T4145515021-001 ✔ ACTIVE

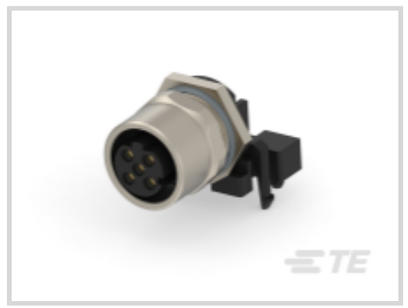
M12 Connector

TE Internal #: T4145515021-001

Wire-to-Panel, 2 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular Connectors

View on TE.com >

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







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

Connector Mounting Type: **Panel Mount**

Number of Positions: **2**

Sealable: **Yes**

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

All M12 Panel Mount PCB (111)

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	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Number of Positions	2

Number of Power Positions	0
Number of Signal Positions	2
Contacts Preloaded	Yes

Body Features

Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide GF
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Mechanical Attachment

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

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

Circuit Application	Signal
Shielded	No

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% 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	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 # T4111501021-000
M12,MALE,STRAIGHT,D CODE,2P, PG7,GOLD

Also in the Series | M12 Connector



Connector Caps & Covers(5)



Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)

Standard Circular Connectors(803)

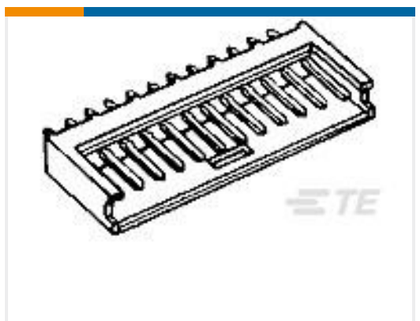
Customers Also Bought



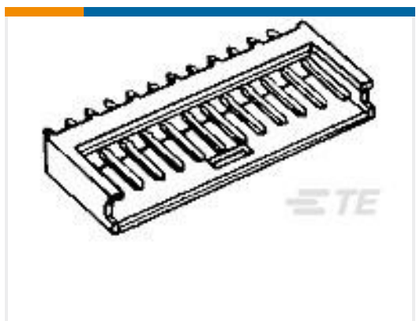
TE Part #T4111502021-000
M12,MALE,STRAIGHT,D CODE,2P, PG9,GOLD



TE Part #T4145435041-001
M12 R/A F PNL STAMPED PIN B-CODE 4P SHLD



TE Part #280372-1
6P AMPMODU II SHRD HDR, ST, TIN



TE Part #280370-1
2P AMPMODU II SHRD HDR, ST, TIN

TE Part #282834-2
TERMI-BLOK PCB MOUNT, 90 2P.

TE Part #965786-1
ABDECKKAPPE 180GRD

TE Part #828920-1
EINZELADERDICHTUNG

TE Part #T4111512021-000
M12 M, 2P GOLD D_CODE S SHIELDED PG9

Documents

Product Drawings

M12 R/A F PNLREAR STAMPED PIN D-CODE 2P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4145515021-001_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4145515021-001_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4145515021-001_A.3d_stp.zip

English

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

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

ROX9J4K3 ROX9J820R T4112401051-000 1622820-6 2132781-3 320552 322335 336330-1 MPT100C8K2F ROX9J100R 1-350945-0 5174225-5 641763-1 ROX9J120R 2008571-3 2149966-1 967116-2 ROX9J160R ROX9J2K4 SC30R33KT SMA-A0102FTDL10K 363549-000 7-2178711-4 SMF3100KJT 1-917659-5 173796-E 1801174-1 539635-1 828801-6 1-316080-2