



DEUTSCH

TE Internal #: YDTS20W25-35SNV001

Standard Circular Connectors, Cable-to-Panel, 128 Position, Sealable, Wire & Cable, Signal, Panel Mount, Cadmium, O.D., Aluminum 6061-T6

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Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 25-35 insert



Connector System: **Cable-to-Panel**

Number of Positions: **128**

Sealable: **Yes**

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

Contact Current Rating (Max): **5 A**

[All D38999: Square Flange, 25-35 insert \(110\)](#)

## Features

### Product Type Features

Product Type	Connector
Assembly Type	Electrical Connector
Connector System	Cable-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Square Flange Receptacle

### Configuration Features

Keying & Polarized Position Locations	N
Factory Installed Backshell	No
Keying	Keyway Polarization N
Number of Positions	128
Number of Power Positions	0
Number of Signal Positions	128
Contacts Preloaded	No

### Electrical Characteristics



Operating Voltage	400 VAC
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Voltage	1300 Vrms
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### Body Features

Peripheral Seal Material	Silicone
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Environmental Protection	Yes
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Feedthrough Type	No
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Environmental Protection Type	Elastomer Sealed
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Entry Style	Rear Insertion
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Fluid Type	Coolanol 25, M2-V, MIL-DTL-5624 (JP-4,JP-5), MIL-DTL-83133 (JP-8), MIL-PRF-23699, MIL-PRF-5606, MIL-PRF-7808, SEA-AMS1424 Type I
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Shell Plating Material	Cadmium, O.D.
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Shell Base Material	Aluminum 6061-T6
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Circular Connector Insulation Material Type	Hard Dielectric/Silicone
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Hermetically Sealed	No
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### Contact Features

Contact Quantity (Size 22D)	128
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Contact Current Rating (Max)	5 A
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Reverse Gender	No
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Contact Layout Arrangement	25 – 35
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Circular Connector Contact Type	Socket
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### Mechanical Attachment

Mating Retention Type	Triple Start Threaded
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Panel Mount Feature	With
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Panel Mount Feature Type	Square Flange
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Connector Mounting Type	Panel Mount
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Polarization Code	N
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Mating Alignment Type	Keyed
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Mating Retention	With
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### Housing Features

Circular Connector Shell Size	25
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Alignment Keyed	Clocking
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### Dimensions



Accepts Wire Insulation Diameter Range	.76 – 1.37 mm [.03 – .054 in]
Assembly Length	31.5 mm [1.24 in]
Wire Size	.08 – .33 mm <sup>2</sup>

### Usage Conditions

Fluid Resistance	Yes
Operating Temperature Range	-65 – 200 °C [-85 – 392 °F]

### Operation/Application

Durability Rating	500 Cycles
Circuit Application	Signal
Shielded	Yes

### Packaging Features

Packaging Quantity	1
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### Other

Position Locations Omitted	All
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## 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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2022 (223)  Candidate List Declared Against: JUL 2021 (219)  SVHC &gt; Threshold:  Cd (3.41% in Plating)  Pb (1.2% in Pin Copper Alloy)  Decamethylcyclopentasiloxane (D5) (5% in Insert assembly)</p> <p><b>Article Safe Usage Statements:</b>  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.</p>
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 # CAT-D38999-DTS24U  
D38999: Straight Plug, 25-35 Insert

## Customers Also Bought



TE Part #2-1676481-9  
CPF 0603 75R 0.1% 25PPM 1K RL



TE Part #YDTS20W25-35PAV001  
D38999: Square Flange, 25-35 insert



TE Part #YDTS26W25-35SNV001  
PLUG ASSY



TE Part #YACT26MJ35PNV00100  
STRAIGHT PLUG



TE Part #YDTS20W19-35PNV001  
RECP ASSY



TE Part #YDTS20W23-35SNV001  
RECP ASSY



TE Part #4-1676481-0  
CPF 0603 240R 0.1% 25PPM 1K RL

## Documents

[CAD Files](#)
[3D PDF](#)
[3D](#)
[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_YDTS20W25-35SNV001\\_99.2d\\_dxf.zip](#)

English

**Customer View Model**

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**Customer View Model**

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English

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## Datasheets & Catalog Pages

[DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS](#)

English