

TE Internal #: 6-2271137-2

Standard Circular Connectors, Wire-to-Wire, 12 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Zinc Alloy

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Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **12**

Sealable: **Yes**

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

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

## Features

### Product Type Features

Product Type	Connector
Connector System	Wire-to-Wire
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
Contacts Preloaded	Yes

### Body Features

Shell Plating Material	Nickel
Shell Base Material	Zinc Alloy



Circular Connector Insulation Material Type	Polyamide 66 GF25
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### Contact Features

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

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

Circular Connector Shell Size	12
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### Dimensions

Wire Size	.14 mm <sup>2</sup>
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### Usage Conditions

IP Dust Sealing Level	6
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Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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### Operation/Application

Circuit Application	Signal
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Shielded	No
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3% in Component Part)
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#### 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



## Documents

## Product Drawings

[M12,FMALE PNL,A CODE,SOLDER REAR,12P\(AU\)](#)

English

## CAD Files

[3D PDF](#)

3D

## Customer View Model

[ENG\\_CVM\\_CVM\\_6-2271137-2\\_A.2d\\_dxf.zip](#)

English

## Customer View Model

[ENG\\_CVM\\_CVM\\_6-2271137-2\\_A.3d\\_igs.zip](#)

English

## Customer View Model

[ENG\\_CVM\\_CVM\\_6-2271137-2\\_A.3d\\_stp.zip](#)

English



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**Datasheets & Catalog Pages**

[M8 / M12 Connector System Catalog](#)

English

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**Product Specifications**

[Product Specification](#)

English