



TE Internal #: ZPF00000000012457

Wire-to-Panel, Circular Connector Receptacle, 12 Position, Shell Size 12, Sealable, Wire & Cable, Power, Signal & High Speed Data, Panel Mount

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**

Connector Mounting Type: **Panel Mount**

Number of Positions: **12**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

## Features

### Product Type Features

Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Prewired	No
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Circular Connector Receptacle
Shell Type	Square Flange

### Configuration Features

Factory Installed Backshell	No
Number of Positions	12
Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	No

### Electrical Characteristics

Operating Voltage	115 VDC
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### Body Features



Shell Plating Material	Cadmium
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

### Contact Features

Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	12 – 0
Circular Connector Contact Type	Less Socket

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Panel Mount Feature Type	Square Flange
Mating Retention Type	Push-Pull Self-Locking
Connector Mounting Type	Panel Mount

### Housing Features

Circular Connector Shell Size	12
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### Dimensions

Wire Size	20 – 24 AWG
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### Usage Conditions

Operating Temperature Range	-65 – 200 °C[-85 – 392 °F]
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### Operation/Application

Durability Rating	500 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	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
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)

Candidate List Declared Against: JAN 2025 (247)

SVHC > Threshold:

Cd (2% in plating)

Dodecamethylcyclotetrasiloxane (D6) (1% in component)

Decamethylcyclopentasiloxane (D5) (1% in component)

Octamethylcyclotetrasiloxane (D4) (1% in component)

**Article Safe Usage Statements:**

Use personal protective equipment as required. 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>

## Customers Also Bought





## Documents

### Product Drawings

[DBAS 70-12-0 SN 090-6117](#)

English

### Datasheets & Catalog Pages

[DEUTSCH DBAS Series Connectors](#)

English