T4145535031-001 ✓ ACTIVE

M12 Connector

TE Internal #: T4145535031-001

Standard Circular Connectors, Wire-to-Board, 3 Position, Sealable, Panel Mount, Nickel, Brass, D Polarization Code, Polyamide GF, M12 Connector

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount PCB

Connector System: **Wire-to-Board**

Number of Positions: **3**

Sealable: **Yes**

Connector Mounting Type: **Panel Mount**

Reverse Gender: **No**

All M12 Panel Mount PCB (111)

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
Prewired	No
Assembly Type	Electrical Connector
Connector System	Wire-to-Board
Sealable	Yes
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3

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Body Features

Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide GF

Contact Features

Reverse Gender	No
Circular Connector Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	D
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	12

Usage Conditions

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

Operation/Application

Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94HB

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (3.7% in Component Part)

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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	Not applicable 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 # T4111501031-000
M12,MALE,STRAIGHT,D CODE,3P, PG7,GOLD

Also in the Series | M12 Connector

M8/M12 Cable Assemblies(230)

Standard Circular Connectors(521)

Customers Also Bought

Standard Circular Connectors, Wire-to-Board, 3 Position, Sealable, Panel Mount,
Nickel, Brass, D Polarization Code, Polyamide GF, M12 Connector

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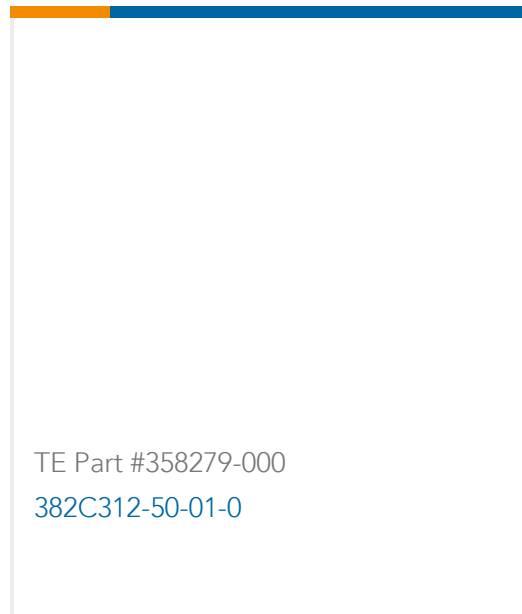FC-335-SY8= RELAY, 3PST

TE Part #1616058-6
A703CD (FAA/PMA)=RELAY

TE Part #ZPF000000000001261
097-0267-16 A1267

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

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

TE Part #ZPF000000000007174
983-0RS 08-98 PN

TE Part #CX1369-000
BSTS-13X4FR/NM

TE Part #YDTS20Y13-98XNV001
HERM RECP

TE Part #CS8624-000
BSTS-15X4FR/NM

Documents

Product Drawings

M12 R/A F PNL STAMPED PIN D-CODE 3P SHLD

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4145535031-001_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4145535031-001_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4145535031-001_B.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

T4145535031-001

Standard Circular Connectors, Wire-to-Board, 3 Position, Sealable, Panel Mount, Nickel, Brass, D Polarization Code, Polyamide GF, M12 Connector

M8 / M12 Connector System Catalog

English

M8 / M12 Connector System Catalog

Japanese

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English