# 1-2823589-2 ACTIVE

#### M12 Rail Bulkhead PCB

TE Internal #: 1-2823589-2

Standard Circular Connectors, Cable-to-Cable, 4 Position, Sealable, Printed Circuit Board, Signal, Cable Mount (Free-Hanging), M12

Rail Bulkhead PCB

View on TE.com >



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



Connector System: Cable-to-Cable

Number of Positions: 4

Sealable: Yes

Connector & Contact Terminates To: Printed Circuit Board

Contact Current Rating (Max): 4A

#### 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	Receptacle
Shell Type	Full Metal Shell

### **Configuration Features**

Number of Positions	4
Contacts Preloaded	Yes

#### **Electrical Characteristics**

Operating Voltage	50 VDC	

### **Body Features**

Environmental Protection Type	Elastomer Sealed
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)	4 A
Circular Connector Contact Type	Socket
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Polarization Code	D
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]
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 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 2022

(224)

Candidate List Declared Against: JUN 2020

(209)

Does not contain REACH SVHC

Low Halogen - Br, Cl, F, I < 900 ppm per Halogen Content homogenous material. Also BFR/CFR/PVC Free

Not reviewed for solder process capability 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-onreach

# Compatible Parts



/SLEEVE



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







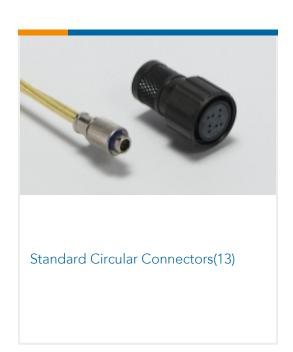






Also in the Series | M12 Rail Bulkhead PCB





#### **Documents**

#### **Product Drawings**

M12 D-CODE 4, FEMALE FRONT PANEL MOUNT

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-2823589-2\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-2823589-2\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-2823589-2\_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