

# DTS24W15-97SN [V001] ✓ ACTIVE

DEUTSCH | DEUTSCH 38999 Series III

TE Internal #: YDTS24W15-97SNV001

12 Position Circular Connector, Wire-to-Wire, .06 mm [.1 in]  
Centerline, Sealable, Wire & Cable, Power & Signal, Panel Mount,  
DEUTSCH 38999 Series III

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors > Jam Nut: D38999, 15-97 Insert



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

Connector Mounting Type: **Panel Mount**

Number of Positions: **12**

Centerline (Pitch): **.06 mm [.1 in]**

Sealable: **Yes**

[All Jam Nut: D38999, 15-97 Insert \(5\)](#)

## Features

### Product Type Features

Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Jam Nut Receptacle

### Configuration Features

Keying & Polarized Position Locations	N
Factory Installed Backshell	No
Number of Positions	12
Number of Power Positions	4
Number of Signal Positions	8
Contacts Preloaded	No

### Electrical Characteristics

Operating Voltage	850 VDC
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### Body Features

Product Weight	32.2 g[1.1376 oz]
O-Ring Material	Silicone
Entry Style	Rear Insertion
Environmental Protection	Yes
Environmental Protection Type	Elastomer Sealed
Peripheral Seal Material	Silicone
Fluid Type	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, Synthetic Hydrocarbon Heat Transfer Fluid
Feedthrough Type	No
Shell Plating Material	Cadmium O.D.
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

### Contact Features

Contact Quantity (Size 20)	8
Contact Quantity (Size 16)	4
Contact Current Rating (Max)	13 A
Reverse Gender	No
Contact Layout Arrangement	Circular
Circular Connector Contact Type	Pin/Socket

### Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Triple Start Threaded
Panel Mount Feature Type	Jam Nut
Connector Mounting Type	Panel Mount
Polarization Code	N
Mating Alignment Type	Polarization
Mating Retention	Without

### Housing Features

Centerline (Pitch)	.06 mm[.1 in]
Circular Connector Shell Size	D (15)



Alignment Keyed

Clocking

### Dimensions

Panel Thickness (Recommended)

1.58 – 3.2 mm [.062 – .126 in]

Assembly Length

32.5 mm [1.28 in]

Wire Size

16 – 20 AWG

### Usage Conditions

Operating Temperature Range

-65 – 200 °C [-85 – 392 °F]

### Operation/Application

Durability Rating

500 Cycles

Circuit Application

Power &amp; Signal

Shielded

Yes

### Packaging Features

Packaging Quantity

1

### Other

Position Locations Omitted

All

## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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

Current ECHA Candidate List: JAN 2025 (247)  
 Candidate List Declared Against: JAN 2025 (247)  
 SVHC > Threshold:  
 Cd (100% in 5115185546)  
 Pb (4% in Component Part)

**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

Not Yet Reviewed for halogen content

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 # YDTS26W15-97PNV001  
PLUG ASSY

## Also in the Series | DEUTSCH 38999 Series III



Standard Circular Connectors(2052)

## Customers Also Bought



TE Part #1062-20-0122  
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part #34113  
SOLIS R 22-16COMM 22-18MIL 1/4



TE Part #1-104257-3  
14 MTE RCPT HSG SR LATCH .100



TE Part #182651-1  
CPC Plug Assy, 11-4, Rev Sex



## Documents

### CAD Files

[3D PDF](#)

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_YDTS24W15-97SNV001\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_YDTS24W15-97SNV001\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_YDTS24W15-97SNV001\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide](#)

English