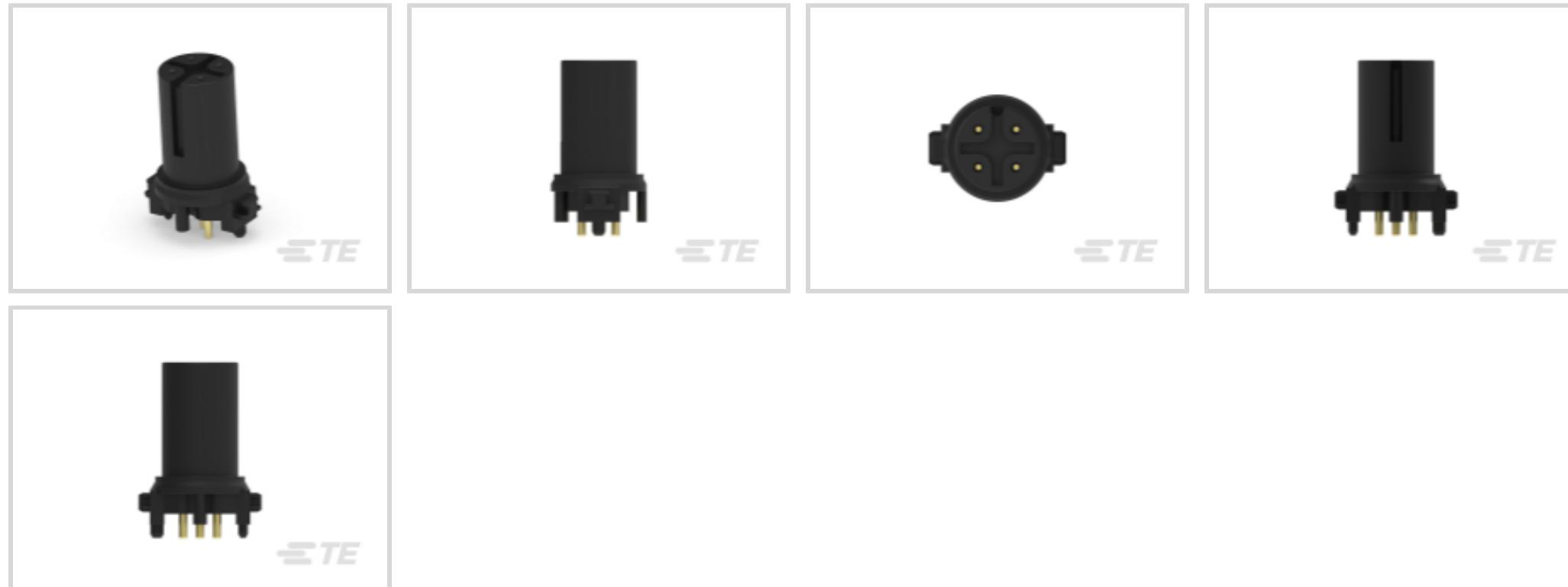


Connectors &gt; Circular Connectors &gt; Standard Circular Connectors

Connector System: **Cable-to-Board**Connector Mounting Type: **Board Mount**Number of Positions: **5**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	5
Contacts Preloaded	Yes

### Body Features

Entry Style	Top
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### Contact Features

Contact Current Rating (Max)	4 A
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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

### 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

Circuit Application	Power, Signal & High Speed Data
Shielded	No

### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://TE.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (3% in Component Part) <small>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.</small>
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 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  
M12 METAL SHELL, FEMALE, VERT,  
9MM, C6A



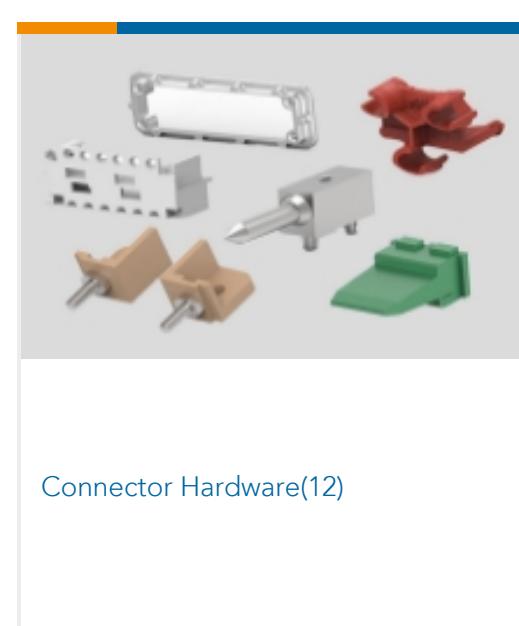
TE Part # 394847-E  
M12 METAL SHELL, FEMALE, VERT,  
13MM, C6A

## Also in the Series

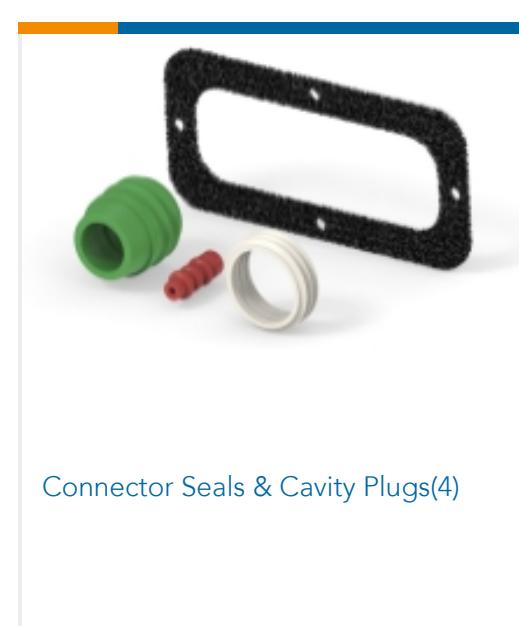
## M12 Connector



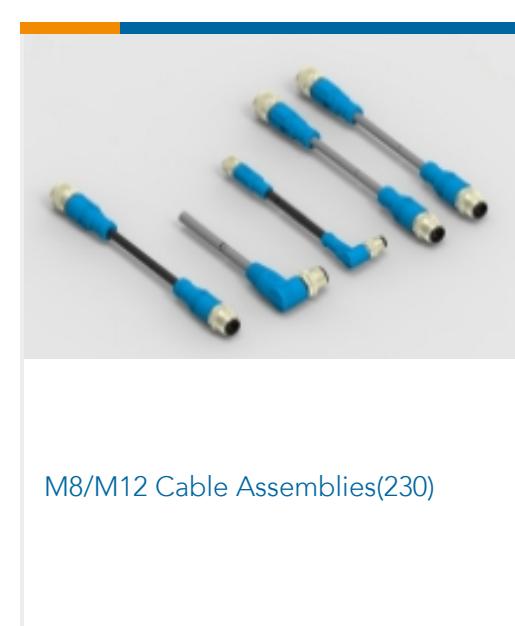
Connector Caps & Covers(5)



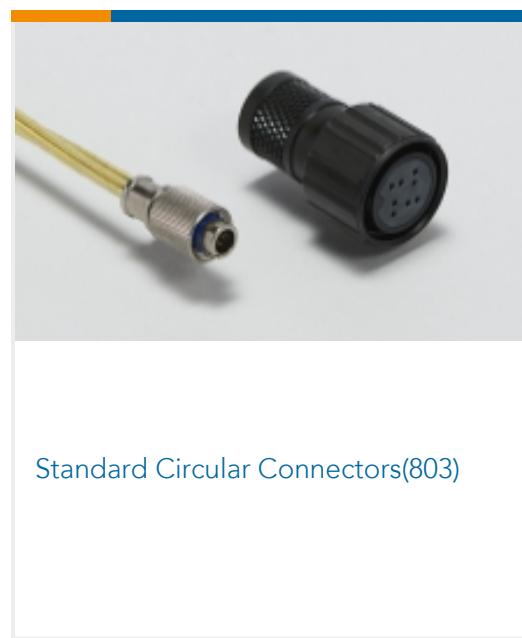
Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

## Customers Also Bought

TE Part # NB-PTCO-164  
Pt1000, 2.0x2.3, Class A, PTFC102A1A0TE Part # 1-1956170-6  
RY211012RTE Part # 1447360-9  
3100069=SEALED FINGR 1715EMBOSTE Part # 828801-6  
Low & Medium Power HeaderTE Part # 474665-E  
M12 FEMALE, D CODE, 4P, 17MM  
SMTTE Part # 494083-E  
M12 FEMALE, D CODE, 5P, 17MM  
THRTE Part # 2176606-7  
RLC73PD 3A R698 1% 2K RLTE Part # 1-2176606-8  
RLC73PD 3A R909 1% 2K RL

## Documents

### Product Drawings

[M12 FEMALE, A CODE, 5P, 17MM THR](#)

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.

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**Datasheets & Catalog Pages**

[ERNI M8M12 Circular Connectors](#)

English

[ERNI M8M12 Circular Connectors](#)

German

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL](#)

English