



M12 Connector

TE Internal #: 6-2271111-2

12 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Nickel, Zinc Alloy, A Code, M12 Connector

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 12

Connector System: Cable-to-Cable

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 1.5 A

Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	No
Connector System	Cable-to-Cable
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	With
Number of Positions	12



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

Electrical Characteristics

Operating Voltage	30 VAC
EMI & RFI Protection & Suppression Type	Shielding

Body Features

Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Metalized Silver
Shell Plating Material	Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

Mating Retention Type	Threaded
Mating Alignment	With
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	20
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Dimensions

Wire Size	26 – 22 AWG
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Usage Conditions

IP Dust Sealing Level	6
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IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal
Shielded	Yes

Industry Standards

Compatible With Approved Standards Products	IEC
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Packaging Features

Packaging Quantity	1
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3% in 33977279921) 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 # 484074-E
M12 FEMALE, A CODE, 12P, 17MM SMT

TE Part # 6-2271129-2
M12, FEMALE, A CODE, R/A, 12P, PG9, SHIELD(AU)

Also in the Series | M12 Connector

Connector Hardware(11)

Connector Seals & Cavity Plugs(4)

M8/M12 Cable Assemblies(230)

Standard Circular Connectors(793)

Customers Also Bought

TE Part #1445856-1
STR RELIEF ASY, STRAIGHT SZ 11

TE Part #T4111012081-000
M12 M, 8P GOLD A_CODE S SHIELDED PG9

TE Part #2-292173-7
CT BOX HDR H SMT 7P O/TAPE BLA

TE Part #2301844-1
AMPL REC HD20, R/A, 9P, B/L, 4-40 INS

TE Part #2-2176571-9
RLC73N 2A R13 1% 1K RL

TE Part #745508-2
FERRULE SPLIT RING, HD

TE Part #2-5174225-5
AMPLIMITE 050-2B HOR 68P M2.5

TE Part #5745172-3
SIZE 2 ASSY KIT CBL CLAMP



TE Part #749087-2
[50SR SCREWLOCK KIT,FEMALE](#)



TE Part #8-1415053-1
[SR4M4012](#)

Documents

Product Drawings

[M12, MALE, A CODE, 12P, PG9,SHIELDED\(AU\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-2271111-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-2271111-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-2271111-2_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

[M8 / M12 Connector System Catalog](#)

Japanese

Product Specifications

[Product Specification](#)

English