1-2312501-2 ✔ ACTIVE

M12 Rail PG Clamp

TE Internal #: 1-2312501-2

Standard Circular Connectors, Cable-to-Cable, 5 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), M12 Rail PG Clamp

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Connector System: **Cable-to-Cable**

Connector Mounting Type: **Cable Mount (Free-Hanging)**

Number of Positions: **5**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

All M12 Straight D4 PG Clamp (12)

Features

Product Type Features

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

Configuration Features

Keying	A

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Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes

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	Socket

Mechanical Attachment

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

Housing Features

Circular Connector Shell Size	19

Dimensions

Compatible Insulation Diameter Range	5.5 - 9 mm

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

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: JAN 2024 (240) 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 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

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Compatible Parts

TE Part # 1-2314103-1
M12 CRIMP CONTACT SOCKET 1MM AU 0.8AWG20

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 PG Clamp
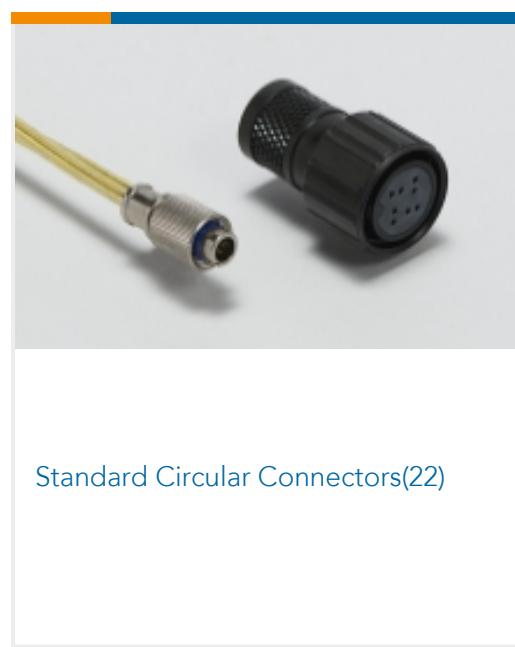
Standard Circular Connectors(22)

Customers Also Bought

TE Part # 1-2312527-1
M12 A-CODED M-5 CABLE GLAND CONECTR MALE

TE Part # 1-2314102-1
M12 Crimp Contact For D and A5

TE Part # 102387-3
16 MODIV HSG COMP DR .100 POL

TE Part # 280371-2
4P AMPMODU II SHRD HDR, ST, 0.38 AU

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TE Part # 280359
AMPMODU II REC. HSG, SINGLE ROW, 4 POS.

TE Part # 1622438-1
LR1 1% 330R

TE Part # 1-1825059-3
ADF04S04=DIP SWT,FLUSH,SMT-GW

TE Part # 0513-017-8006
SEAL, FLANGE, 80P, DRC23
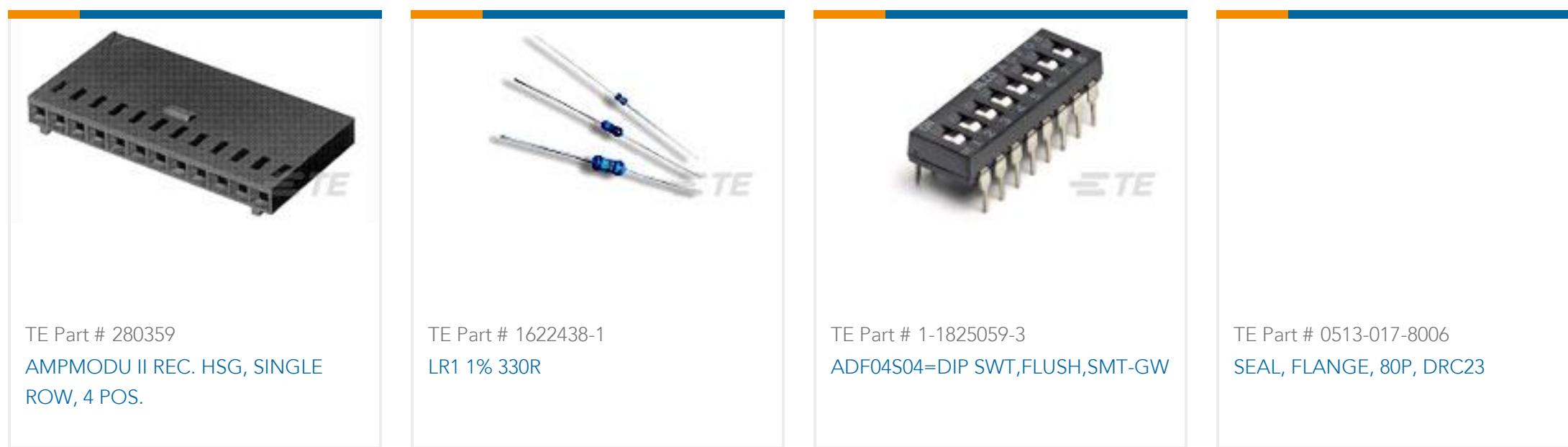
Documents

Product Drawings

M12 A-CODED F-5 CAB GLAND CONECTR FEMALE

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2312501-2_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-2312501-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2312501-2_B.3d_igs.zip

English

3D PDF

3D

Datasheets & Catalog Pages

M12 Rail Straight Connector

English