1838415-4 ✔ ACTIVE

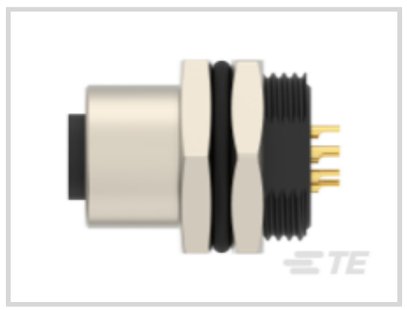
M12 Connector

TE Internal #: 1838415-4

Wire-to-Panel, 8 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, M12 Connector, Standard Circular Connectors

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors




Connector System: **Wire-to-Panel**

Connector Mounting Type: **Panel Mount**

Number of Positions: **8**

Sealable: **Yes**

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

Features

Dimensions

	.984 in
Wire Size	.258 mm²

Product Type Features

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

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With
Panel Mount Feature	With
Mating Retention Type	Threaded
PCB Mount Retention	With
Panel Mount Feature Type	Screw Nut
Mating Alignment	With
PCB Mount Alignment	With

Configuration Features

Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8
Contacts Preloaded	Yes
Keying & Polarized Position Locations	A
Factory Installed Backshell	With

Contact Features

Contact Current Rating (Max)	2 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Operation/Application

Circuit Application	Signal
Shielded	No

Body Features

Shell Base Material	Plastic
Circular Connector Insulation Material Type	Polyamide
Hermetically Sealed	Yes
O-Ring Material	EPDM
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black

Housing Features

Circular Connector Shell Size	18

Usage Conditions

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

Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

Termination Features

Termination Method to Wire & Cable	Solder

Industry Standards

Compatible With Approved Standards Products	IEC

Packaging Features

Packaging Quantity	50

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	Compliant with Exemptions
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: JUNE 2024 (241) SVHC > Threshold: Pb (3.31% 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with lead free solder

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

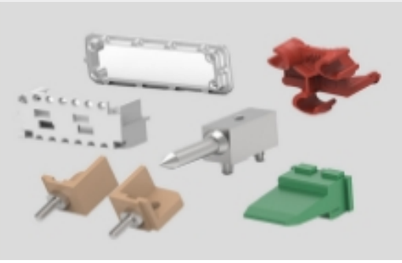
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # T4111002081-000
M12,MALE,STRAIGHT,A CODE,8P, PG9,GOLD

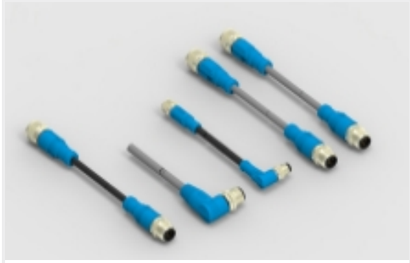
Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(793)

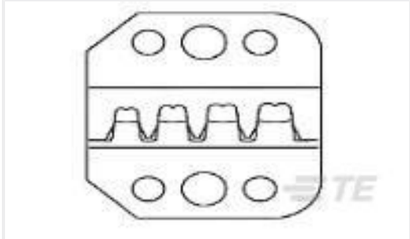
Customers Also Bought



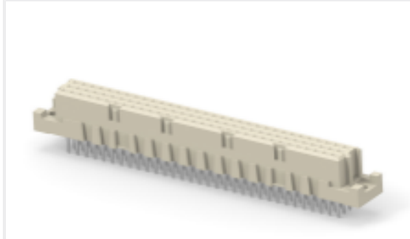
TE Part #5-87165-2
LOCKING CLIP ASSY .025 SQ LP



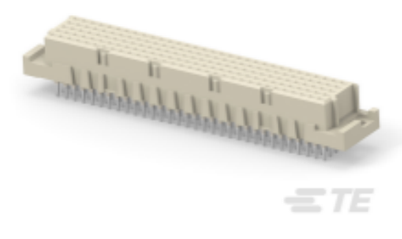
TE Part #1-1462037-3
IM02TS=IM RELAY 140mW 4.5V



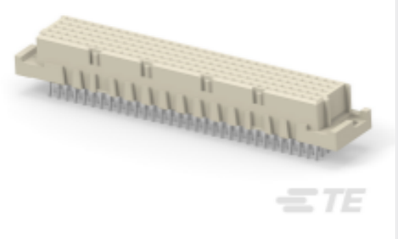
TE Part #58535-2
PRO-CRIMPER ASSY MODU



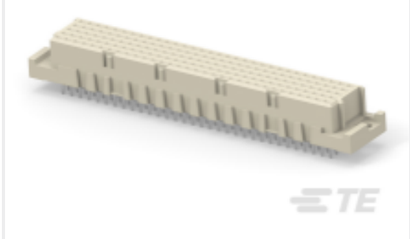
TE Part #224408-E
STVC 96 F ABC VVV 7-00 EE 5,5 * 247 E007



TE Part #254006-E
STVE 160 F ABCDE VVVVV 7-00 EE 5,5 * 247



TE Part #254839-E
STVE 160 F ABCDE VVVVV 7-00 EE 5,5 * 137



TE Part #284314-E
STVE 160 F ABCDE VVVVV 7-00 TL 4,0 * 247

Documents

Product Drawings

M12 Mtl FEMALE PNL CONN. Sldr Rear (Cir)

English

CAD Files

Customer View Model

ENG_CVM_CVM_1838415-4_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1838415-4_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1838415-4_A1.3d_igs.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

Product Specifications

Product Specification

English