



M12 Connector

TE Internal #: 6-2271122-2

Cable-to-Cable, 12 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard Circular Connectors

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Cable**
Connector Mounting Type: **Cable Mount (Free-Hanging)**
Number of Positions: **12**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Power Positions	0



Number of Signal Positions	12
----------------------------	----

Contacts Preloaded	Yes
--------------------	-----

Body Features

Shell Plating Material	Nickel
------------------------	--------

Shell Base Material	Zinc Alloy
---------------------	------------

Circular Connector Insulation Material Type	PA
---	----

Hermetically Sealed	Yes
---------------------	-----

Contact Features

Contact Current Rating (Max)	2 A
------------------------------	-----

Reverse Gender	Yes
----------------	-----

Circular Connector Contact Type	Pin
---------------------------------	-----

Mechanical Attachment

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

Polarization Code	A
-------------------	---

Mating Alignment Type	Keyed
-----------------------	-------

Housing Features

Circular Connector Shell Size	20
-------------------------------	----

Dimensions

Wire Size	.14 – .25 mm ² , .14 – .25 mm ²
-----------	---

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
----------	----

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	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 (4% 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>

Compatible Parts



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 #T4111501041-000
M12 Field Installable Unshielded

TE Part #T4171010003-001
M12 Panel Mount Wire

TE Part #TAX3812A202-004
RPC-M12X-MS-8CON-TPE-3.0SH

TE Part #3823093019
44A1131-22-0/2/9-9

TE Part #CSJ-RGFB-100-MHF4
RP-SMA to MHF4 100mm 0.81 OD

TE Part #LICAL-ENC-MS001
ENCODER MS IC CHIP RC PROTOCOL T&R

Documents

Product Drawings
M12, MALE, A CODE, R/A, 12P, PG9 (AU)
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_6-2271122-2_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_6-2271122-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-2271122-2_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

[Product Specification](#)

English