

DEUTSCH

TE Internal #: DG1230R20-45P2

Wire-to-Wire, Circular Connector Receptacle, 45 Position, Shell Size 20, Sealable, Wire & Cable, Power & Signal, Panel Mount, Tin, Composite, Code 2

[View on TE.com >](#)[Connectors > Circular Connectors > Standard Circular Connectors](#)Connector System: **Wire-to-Wire**Connector Mounting Type: **Panel Mount**Number of Positions: **45**Sealable: **Yes**Connector & Contact Terminates To: **Wire & Cable**

## Features

### Product Type Features

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

### Configuration Features

Factory Installed Backshell	Without
Keying & Polarized Position Locations	2
Number of Positions	45
Number of Power Positions	45
Number of Signal Positions	45
Contacts Preloaded	No

### Electrical Characteristics

Operating Voltage	850 VDC
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### Body Features

Primary Product Color	Gray
Shell Plating Material	Tin
Shell Base Material	Composite
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

### Contact Features

Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	20 – 45
Circular Connector Contact Type	Pin

### Mechanical Attachment

Mating Retention Type	Bayonet
Connector Mounting Type	Panel Mount
Polarization Code	2
Mating Alignment Type	Keyed
Mating Retention	With

### Housing Features

Circular Connector Shell Size	20
Alignment Keyed	Clocking

### Dimensions

Wire Size	12 – 14 AWG
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### Usage Conditions

Operating Temperature Range	-65 – 175 °C [-85 – 347 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted

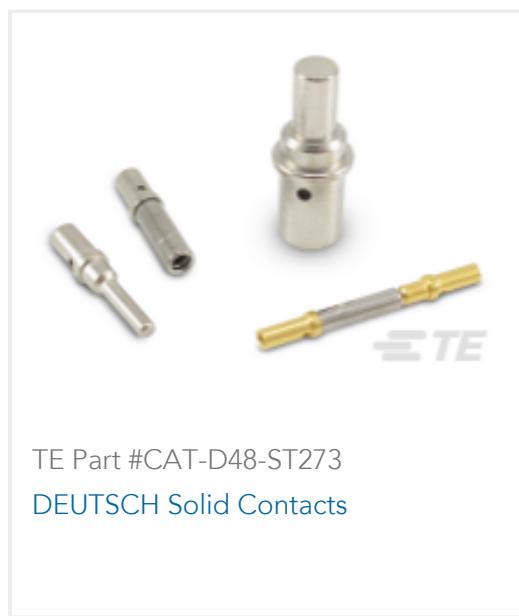
Substance(s) Above Threshold	
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Decamethylcyclopentasiloxane (D5) (5% in Component Part) Pb (2% in Component Part) Article Safe Usage Statements: Do not 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	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability
Product Compliance Disclaimer	
<p>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: <a href="https://echa.europa.eu/guidance-documents/guidance-on-reach">https://echa.europa.eu/guidance-documents/guidance-on-reach</a></p>	

## Compatible Parts



TE Part # M15570-20  
[TOOL INS/REM](#)

## Customers Also Bought



TE Part #CAT-D48-ST273  
[DEUTSCH Solid Contacts](#)



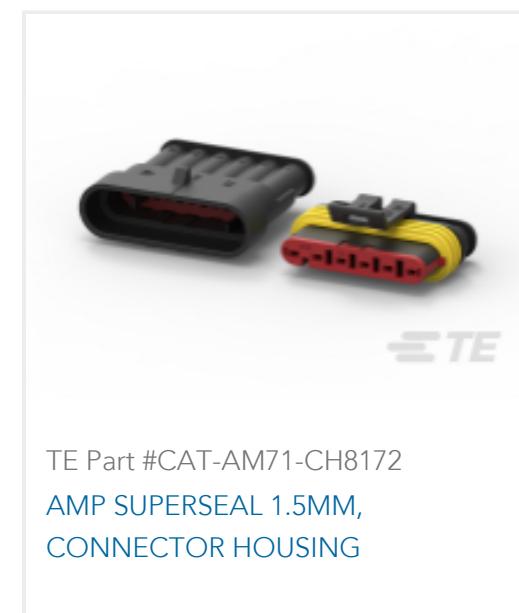
TE Part #DT04-2P  
[REC, 2P, GRY, N](#)



TE Part #CAT-D487-W416  
[Wedgelocks: DEUTSCH DT](#)



TE Part #DT06-2S  
[PLG, 2P, GRY, N](#)

TE Part #206070-8  
CABLE CLAMP KIT #17TE Part #281934-2  
SINGLE WIRE SEALTE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

## Documents

### Product Drawings

#### RECP ASSY

English

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### Datasheets & Catalog Pages

#### DEUTSCH DG123 MIL-C-29600 Connectors

English