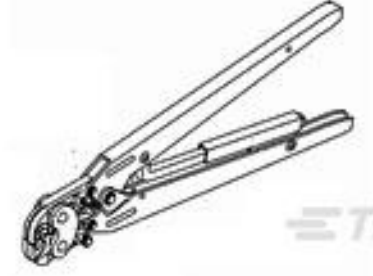
TE Part #91558-1
[CCII D-3 L REC TAB 20-16 ASSY](#)



TE Part #1-2823446-6
[M12 D-F-4 CRIM CAT5 MEGALINE 5.3 MM,LEONI](#)



TE Part #674655
[DAHT FASTON 22-14 ASSY](#)



TE Part #575046-1
[DAHT 250 FASTON 22-14 ASSY](#)

Documents

Product Drawings

[M12 D-M-4 CRI CAT5 MEGALINE 5.3MM, LEONI](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2823445-6_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2823445-6_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2823445-6_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

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