



M12 Connector

TE Internal #: 1-2823445-6  
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
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Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	50 VDC
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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
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Dimensions

Compatible Insulation Diameter Range	5.3 mm
Wire Size	26 AWG

Usage Conditions

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

Operation/Application

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Durability Rating	250 Cycles
Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
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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	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) <b>Article Safe Usage Statements:</b> 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



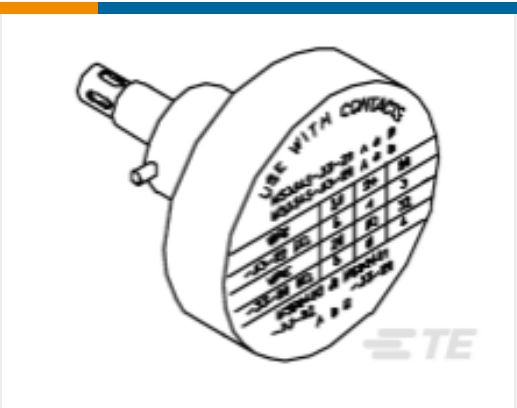
TE Part # 1-2823557-1  
CRIMP TOOL FOR CRIMP FLANGE /SLEEVE




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 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 #1-178128-4  
DYNAMIC 3200 REC HSG 4P SGL



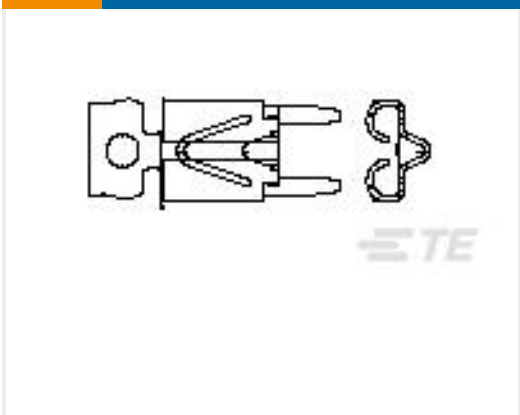
TE Part #175196-2  
DYNAMIC D-3 REC CONT. L AU 0.38



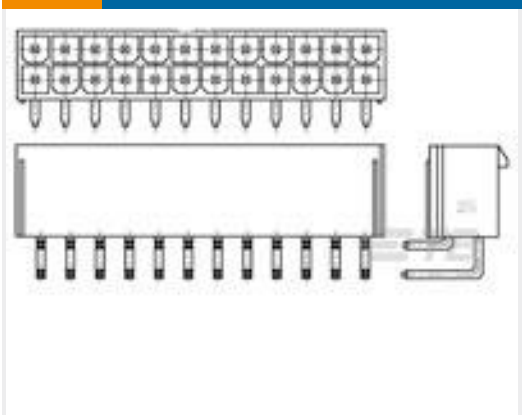
TE Part #4-1609155-2  
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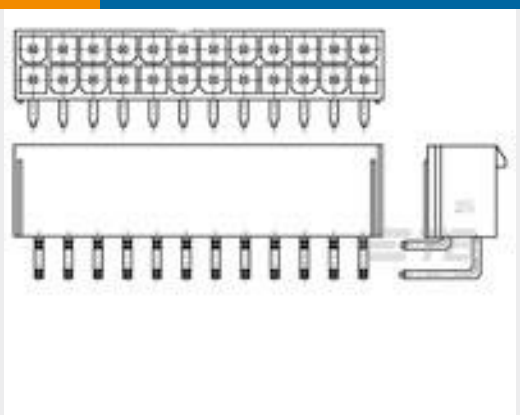
TE Part #T2030002040-000  
CEF-4.0



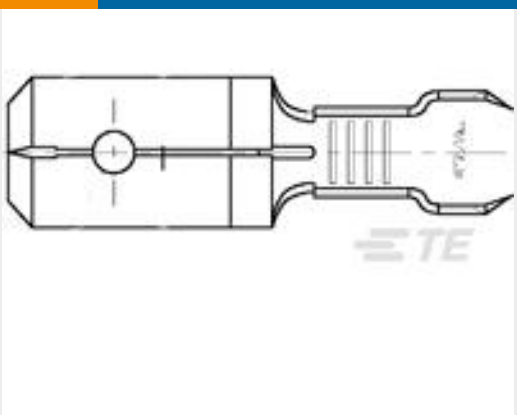
TE Part #63969-1  
FASTON 205/250 PCB MOUNTED  
TPBR




TE Part #1586041-2  
2P VAL-U-LOK R/A HDR V2




TE Part #1586041-4  
4P VAL-U-LOK R/A HDR V2



TE Part #42475-2  
250 FASTON TAB 22-18 AWG TPBR



TE Part #1-170823-8  
250 FASTON SLEEVE,REC.,  
TRANSPARENT



TE Part #T2030001040-000  
CEM-4.0

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