



Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **5**

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	Receptacle

Configuration Features

Keying	B
Number of Positions	5
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	Socket
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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	B
Mating Alignment Type	Polarization
Mating Retention	Without

Dimensions

Assembly Length	17 mm
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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
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: JAN 2023 (233) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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>

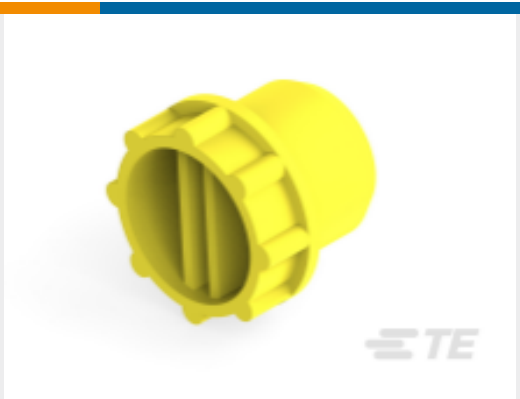
Compatible Parts



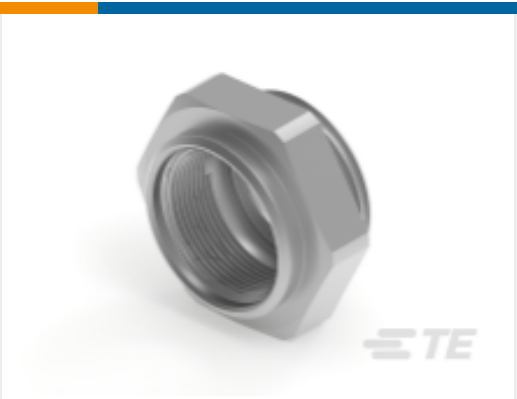
TE Part # T4111412051-000
M12 M, 5P GOLD B_CODE S
SHIELDED PG9



TE Part # T4113412051-000
M12 M, 5P GOLD B_CODE RA
SHIELDED PG9



TE Part # 374343-E
CCA PC M12 * F * * * * * J 3 22553



TE Part # 394828-E
MRDEZT M12 GEHAEUSETAIL FL
ABST. 9MM **



TE Part # 394847-E
MRDEZT M12 GEHAEUSETAIL FL
ABST. 13MM *

Customers Also Bought



TE Part #234041-E
M12 F 4 D H S * 201 17,0 094 * * * * 999



TE Part #244790-E
M12 M 5 A H S * 201 17,0 094 * * * * 001



TE Part #244837-E
SMCQ 26 M AB VV 8-13 CL * H007 137
E005



TE Part #254188-E
M12 M 4 A H S * 201 17,0 094 * * * * 001





TE Part #394811-E
M12 F 8 X H S * 301 17,0 112 * Y * C6A
P



TE Part #454950-E
M12 F 5 A H S * 207 17,0 094 * * * * 999



TE Part #454952-E
M12 F 8 A H S * 207 17,0 094 * * * * 999



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



TE Part #494094-E
M12 MF 4 A * F * 301 26,0 094 * * * * 99

TE Part #838012-E
IDCCS SMC 1,27 26 * AU NC 50 PVC
RD J 2

Documents

Product Drawings

M12 F 5 B H S * 207 17,0 094 * * * * 999

English

CAD Files

Customer View Model

ENG_CVM_CVM_454951-E_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_454951-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_454951-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

