T4082102004-000 ACTIVE



M8 Connector

TE Internal #: T4082102004-000

Cable-to-Cable, 4 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M8 Connector, Standard

Circular Connectors

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors











Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Number of Positions: 4

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
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	No



Number of Positions 4 Number of Synal Positions 0 Number of Synal Positions 4 Contacts Preloxated Yes Electrical Characteristics Vers Operating Voltage 38 VAC Body Features Silicone Peripheral Seal Material Silicone Inviconmental Protection IP67 O-Ring Material Silicone Environmental Protection Type Scaled Shell Rase Material Unplated Shell Rase Material Plastic Croular Connector Insulation Material Type Polyamide 66 GF25 Hermelically Sealed Yes Contact Features Yes Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Machanical Attachment Connector Mounting Type Cable Mount (Free Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions PPolarization Code Usage Conditions PPolarization Code	Keying	A
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 Pating Material Unplated Shell Base Material Platfield Plastic Circular Connector Insulation Material Type Polyamide 66 GIP25 Hermetically Sealed Yes Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP67 Operating Temperature Range 40 85 °C[40 – 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal		4
Electrical Characteristics Operating Voltage 30 VAC Body Features Peripheral Seal Material Silicone Environmental Protection IP6/ O-Ring Material Silicone Environmental Protection IUpe Sealed Shell Plating Material Unplated Shell Plating Material Plastic Circular Connector Insulation Material Type Polyamide 66 GE25 Illemetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level 6 IP Water Sealing Level 1P6/ Operating Temperature Range 40 – 85 °C[40 – 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Number of Power Positions	0
Electrical Characteristics Operating Voltage 30 VAC Body Features Peripheral Seal Material Silicone Environmental Protection IP67 O-Ring Material Silicone Environmental Protection Vipe Sealed Shell Plating Material Umplated Shell Plastic Umplated 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 Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Scaling Level 6 IP Water Scaling Level 1P67 Operating Temperature Range 40 85 °C[40 185 °F] Operating Temperature Range 100 Cycles Circuit Application Signal	Number of Signal Positions	4
Operating Voltage 30 VAC	Contacts Preloaded	Yes
Body Features Peripheral Seal Material Silicone Livironmental Protection IP67 O Ring Material Silicone Environmental Protection Type Sealed Shell Plating Material Unplated 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 Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level 6 IIP Water Sealing Level IIP67 Operation/Application Operation/Application Circult Application Signal Circult Application Signal	Electrical Characteristics	
Peripheral Seal Material Environmental Protection O-Ring Material Silicone Environmental Protection Type Sealed Shell Plating Material Unplated Shell Rase Material Plastic Circular Connector Insulation Material Type Polyamide 66 GF25 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Operation/Application Durability Rating Circuit Application Signal	Operating Voltage	30 VAC
Environmental Protection IP67 O-Ring Material Silicone Environmental Protection Type Sealed Shell Plating Material Unplated Shell Base Material Plastic Circular Connector Insulation Material Type Polyamide 66 GF25 Hermetically Sealed Yes Contact Features Contact Gurrent Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP67 Operating Temperature Range 40 - 40 - 85 °C[-40 - 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Body Features	
O-Ring Material Environmental Protection Type Sealed Shell Plating Material Unplated 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 Mechanical Attachment Connector Mounting Type Cable Mount (Free Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Durability Rating Circuit Application Durability Rating Circuit Application Signal	Peripheral Seal Material	Silicone
Environmental Protection Type Sealed Shell Plating Material Unplated Shell Base Material Plastic Circular Connector Insulation Material Type Polyamide 66 GF25 Hermetically Sealed Yes Contact Features Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range -40 – 85 °C[-40 – 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Environmental Protection	IP67
Shell Plating Material Shell Base Material Plastic Circular Connector Insulation Material Type Polyamide 66 GF25 Hermetically Sealed Yes Contact Features Contact Current Rating (Max) Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Operation/Application Durability Rating Circuit Application Signal	O-Ring Material	Silicone
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 Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level 6 IP Water Sealing Level 1P67 Operating Temperature Range 40 – 40 – 85 °C[40 – 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Environmental Protection Type	Sealed
Circular Connector Insulation Material Type Hermetically Sealed Yes Contact Features Contact Current Rating (Max) Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Operation/Application Durability Rating Circuit Application Signal	Shell Plating Material	Unplated
Hermetically Sealed Yes Contact Features Contact Current Rating (Max) 3 A Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed 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	Shell Base Material	Plastic
Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Durability Rating Circuit Application Signal	Circular Connector Insulation Material Type	Polyamide 66 GF25
Contact Current Rating (Max) Reverse Gender Yes Circular Connector Contact Type Pin Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Polarization Durability Rating Circuit Application Signal	Hermetically Sealed	Yes
Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Cable Mount (Free-Hanging) Polarization Code A Mating Alignment Type Keyed Usage Conditions IP Dust Sealing Level IP Water Sealing Level IP Operating Temperature Range Operation/Application Durability Rating Circuit Application Yes Pin A Pin Pin A A A A A A A A A A Mating Alignment (Free-Hanging) A A Free-Hanging) A A A A A A A A A Durability Rating 100 Cycles Circuit Application Signal	Contact Features	
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Mating Alignment Type 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	Reverse Gender Circular Connector Contact Type	Yes
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	Reverse Gender Circular Connector Contact Type Mechanical Attachment	Yes Pin
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	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type	Yes Pin Cable Mount (Free-Hanging)
IP Water Sealing Level Operating Temperature Range -40 – 85 °C[-40 – 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code	Yes Pin Cable Mount (Free-Hanging) A
Operating Temperature Range -40 – 85 °C[-40 – 185 °F] Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type	Yes Pin Cable Mount (Free-Hanging) A
Operation/Application Durability Rating 100 Cycles Circuit Application Signal	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Usage Conditions	Yes Pin Cable Mount (Free-Hanging) A Keyed
Durability Rating Circuit Application Signal	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Usage Conditions IP Dust Sealing Level	Yes Pin Cable Mount (Free-Hanging) A Keyed
Circuit Application Signal	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Usage Conditions IP Dust Sealing Level IP Water Sealing Level	Yes Pin Cable Mount (Free-Hanging) A Keyed 6 IP67
	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range	Yes Pin Cable Mount (Free-Hanging) A Keyed 6 IP67
Shielded	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Operation/Application	Yes Pin Cable Mount (Free-Hanging) A Keyed 6 IP67 -40 – 85 °C[-40 – 185 °F]
	Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Usage Conditions IP Dust Sealing Level IP Water Sealing Level Operating Temperature Range Operation/Application Durability Rating	Yes Pin Cable Mount (Free-Hanging) A Keyed 6 IP67 -40 – 85 °C[-40 – 185 °F] 100 Cycles



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: JUNE 2024 (241) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (4% 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	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

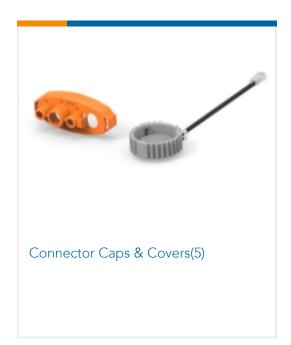
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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









M8/M12 Cable Assemblies(147)



Standard Circular Connectors(106)

Customers Also Bought



TE Part #5745783-5 25 MSFL RCPT RA 318 (SL,FM)



TE Part #T4072014031-001 M8.MLE.PNLFRONT.3POS.STR WIRE



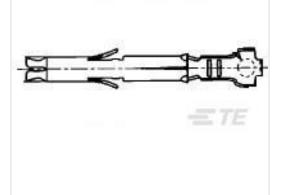
TE Part #T4113011051-000 M12 M, 5P GOLD A_CODE RA SHIELDED PG7



TE Part #5-146281-8 08 MODII HDR SRST B/A .100CL



TE Part #770986-1 MINI UMNL SOK 26-22AWG SN LP



TE Part #170365-1 MINI UNIVERSAL M-N-L SOCKET LP



TE Part #2367286-1 LTE ANTENNA COTS FPC ASSY 200mm Cable



TE Part #GA10K4A1IA DISCRETE 10K OHMS,+/-0.1C FROM 0C TO 70C



TE Part #393171-000 SO96-1-55-22-90



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Documents

Product Drawings

M8 T DISTRIBUTOR MALE 4POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4082102004-000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4082102004-000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4082102004-000_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

Product Specifications

Application Specification

English

Application Specification

English

Agency Approvals

UL

English