



M12 Rail Bulkhead PCB

TE Internal #: 1-2823590-7

M12 Rail Bulkhead PCB, Standard Circular Connectors, Cable-to-Cable, 8 Position, Sealable, Printed Circuit Board, 2A Contact Current Rating (Max)

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors > M12 PCB MOUNTED



Connector System: **Cable-to-Cable**
Number of Positions: **8**
Sealable: **Yes**
Connector & Contact Terminates To: **Printed Circuit Board**
Contact Current Rating (Max): **2 A**

[All M12 PCB MOUNTED \(12\)](#)

Features

Product Type Features

Product Type	Lead Assembly
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Plug
Shell Type	Full Metal Shell

Configuration Features

Number of Positions	8
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	30 VDC
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Signal Characteristics

Data Rate	1 Gb/s
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Body Features

Environmental Protection Type	Elastomer Sealed
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Environmental Protection	Yes
Weight	25 g[.0552 lb]
Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Low Fire Hazard Thermoplastic
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	2 A
Circular Connector Contact Type	Pin

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With

Usage Conditions

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

Operation/Application

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	Not Compliant
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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: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) 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 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



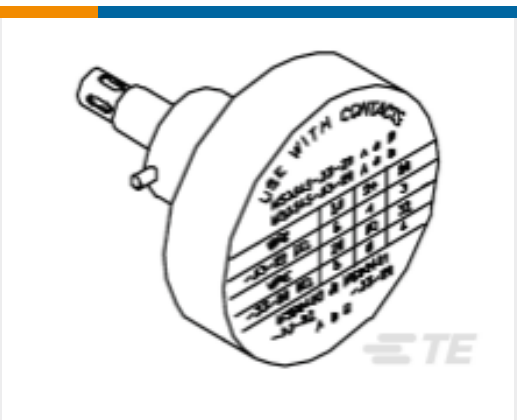
TE Part # 1-2823557-1
CRIMP TOOL FOR CRIMP FLANGE /SLEEVE



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

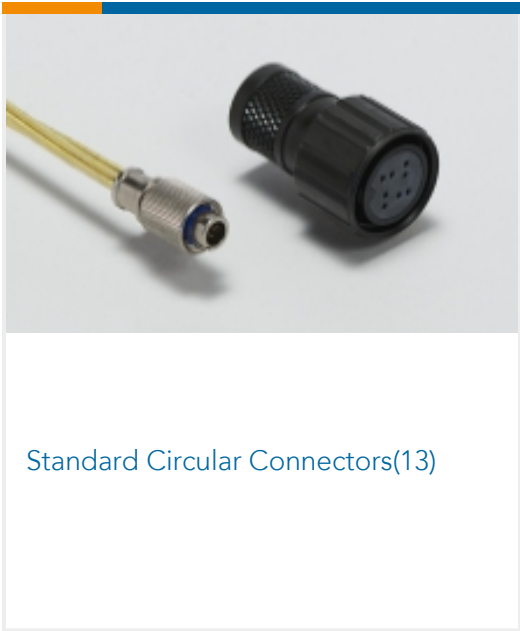


TE Part # 601966-1
CRIMPING TOOL M22520/2-01



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

Also in the Series | M12 Rail Bulkhead PCB



Customers Also Bought

TE Part #661269-000
TXR21AB00-1605AI

TE Part #1617807-5
FC-335-SY8= RELAY, 3PST

TE Part #358203-000
Bulbous Heat Shrink Boots: Lipped, Straight

TE Part #2-1614894-3
CPF 0805 301K 0.1% 25PPM 1K RL

TE Part #642427-000
Heat Shrink Boots: Poly Mold, Lipped

TE Part #1617147-5
JMGAP-26P = M39016/17-030P

TE Part #1617164-7
JMACT-5XL = M28776/1-025L

TE Part #358279-000
382C312-50-01-0

TE Part #ZPF0000000000007174
983-ORS 08-98 PN

TE Part #1617119-5
J1MAW-18XP = M39016/7-021P

Documents

- Product Drawings

M12 A-CODE 8,MALE REAR PANEL MOUNT

English
- CAD Files

3D PDF

3D
- Customer View Model

ENG_CVM_CVM_1-2823590-7_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-2823590-7_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2823590-7_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 PCB Connector Flyer](#)

English