T4171230012-001 ✔ ACTIVE

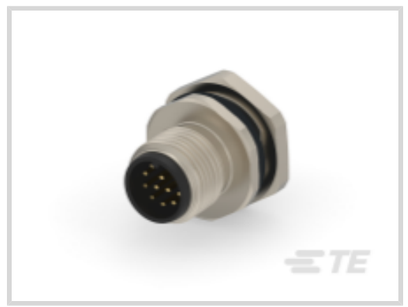
M12 Connector

TE Internal #: T4171230012-001

Standard Circular Connectors, Wire-to-Panel, 12 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Brass, M12 Connector

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Wire







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

Number of Positions: **12**

Sealable: **Yes**

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

Contact Current Rating (Max): **1.5 A**

All M12 Panel Mount Wire (66)

Features

Product Type Features

Product Type	Connector
Accessory Color	Black
Assembly Type	Electrical Connector
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Keying	A
Number of Positions	12

Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	30 VAC

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide 66 GF25

Contact Features

Contact Current Rating (Max)	1.5 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin

Mechanical Attachment

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

Housing Features

Circular Connector Shell Size	18

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 6-2271128-2
M12, FEMALE, A CODE, R/A, 12P, PG9 (AU)

Also in the Series | M12 Connector



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(519)

Customers Also Bought



TE Part #HDC14-3
DUST CAP



TE Part #T4171210004-001
M12 Panel Mount Wire



TE Part #DTHD06-1-4S-E003
PLG, 1P, BLK, N, SIZE 4, CAP



TE Part #1623246-1
CRG0805 1% 51R



TE Part #2-1377174-1
SMP 0-0320559-0



TE Part #1-2176327-5
CRGP 0805 150R 1%



TE Part #5-2176327-8
CRGP 0805 560K 1%



TE Part #7-2176381-2
RQ 0805 68K1 0.1% 10PPM 5K RL



TE Part #M902-2161
BKSHL, 6SZ, CBL SZ .187-.300, HD10

Documents

Product Drawings

M12,FRONT MOUNT,MALE, A,12P, 0.2M WIRE

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4171230012-001_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4171230012-001_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4171230012-001_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

M8 / M12 Connector System Catalog

English

M12 PCB/Panel Connectors 8/12Pin

English

Product Specifications

Application Specification

English