



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: Cable-to-Board

Number of Positions: 8

Sealable: No

Connector & Contact Terminates To: Printed Circuit Board

Contact Current Rating (Max): 4 A

Features

Product Type Features

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

Configuration Features

Keying	A
Number of Positions	8
Contacts Preloaded	Yes

Body Features

Environmental Protection	IP65, IP67
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Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	No



Circular Connector Contact Type	Pin
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Termination Features

Termination Method to Printed Circuit Board	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

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

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

Industry Standards

UL Flammability Rating	UL 94 V-0
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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	Not Yet Reviewed
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 2023 (233) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.5% in Component Part) 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 # T4110012081-000
M12 F, 8P GOLD A_CODE S
SHIELDED PG9



TE Part # T4112012081-000
M12 F, 8P GOLD A_CODE RA
SHIELDED PG9



TE Part # T4161320008-001
RPC-M12-FS-8CON-PUR-0.5SH



TE Part # 394863-E
MRDEZT M12 GEH.TEIL ML DM 9,55
A=13MM *



TE Part # 464272-E
MRDEZT M12 GEHAEUSETTEIL ML
ABST. 9MM **

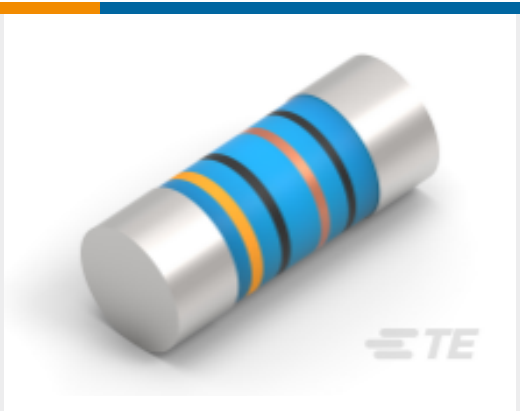
Customers Also Bought



TE Part #5787834-2
STD USB TYPE B, VERTICAL, T/H,
NATURAL



TE Part #2267078-6
TMS3T5B2M6RE



TE Part #4-2176314-2
MELF SMA_A 390R 1% 50PPM 0102 0.3
W



TE Part #224152-E
M08 M 4 A H S * 201 16,3 094 * * * *
H00





TE Part #254537-E
SMCQ 20 M AB VV 8-03 CL * H007 137 E005



TE Part #484790-E
M12 M 4 A * S * 201 10,5 094 * * * ODV 9



TE Part #515814-E
M08 F 6 A H S * 301 16,3 094 * * * V P00



TE Part #CB5333-000
SST-48-07/CL/226

TE Part #225441-E
CCCS M12 4 M-S * D RJ45 8 M-S * * PUR 60

TE Part #5420E-100-A-H-S
100 PSIA SO-8 PRESSURE SENSOR

Documents

Product Drawings

M12 M 8 A * S * 201 10,5 094 * * * ODV 9

English

CAD Files

Customer View Model

ENG_CVM_CVM_464676-E_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_464676-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_464676-E_1.2d_dxf.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

