

M8 Connector

TE Internal #: T4081122004-000

Standard Circular Connectors, Wire-to-Wire, 4 Position, Sealable, Signal, TPU, A Polarization Code, Polyamide 66 GF25, 0 Power Positions, M8 Connector

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Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **4**

Sealable: **Yes**

Contact Current Rating (Max): **4 A**

Circuit Application: **Signal**

Features

Product Type Features

|                         |                      |
|-------------------------|----------------------|
| Prewired                | No                   |
| Product Type            | Connector Assembly   |
| Accessory Color         | Blue                 |
| Assembly Type           | Electrical Connector |
| Connector System        | Wire-to-Wire         |
| Sealable                | Yes                  |
| Circular Connector Type | Plug, Receptacle     |
| Shell Type              | Plastic              |

Configuration Features

|                                       |    |
|---------------------------------------|----|
| Keying & Polarized Position Locations | A  |
| Factory Installed Backshell           | No |
| Keying                                | A  |
| Number of Positions                   | 4  |
| Number of Power Positions             | 0  |



|                            |     |
|----------------------------|-----|
| Number of Signal Positions | 4   |
| Contacts Preloaded         | Yes |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 30 VAC |
|-------------------|--------|

Body Features

|   |                   |
|---|-------------------|
| Peripheral Seal Material                    | Silicone          |
| Environmental Protection                    | IP67              |
| O-Ring Material                             | Silicone          |
| Environmental Protection Type               | Sealed            |
| Shell Base Material                         | TPU               |
| Circular Connector Insulation Material Type | Polyamide 66 GF25 |

Contact Features

|                                 |            |
|---------------------------------|------------|
| Contact Current Rating (Max)    | 4 A        |
| Reverse Gender                  | No         |
| Circular Connector Contact Type | Pin/Socket |

Mechanical Attachment

|                       |       |
|-----------------------|-------|
| Polarization Code     | A     |
| Mating Alignment Type | Keyed |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| IP Dust Sealing Level       | 6                         |
| IP Water Sealing Level      | IP67                      |
| Operating Temperature Range | -25 – 85 °C[-13 – 185 °F] |

Operation/Application

|                     |            |
|---------------------|------------|
| Durability Rating   | 100 Cycles |
| Circuit Application | Signal     |
| Shielded            | No         |

Industry Standards

|                        |         |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|

Packaging Features

|                    |   |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Pb (4% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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



Also in the Series | M8 Connector





Connector Caps & Covers(5)



Connector Hardware(4)




M8/M12 Cable Assemblies(147)




Standard Circular Connectors(105)


Customers Also Bought




TE Part #T4011008031-000  
M8,SCREW, MALE,S,UNSHIELD,3P, GOLD




TE Part #T4042014031-000  
M8.MLE.PNLFRONT.3POS.STR PCB




TE Part #5745174-1  
CABLE CLAMP KIT,SZ 4




TE Part #160108-2  
RING TONGUE IS 20-16 0.0253 X.940 TPBR




TE Part #42938-2  
RING 16-14 AWG TPBR




TE Part #T4031017031-000  
M8.FMLE.PNLREAR.3POS.STR




TE Part #640007-3  
RING TERMINAL 16-14 AWG TPBR



TE Part #91514-1  
CCII FASTON 250 REC 22-18 ASSY



TE Part #880629-2  
RING TONGUE



TE Part #L9000366-01  
Antenna Wifi6/6E IP67 Blade SMA

Documents

Product Drawings  
M8 Y DISTRIBUTOR MALE 4POS  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_T4081122004-000\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4081122004-000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_T4081122004-000\\_A.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

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Agency Approvals

[UL](#)

English