



M12 Connector

TE Internal #: 6-2271129-2

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

Configuration Features

Number of Positions	12
Number of Power Positions	0



Number of Signal Positions	12
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Contacts Preloaded	Yes
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Electrical Characteristics

EMI & RFI Protection & Suppression Type	Shielding
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Body Features

Shell Plating Material	Nickel
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Shell Base Material	Zinc Alloy
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Circular Connector Insulation Material Type	Polyamide 66 GF25
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Hermetically Sealed	Yes
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Contact Features

Contact Current Rating (Max)	1.5 A
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Reverse Gender	Yes
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Circular Connector Contact Type	Socket
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Polarization Code	A
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Mating Alignment Type	Keyed
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Housing Features

Circular Connector Shell Size	20
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Dimensions

Wire Size	.25 mm ²
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Shielded	Yes
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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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



TE Part # 6-2271111-2
M12, MALE, A CODE, 12P, PG9, SHIELDED(AU)



TE Part # 484784-E
M12 MALE, A CODE, 12P, 10.5MM SMT




TE Part # 454643-E
M12 MALE, A CODE, 12P, 10.5MM SMT



TE Part # 494518-E
M12 MALE, A CODE, 12P, 10.5MM SMT


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 #745253-6
20 DF SOCKET CONT L.P.



TE Part #1-2308272-2
CABLE CLAMP2 (CASE RAW)



TE Part #1977477-3
Module Dual Barrier, .325 CL, 3 Pos.



TE Part #2-2176094-8
RP 2A 0.25W 232K 0.1% 25PPM 1K RL



TE Part #244837-E
SMCQ 26 M AB VV 8-13 CL * H007 137 E005



TE Part #2-2176397-0
3502 6R2 1%



TE Part #3-2176339-7
CRGCO 0603 10K 1%



TE Part #2-2176339-9
CRGCO 0603 2K2 1%



TE Part #CONBNC001
BNC Jack 50 Ohm PCB Through Hole

Documents

Product Drawings

M12,FEMALE,A CODE,R/A,12P,PG9,SHIELD(AU)

English

CAD Files

Customer View Model

ENG_CVM_CVM_6-2271129-2_A1.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_6-2271129-2_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-2271129-2_A1.3d_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