

494335-E ✓ ACTIVE

ERNI | M12 Connector

TE Internal #: 494335-E

Cable-to-Board, Circular Connector Plug, 5 Position, Sealable, Printed Circuit Board, Power, Signal & High Speed Data, Board Mount, 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: **5**

Sealable: **Yes**

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

## Features

### Product Type Features

|                                   |                         |
|-----------------------------------|-------------------------|
| Connector Product Type            | Connector Assembly      |
| Connector System                  | Cable-to-Board          |
| Sealable                          | Yes                     |
| Connector & Contact Terminates To | Printed Circuit Board   |
| Circular Connector Type           | Circular Connector Plug |

### Configuration Features

|                     |     |
|---------------------|-----|
| Number of Positions | 5   |
| Contacts Preloaded  | Yes |

### Body Features

|                          |            |
|--------------------------|------------|
| Environmental Protection | IP65, IP67 |
|--------------------------|------------|

### Contact Features

|                                 |     |
|---------------------------------|-----|
| Contact Current Rating (Max)    | 4 A |
| Reverse Gender                  | No  |
| Circular Connector Contact Type | Pin |



### Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

### Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment        | With         |
| PCB Mount Retention     | With         |
| PCB Mount Alignment     | 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] |
|-----------------------------|---------------------------|

### Operation/Application

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

### Product Compliance

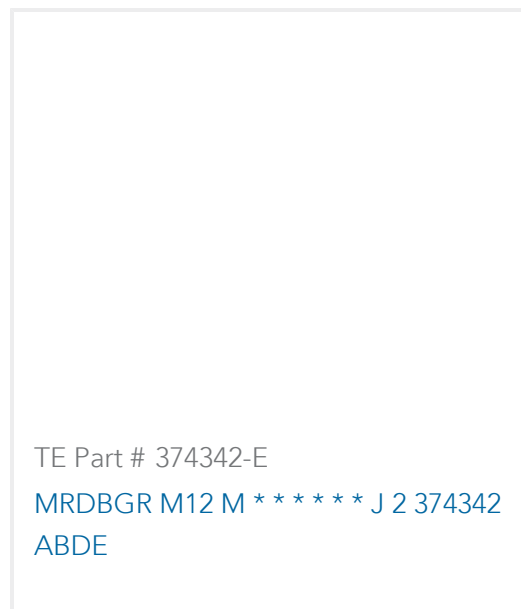
[For compliance documentation, visit the product page on TE.com>](#)

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions   |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Pb (2.7% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 < 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 # 374342-E  
MRDBGR M12 M \*\*\*\*\* J 2 374342  
ABDE



TE Part # 834899-E  
SCH SCHE O-RING 14,0X1,0 NBR  
SCHWARZ M 1



TE Part # T4161320005-001  
RPC-M12-FS-5CON-PUR-0.5SH



TE Part # T4112012051-000  
M12 F, 5P GOLD A\_CODE RA  
SHIELDED PG9



TE Part # 464272-E  
M12 METAL SHELL, MALE, VERT, 9MM



TE Part # 394863-E  
M12 METAL SHELL, MALE, VERT,  
13MM, D9.55

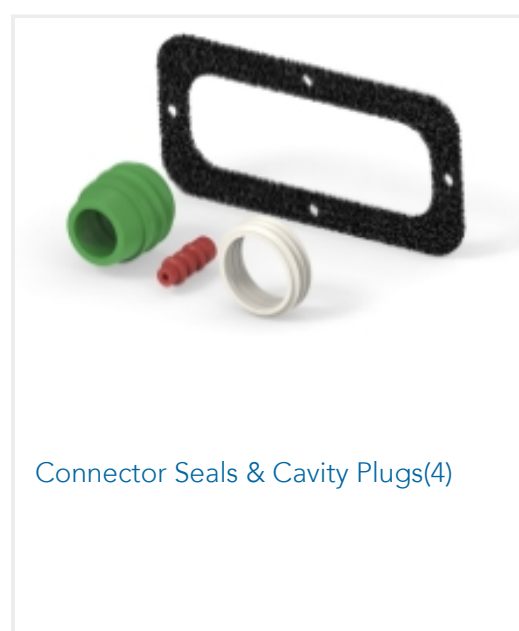


TE Part # T4110012051-000  
M12 F, 5P GOLD A\_CODE S  
SHIELDED PG9

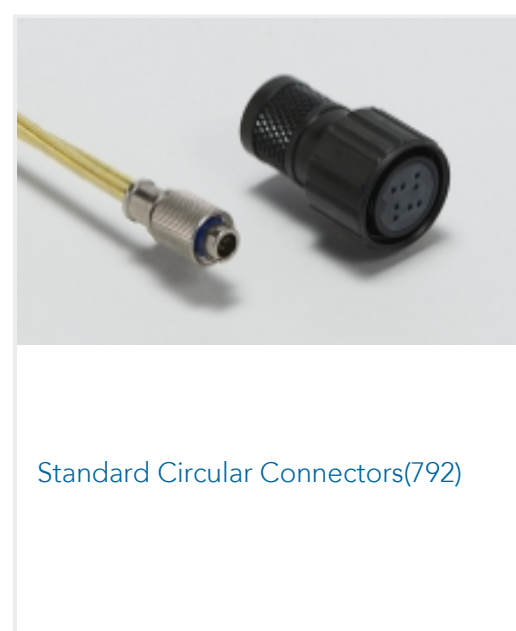
### Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



Standard Circular Connectors(792)

### Customers Also Bought



## Documents

### Product Drawings

[M12 MALE, A CODE, 5P, 10.5MM SMT](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_494335-E\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_494335-E\\_1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_494335-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

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[Product Specifications](#)

[Application Specification](#)

English

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[Agency Approvals](#)

[UL](#)

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