



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Board**
Connector Mounting Type: **Board Mount**
Number of Positions: **4**
Sealable: **No**
Connector & Contact Terminates To: **Printed Circuit Board**

Features

Product Type Features

Product Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Receptacle

Configuration Features

Keying	A
Number of Positions	4
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Environmental Protection	IP65, IP67
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Contact Features

Contact Current Rating (Max)	3 A
Reverse Gender	No
Circular Connector Contact Type	Socket

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Polarization Code	A
Mating Alignment Type	Polarization
Mating Retention	Without

Dimensions

Assembly Length	16.25 mm[.639 in]
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Usage Conditions

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

Operation/Application

Durability Rating	100 Cycles
Circuit Application	Power, Signal & High Speed Data
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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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	Compliant
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: JUNE
2024 (241)
Does not contain REACH SVHC

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.

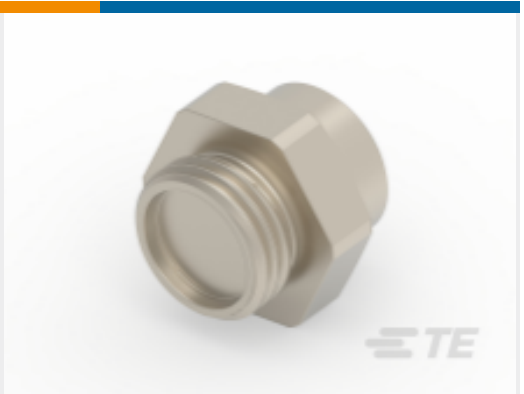
Compatible Parts



TE Part # CAT-C73765-M1
M8 Field Installable



TE Part # T4051120004-001
M8 CABLE ST MALE 0.5M 4P PUR CABLE



TE Part # 254154-E
M8 METAL SHELL, FEMALE, VERT, 9MM



TE Part # 284067-E
M8 METAL SHELL, FEMALE, VERT, 13MM



TE Part # 394905-E
MRDEZT MUTTER M10 X 1 FUER PL. DI 1MM **



TE Part # 484599-E
M8 FEMALE, A CODE, 3P, 16.25MM SMT

Also in the Series | M8 Connector



Connector Caps & Covers(5)



Connector Hardware(4)



M8/M12 Cable Assemblies(147)



Standard Circular Connectors(106)

Customers Also Bought



TE Part #234041-E
M12 FEMALE, D CODE, 4P, 17MM SMT



TE Part #224152-E
M8 MALE, A CODE, 4P, 16.25MM SMT



TE Part #284067-E
M8 METAL SHELL, FEMALE, VERT, 13MM



TE Part #284322-E
M12 FEMALE, A CODE, 4P, 17MM SMT



TE Part #354131-E
M12 FEMALE, A CODE, 8P, 17MM SMT



TE Part #515129-E
M12 MALE, B CODE, 5P, 10.5MM SMT



TE Part #534075-E
M12 FEMALE, D CODE, 4P, 17MM SMT



TE Part #284363-E
MRDEZT M12 GEH.TEIL ML DM 9,55 A=13MM *



TE Part #ADA021F01000101000
623 Durchfuehrung

Documents

Product Drawings

M8 FEMALE, A CODE, 4P, 16.25MM SMT

English

CAD Files

Customer View Model

ENG_CVM_CVM_224151-E_1.2d_dxf.zip

English

Customer View Model



[ENG_CVM_CVM_224151-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_224151-E_1.3d_igs.zip](#)

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[ERNI M8M12 Circular Connectors](#)

English

[ERNI M8M12 Circular Connectors](#)

German

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English