



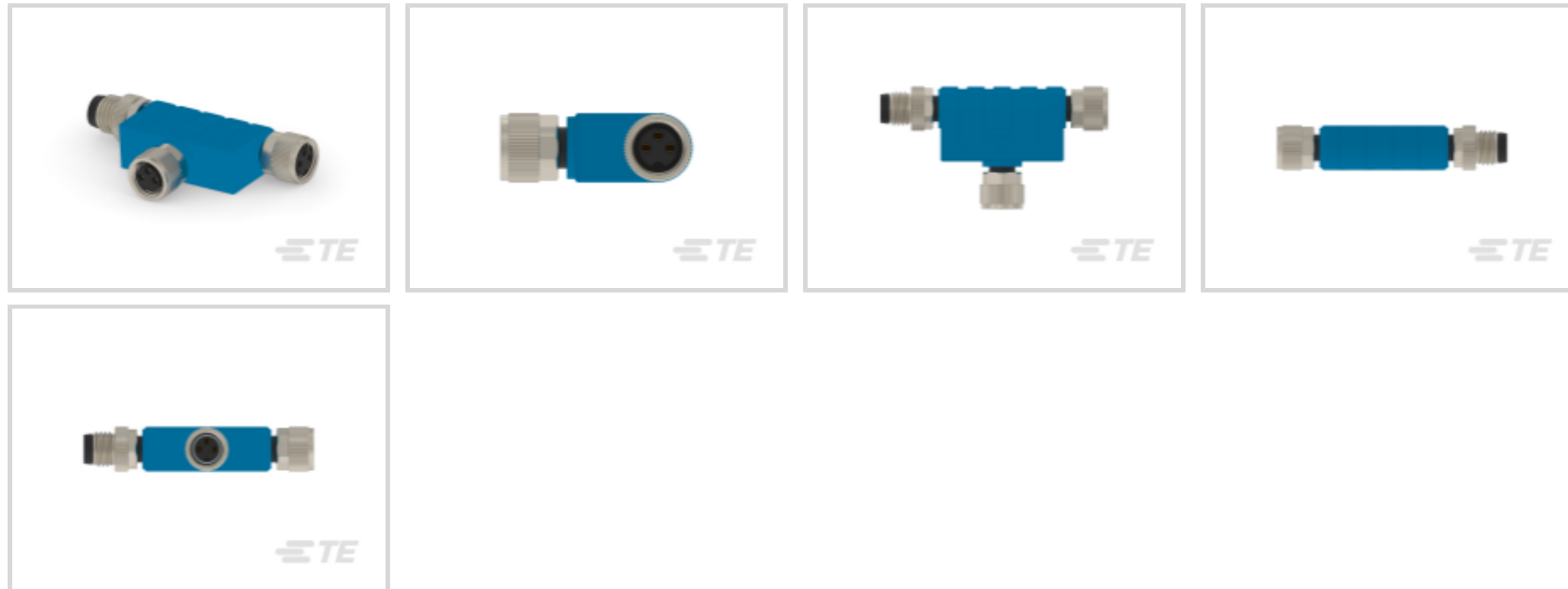
M8 Connector

TE Internal #: T4082102003-000

3 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, A Code, Polyamide 66 GF25, M8 Connector

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: **3**

Connector System: **Cable-to-Cable**

Sealable: **Yes**

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

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

Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	All Plastic
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	Plastic

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	With
Number of Positions	3



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

Electrical Characteristics

Operating Voltage	60 VDC
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Body Features

Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black
Shell Base Material	Plastic
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	3 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

Usage Conditions

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

Operation/Application

Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	No



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 (4% in 8755878253) 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 Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

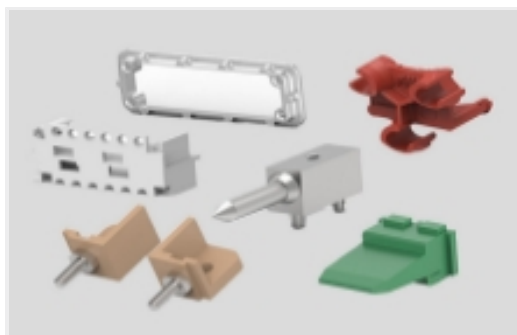
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

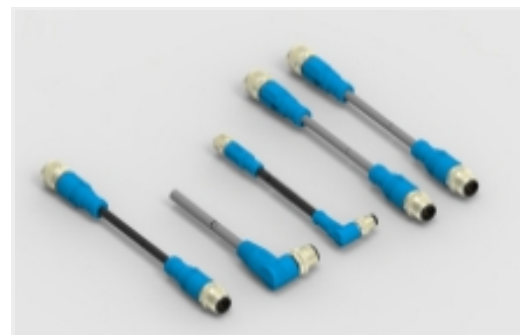


TE Part # T4051110003-001
M8 CABLE ST MALE 0.5M 3P PVC
CABLE

Also in the Series | M8 Connector



Connector Hardware(4)



M8/M12 Cable Assemblies(147)



Standard Circular Connectors(106)

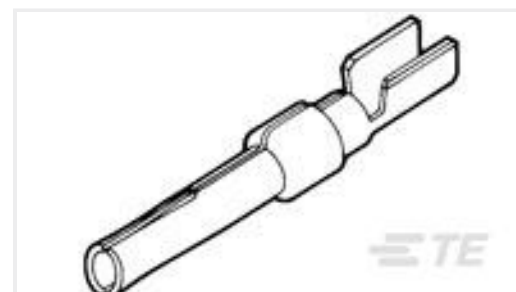
Customers Also Bought



TE Part #1658658-1
KIT, HDP-20, ENCLSUR, RCPT, SIZE 3



TE Part #6-1879334-8
CPF 0603 10R 1% 50PPM 1K RL



TE Part #745230-4
20 DF SOCKET CONTACT L.P.



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



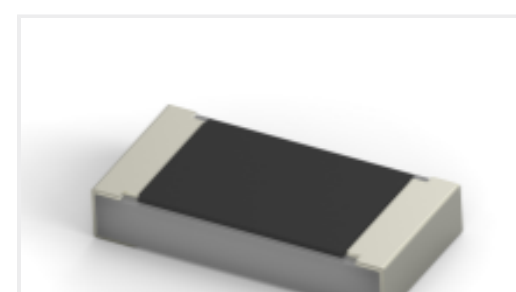
TE Part #324955
TERMINAL, SOLIS R 16-14 8



TE Part #T4161120005-001
RPC-M12-MS-5CON-PUR-0.5SH



TE Part #3-747579-4
SHLDNG FERRULE, PLTD, BULK PKG



TE Part #1-1614958-8
CPF 0805 1R47 0.1% 25ppm 1K RL



TE Part #1-2316108-0
10P, 2MM, REC, HSG, DR, CRIMP, PLAIN,
BOX



TE Part #3-2176087-5
RP 1J 0.166W 154R 0.1% 25PPM 1K RL



Documents

Product Drawings

[M8 T DISTRIBUTOR MALE 3POS](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_T4082102003-000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4082102003-000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_T4082102003-000_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