



Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **8**

Sealable: **Yes**

Connector Mounting Type: **Panel Mount**

Reverse Gender: **Yes**

Features

Product Type Features

Prewired	No
Product Type	Connector Assembly
Accessory Color	Black
Assembly Type	Electrical Connector
Connector System	Wire-to-Board
Sealable	Yes
Circular Connector Type	Receptacle
Shell Type	Plastic

Configuration Features

Keying & Polarized Position Locations	0
Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8

Electrical Characteristics

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Operating Voltage	30 VAC
Voltage	30 Vrms

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
Weight	11.94 g[.026 lb]
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide GF

Contact Features

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	12
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Usage Conditions

IP Dust Sealing Level	6
IP Water Sealing Level	7
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Shielded	No
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Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	120
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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: JUNE 2023 (235) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (3.7% in Pb-Alloy in Copper) 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 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



Customers Also Bought





TE Part #T4145035051-001

M12 Panel Mount PCB



TE Part #T4162113004-005

RPC-M12-4MS-5.0SH-M12-4FS-PVC



TE Part #154763-E

SMCB 12 M AB VV 7-03 CL * 0007 137 E004



TE Part #1571300-3

TACT,RTANG,SMT,SEALED,GUID PIN, T/R



TE Part #225291-E

M12 M 8 A L90F T * 301 * 188 ** Y * 000



TE Part #254538-E

SMCQ 32 M AB VV 8-03 CL * H007 137 E005



TE Part #354072-E

SMCB 32 F AB VV 7-23 CL * H007 137 E002



TE Part #T4144015081-000

M12 RA PCB CONN. Male 8 P UN SHIELD



TE Part #225242-E

M12 M 5 A L90F T * 301 * 188 ** Y * 000

Documents

Product Drawings

M12 RA PCB CONN. Female 8 P UN SHIELD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4145015081-002_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4145015081-002_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4145015081-002_A.3d_stp.zip

English

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Product Specifications



English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English