



M8 Connector

TE Internal #: T4031017031-000

3 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Copper Alloy, A Code, M8 Connector

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors > M8 Panel Mount Solder Cups



Number of Positions: 3

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

Sealable: **Yes**

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

Contact Current Rating (Max): **3 A**

[All M8 Panel Mount Solder Cups \(8\)](#)

Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Number of Positions	3



Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	60 VAC
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Body Features

O-Ring Material	Silicone
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 67 GF30
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	3 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	12.6
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Dimensions

Wire Size	18 – 24 AWG
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Usage Conditions

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



Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94HB
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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 (4% in 74024580) 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 applicable 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 # T4011008031-000
M8,SCREW, MALE,S,UNSHIELD,3P,
GOLD

Also in the Series


M8 Connector



Connector Hardware(4)



M8/M12 Cable Assemblies(147)



Standard Circular Connectors(106)

Customers Also Bought



TE Part #181949-1
250 FASTON,TAB,BR



TE Part #8-2176422-3
TLRP 2512 3.0W R006 1% 75PPM 4K RL



TE Part #1622190-1
LR0204 1% 200R



TE Part #T1500064000-000
H6B-AG-SL-LB



TE Part #T4131012051-000
M12,REAR MOUNT,FEMALE,A,5P,
SOLDER WIRE



TE Part #T4031017041-000
M8.FMLE.PNLREAR.4POS.STR



TE Part #T4062113003-001
RPC-M8-3MS-0.5SH-M8-3FS-PVC



TE Part #T4061120003-002
M8 CABLE ST M 1.0M 3POS PUR
CABLE



TE Part #2273006-2
M8 x 1.0 straight plug Pigtail Shld

TE Part #EKA201M01340500000
915 EXTENSION



Documents

Product Drawings
M8.FMLE.PNLREAR.3POS.STR
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_T4031017031-000_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_T4031017031-000_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_T4031017031-000_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
Application Specification
English
Application Specification
English

Agency Approvals
UL
English