

484074-E ✓ ACTIVE

ERNI | M12 Connector

TE Internal #: 484074-E

12 Position Circular Connector, Cable-to-Board, Printed Circuit Board, Power, Signal & High Speed Data, Board Mount, A Code, M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors



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

Connector Mounting Type: **Board Mount**

Number of Positions: **12**

Sealable: **No**

Connector & Contact Terminates To: **Printed Circuit Board**

## Features

### Product Type Features

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

Number of Positions	12
Contacts Preloaded	Yes

### Body Features

Entry Style	Top
Environmental Protection	IP65, IP67

### 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 PCB	Surface Mount
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### Mechanical Attachment

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

Assembly Length	17 mm
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### Usage Conditions

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

Durability Rating	100 Cycles
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Circuit Application	Power, Signal & High Speed Data
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Shielded	No
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### 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 with Exemptions
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (4% in Component Part)
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**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

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.

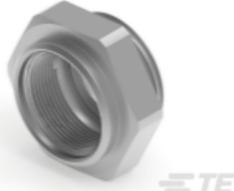
## Compatible Parts



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



TE Part # 6-2271123-2  
M12, MALE, A CODE, R/A, 12P, PG9,  
SHIELDED(AU)



TE Part # 394828-E  
M12 METAL SHELL, FEMALE, VERT,  
9MM, C6A

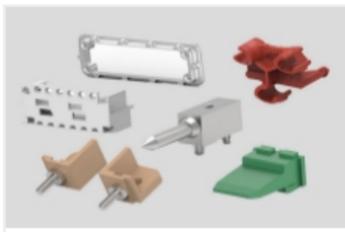


TE Part # 374343-E  
CCA PC M12 \* F \*\*\*\*\* J 3 22553



TE Part # 6-2271111-2  
M12, MALE, A CODE, 12P, PG9,  
SHIELDED(AU)

Also in the Series | [M12 Connector](#)



Connector Hardware(11)



Connector Seals &amp; Cavity Plugs(4)

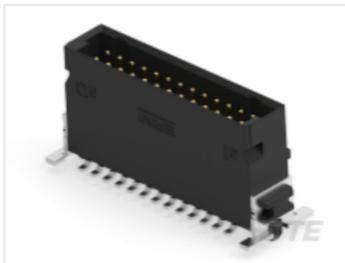


M8/M12 Cable Assemblies(230)

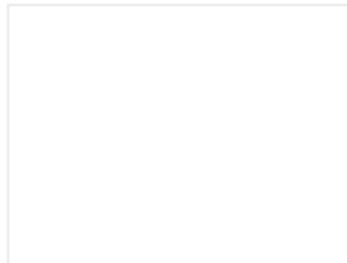


Standard Circular Connectors(792)

## Customers Also Bought



TE Part #234207-E  
SMCQ 26 M AB VV 8-23 CL \* H007 137 E005



TE Part #223934-E  
STVB/3 20 F AB VV 7-00 TL 4,0 \* 247 E007



TE Part #294920-E  
SRCP 1,27 12 M 1 SMD 137 E1 094 \* GU-H \*



TE Part #284810-E  
M12 MALE, A CODE, 8P, 10.5MM SMT



TE Part #354097-E  
SMCB 40 M AB VV 7-03 CL \* 0007 137 E004



TE Part #446638-000  
STD03W-8



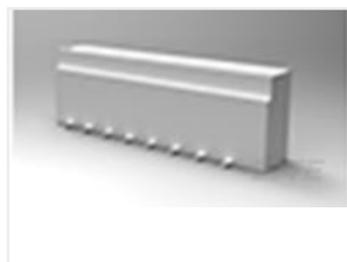
TE Part #484574-E  
M12 FEMALE, D CODE, 4P, 17MM SMT



TE Part #354314-E  
DRCBTB 1,27 50 M BTB34 32,2 137 \* 094 TR



TE Part #474053-E  
M12 FEMALE, A CODE, 4P, 17MM SMT



TE Part #84982-4  
1MM FFC SMT V ASSY 4P EMBOSS

## Documents

### Product Drawings

[M12 FEMALE, A CODE, 12P, 17MM SMT](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_484074-E\\_1.3d\\_stp.zip](#)

English

[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_484074-E\\_1.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_484074-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