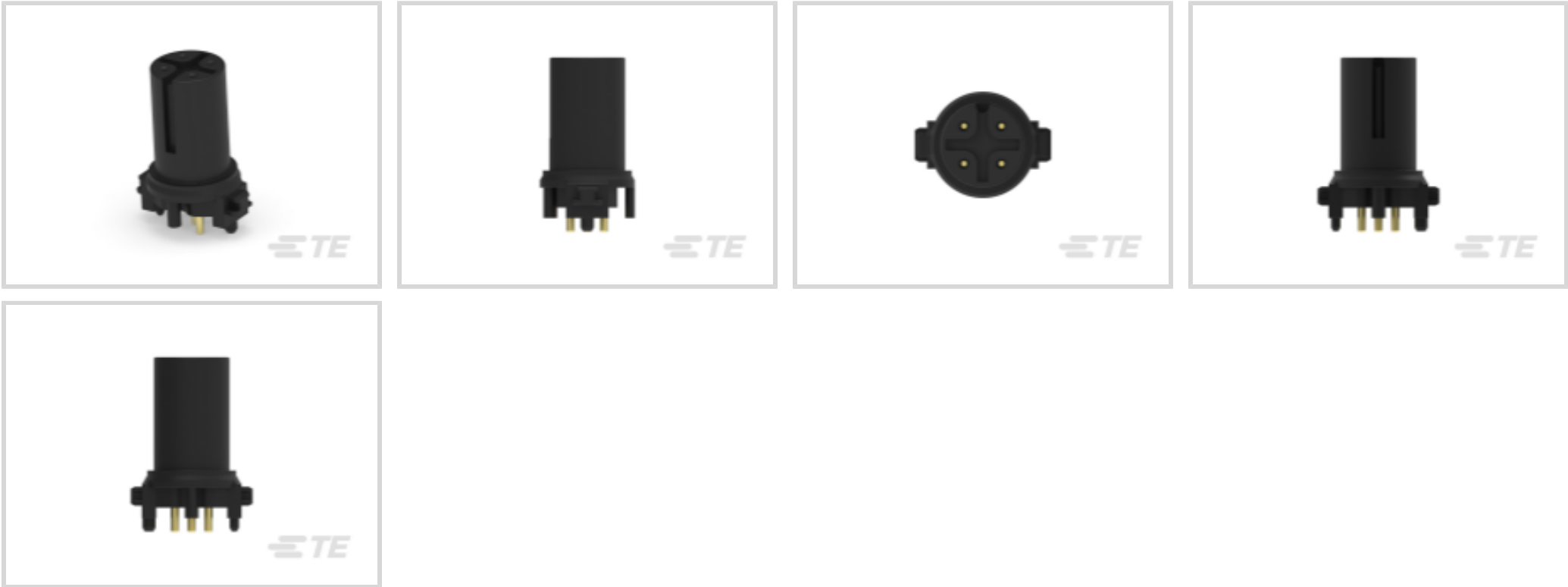




Connectors > Circular Connectors > Standard Circular Connectors



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	A
Number of Positions	5
Contacts Preloaded	Yes

Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	No
Circular Connector Contact Type	Socket

Termination Features



Termination Method to Printed Circuit Board	Through Hole - Solder
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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

Circuit Application	Power, Signal & High Speed Data
Shielded	No

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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.5% in Component Part) <b>Article Safe Usage Statements:</b> 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 # T4161120005-001  
RPC-M12-MS-5CON-PUR-0.5SH

TE Part # T4113012051-000  
M12 M, 5P GOLD A\_CODE RA SHIELDED PG9

TE Part # T4111012051-000  
M12 M, 5P GOLD A\_CODE S 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 #1-1462037-8  
IM03TS=IM RELAY 140mW 5V

TE Part #963357-2  
Low & Medium Power Header

TE Part #929674-1  
DECKEL F 55P GEH

TE Part #828907-1  
55P JUN-POW-TIM GEH

TE Part #474665-E  
M12 F 4 D H S \* 301 17,0 094 \* \* \* V 999

TE Part #484118-E  
M12 M 5 A H T 3,0 301 17,0 094 \* \* \* \* 0

TE Part #494083-E  
M12 F 4 D H T 1,4 9999 17,0 094 \* \* \* 99

TE Part #494562-E  
M12 F 5 B H T 1,4 9999 17,0 094 \* \* \* 99

Documents

Product Drawings



M12 F 5 A H T 1,4 9999 17,0 094 \* \* \* 99

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_494081-E\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_494081-E\_1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_494081-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