

DTS20W23-35SN [V001] ✓ ACTIVE

DEUTSCH | DEUTSCH 38999 Series III

TE Internal #: YDTS20W23-35SNV001

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

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 23-35 insert



Connector System: **Wire-to-Wire**
Connector Mounting Type: **Panel Mount**
Number of Positions: **100**
Centerline (Pitch): **.06 mm [.1 in]**
Sealable: **Yes**

[All D38999: Square Flange, 23-35 insert \(4\)](#)

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	Square Flange Receptacle

Configuration Features

Keying & Polarized Position Locations	N
Factory Installed Backshell	No
Number of Positions	100
Number of Power Positions	0
Number of Signal Positions	100
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	550 VDC
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Body Features

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 22D)	100
Contact Current Rating (Max)	5 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	Square Flange
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	H (23)
Alignment Keyed	Clocking

Dimensions

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Compatible Insulation Diameter Range	.76 – 1.37 mm[.03 – .054 in]
Assembly Length	31.5 mm[1.24 in]
Wire Size	22 – 26 AWG

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
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	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (1.2% in Copper Alloy) Cd (4.32% in Plating) Decamethylcyclopentasiloxane (D5) (5% in Insert subassembly) 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, 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-DTS24M
D38999: Straight Plug, 23-35 Insert

Also in the Series | DEUTSCH 38999 Series III

Standard Circular Connectors(2052)

Customers Also Bought

TE Part #YDTS26W11-35PAV001
PLUG ASSY

TE Part #216278-001
22759/33-24-9

TE Part #NB14474001
VERSAFIT-3/8-0-FSP

TE Part #5052994173
RNF-100-1/8-BK-SP



TE Part #CTJ-3D-10
RAIL ASSY



TE Part #205558-2
AMPLIMITE,ASY,PLUG,STD,109,2



TE Part #770672-1
UMNL PIN 30-26 PTPBR L/P



TE Part #1-1437558-0
MTA106D=(MSTA) SWITCH TOGGLE S



TE Part #1-1437558-2
MTA106E=(MSTA) SWITCH TOGGLE S



TE Part #5053044177
RNF-100-3/16-BK-SP

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YDTS20W23-35SNV001_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YDTS20W23-35SNV001_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YDTS20W23-35SNV001_99.3d_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 CIRCULAR CONNECTORS

English