1-2823446-2 ACTIVE

M12 Connector

TE Internal #: 1-2823446-2

4 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, Code D, M12 Connector

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors > M12 Straight Crimped Strain Relief











Number of Positions: 4

Connector System: Cable-to-Cable

Sealable: **Yes**

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 4A

All M12 Straight Crimped Strain Relief (53)

Features

Signal Characteristics

Signal Characteristics	
Data Rate	≤1 Gb/s
Electrical Characteristics	
Operating Voltage	50 VDC
EMI & RFI Protection & Suppression Type	Shielding
Packaging Features	
Packaging Quantity	1
Termination Features	
Termination Method to Wire & Cable	Crimp
Industry Standards	
Compatible With Approved Standards Products	IEC
Usage Conditions	
IP Dust Sealing Level	6



Mating Retention Type Mating Alignment Mating Alignment Polarization Code Mating Alignment Type Mating Alignment Type Mating Retention Mating Alignment Type Keyed Mating Retention Mating Alignment Type Mating Retention Mating Alignment Mating Retention Mating Alignment Mating Retention Mating Alignment Mating Retention Mating Alignment Mating Retention Mating Alignment Mating A		
Methanical Attachment Mating Retention Type Mating Alignment Polarization Code Mating Alignment Type Mating Alignment Type Mating Retention Mating Alignment Type Mating Retention Mating Retenti	IP Water Sealing Level	IP67
Mating Alignment Mating Alignment Type Mating Alignment Type Mating Alignment Type Mating Alignment Type Mating Retention Moting Alignment Type With Moting Retention Moting Retention Moting Alignment Type Product Weight O-Ring Material Moting Moti	Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Mating Alignment Type Keyed Mating Alignment Type Keyed Mating Retention With Mating Retention Product Weight With Mating Retention Mith Mith	Mechanical Attachment	
Polarization Code Mating Alignment Type Mating Retention With Sody Features Product Weight O-Ring Material Environmental Protection Environmental Protection Type Environmental Protection Type Sealed Primary Product Color Shell Rase Material Circular Connector Insulation Material Type Hermetically Sealed Ves Poperation/Application Durability Rating Circuit Application Sincled Sincled Circuit Application Direction Signal Shelded Protection Signal Circuit Application Circular Connector Shell Type Assembly Requirement Circular Connector Shell Type Assembly Type Prewired Assembly Type Prewired Connector System Connector System Connector System Connector System Connector System Connector Scottact Terminates To Connector & Contact Terminates To Contact	Mating Retention Type	Threaded
Mating Alignment Type Mating Retention Material Product Weight Query Retention Primary Product Color Primary Product Color Material Material Material Material Plastic Material Plastic Material Mater	Mating Alignment	With
Mating Retention With Sody Features Product Weight 25 gl.8832 oz] O-Ring Material Silicone Rubber Environmental Protection IP67 Environmental Protection Type Sealed Primary Product Color Black Shell Base Material Plastic Circular Connector Insulation Material Type Iow Fire Hazard Thermoplastic Hermetically Sealed Yes Operation/Application Durability Rating 250 Cycles Circuit Application Signal Shielded Yes Product Type Features Assembly Requirement Factory Assembled Circular Connector Shell Type All Plastic Connector Product Type Electrical Connector Prewired No Connector System Sealable Yes Connector & Contact Terminates To Wire & Cable Vier & Cable Vier & Cable	Polarization Code	D
Product Weight 25 gl.8832 ozl O-Ring Material 5ilicone Rubber Environmental Protection 1P67 Environmental Protection Type 5caled Primary Product Color Black Shell Base Material Plastic Circular Connector Insulation Material Type Low Fire Hazard Thermoplastic Hermetically Scaled Yes Operation/Application Durability Rating 250 Cycles Circuit Application Shielded Yes Product Type Features Assembly Requirement Factory Assembled Circular Connector Shell Type All Plastic Connector Product Type Electrical Connector Product Type Electrical Connector Product Type Connector System Cable-to-Cable Sealable Yes Connector & Contact Terminates To Wire & Cable Wire & Cable	Mating Alignment Type	Keyed
Product Weight 25 g[.8832 oz] O-Ring Material Silicone Rubber Environmental Protection Ippe Sealed Primary Product Color Black Shell Base Material Plastic Circular Connector Insulation Material Type Iow Fire Hazard Thermoplastic Hermetically Sealed Yes Operation/Application Durability Rating 250 Cycles Circuit Application Silical Yes Product Type Features Assembly Requirement Factory Assembled Circular Connector Shell Type All Plastic Connector Product Type Electrical Connector Prewired No Connector System Cable-to-Cable Sealable Connector & Contact Terminates To Wire & Cable-to-Cable Wire & Cable-to-Cable	Mating Retention	With
O-Ring Material Silicone Rubber Environmental Protection IP67 Environmental Protection Type Sealed Primary Product Color Black Shell Base Material Plastic Circular Connector Insulation Material Type Low Fire Hazard Thermoplastic Hermetically Sealed Yes Operation/Application Durability Rating 250 Cycles Circuit Application Signal Shielded Yes Product Type Features Assembly Requirement Factory Assembled Circular Connector Shell Type All Plastic Connector Product Type Electrical Connector Prewired No Connector System Cable to Cable Sealable Connector & Contact Terminates To Wire & Cable Wire & Cable Wire & Cable	Body Features	
Environmental Protection Environmental Protection Type Environmental Protection Type Sealed Primary Product Color Black Shell Base Material Plastic Circular Connector Insulation Material Type Low Fire Hazard Thermoplastic Hermetically Sealed Poperation/Application Urability Rating Circuit Application Shielded Product Type Features Assembly Requirement Circular Connector Shell Type Connector Product Type Assembly Type Prewired No Connector System Sealable Sealable Connector & Contact Terminates To Wire & Cable	Product Weight	25 g[.8832 oz]
Environmental Protection Type Primary Product Color Black Shell Base Material Circular Connector Insulation Material Type Hermetically Sealed Peration/Application Durability Rating Circuit Application Shielded Product Type Features Circular Connector Shell Type Assembly Requirement Circular Connector Shell Type Assembly Type Prewired No Connector System Sealable Yes Connector & Contact Terminates To Wire & Cable	O-Ring Material	Silicone Rubber
Primary Product Color Shell Base Material Shell Base Material Circular Connector Insulation Material Type Hermetically Sealed Ves Departion/Application Durability Rating Durability Rating Shielded Yes Product Type Features Assembly Requirement Circular Connector Shell Type Assembly Type Prewired Assembly Type Prewired No Connector System Sealable Yes Connector & Contact Terminates To Wire & Cable Wire & Cable Wire & Cable	Environmental Protection	IP67
Shell Base Material Circular Connector Insulation Material Type Hermetically Sealed Operation/Application Durability Rating Circuit Application Shielded Yes Product Type Features Assembly Requirement Circular Connector Shell Type Connector Product Type Prewired Connector System Sealable Connector & Contact Terminates To Plastic Low Fire Hazard Thermoplastic Lo	Environmental Protection Type	Sealed
Circular Connector Insulation Material Type Hermetically Sealed Poperation/Application Durability Rating Circuit Application Shielded Product Type Features Assembly Requirement Circular Connector Shell Type Connector Product Type Prewired Assembly Type Prewired Connector System Connector System Connector System Connector & Contact Terminates To Low Fire Hazard Thermoplastic Yes	Primary Product Color	Black
Hermetically Sealed Poperation/Application Durability Rating Circuit Application Shielded Product Type Features Assembly Requirement Circular Connector Shell Type Assembly Type Prewired Connector System Sealable Connector & Contact Terminates To Wire & Cable Wire & Cable Wire & Cable	Shell Base Material	Plastic
Durability Rating 250 Cycles Circuit Application Signal Shielded Yes Product Type Features Assembly Requirement Factory Assembled Circular Connector Shell Type All Plastic Connector Product Type Electrical Connector Prewired No Connector System Cable-to-Cable Sealable Yes Connector & Contact Terminates To Wire & Cable Wire & Cable	Circular Connector Insulation Material Type	Low Fire Hazard Thermoplastic
Durability Rating 250 Cycles Circuit Application Signal Shielded Yes Product Type Features Assembly Requirement Factory Assembled Circular Connector Shell Type Assembly Connector Product Type Electrical Connector Prewired No Connector System Cable-to-Cable Sealable Yes Connector & Contact Terminates To Wire & Cable	Hermetically Sealed	Yes
Circuit Application Shielded Yes Product Type Features Assembly Requirement Circular Connector Shell Type Connector Product Type Assembly Type Electrical Connector Prewired No Connector System Connector System Sealable Yes Connector & Contact Terminates To Wire & Cable	Operation/Application	
Shielded Yes 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	Durability Rating	250 Cycles
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	Circuit Application	Signal
Assembly Requirement 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	Shielded	Yes
Circular Connector Shell Type Connector Product Type Connector Assembly Assembly Type Electrical Connector No Connector System Cable-to-Cable Sealable Connector & Contact Terminates To Wire & Cable	Product Type Features	
Connector Product Type Assembly Type Electrical Connector Prewired No Connector System Cable-to-Cable Sealable Yes Connector & Contact Terminates To Wire & Cable	Assembly Requirement	Factory Assembled
Assembly Type Electrical Connector Prewired No Connector System Cable-to-Cable Sealable Yes Connector & Contact Terminates To Wire & Cable	Circular Connector Shell Type	All Plastic
Prewired No Connector System Cable-to-Cable Sealable Yes Connector & Contact Terminates To Wire & Cable	Connector Product Type	Connector Assembly
Connector System Sealable Connector & Contact Terminates To Wire & Cable Wire & Cable	Assembly Type	Electrical Connector
Sealable Connector & Contact Terminates To Wire & Cable	Prewired	No
Connector & Contact Terminates To Wire & Cable	Connector System	Cable-to-Cable
	Sealable	Yes
Circular Connector Type Receptacle	Connector & Contact Terminates To	Wire & Cable
	Circular Connector Type	Receptacle

Plastic

Shell Type



Configuration Features

Keying & Polarized Position Locations	D
Factory Installed Backshell	With
Number of Positions	4
Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	Yes
Contact Features	
Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket
Housing Features	
Circular Connector Shell Size	16
Other	
EU RoHS Compliance	Compliant

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts









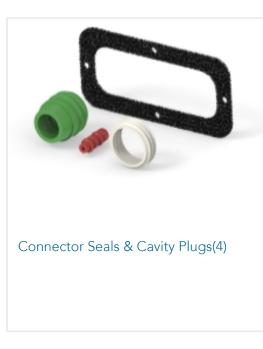


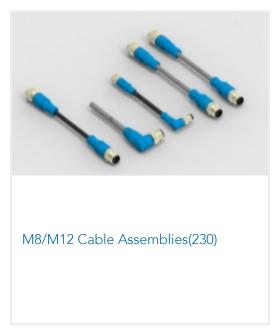


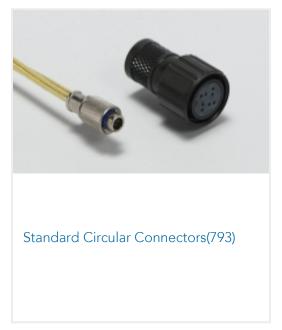


Also in the Series | M12 Connector









Customers Also Bought

4 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, Code D, M12 Connector





TE Part #T4110001081-000 M12,FEMALE,STRAIGHT,A CODE,8P, PG7,GOLD



TE Part #2-1676625-7 HSA25 240R 5%



TE Part #211767-1 17-9 CPC RECEPT



TE Part #211769-3 17-9 CPC RECEPT REV SEX



TE Part #102241-6
08 MODIV HSG COMP SR .100 POL



TE Part #1-66360-6
III+SKT,18-14,TIN STRIP LP



TE Part #1-66105-9
III+ SKT,24-20,TIN,LP



TE Part #66103-4
III+ PIN,24-20,30AU/FL,LP



TE Part #66361-4
PIN ASSEMBLY, LOOSE PIECE, TYPE
III+



Documents

Product Drawings

M12 D-F-4 CRIMP ST CAT 5 RADOX 7.3MM,H&S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2823446-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2823446-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2823446-2_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

4 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, Code D, M12 Connector



M12 RAIL CONNECTOR SERIES

English

M12 Rail Straight Connector

English

Product Specifications

Product Specification

English