

DTS20W15-35SN [V001] ✓ ACTIVE

DEUTSCH | DEUTSCH 38999 Series III

TE Internal #: YDTS20W15-35SNV001

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

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Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 15-35 insert



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

Connector Mounting Type: **Panel Mount**

Number of Positions: **37**

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

Sealable: **Yes**

[All D38999: Square Flange, 15-35 insert \(1\)](#)

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	37
Number of Power Positions	0
Number of Signal Positions	37
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)	37
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	D (15)
Alignment Keyed	Clocking

Dimensions

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Compatible Insulation Diameter Range	.76 – 1.37 mm [.03 – .054 in]
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Assembly Length	31.5 mm [1.24 in]
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Wire Size	22 – 26 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
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Circuit Application	Power & Signal
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Shielded	Yes
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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
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EU ELV Directive 2000/53/EC	Not Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2025 (247)</p> <p>Candidate List Declared Against: JAN 2024 (240)</p> <p>SVHC > Threshold:</p> <p>Cd (3.41% in Plating)</p> <p>Pb (1.2% in Pin Copper Alloy)</p>
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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
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Solder Process Capability	Not reviewed for solder process capability
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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



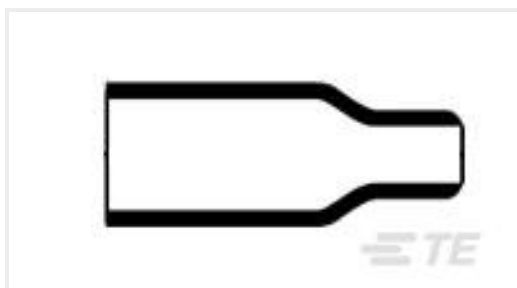
TE Part # CAT-D38999-DTS23V
D38999: Straight Plug, 15-35 Insert

Also in the Series | DEUTSCH 38999 Series III



Standard Circular Connectors(2052)

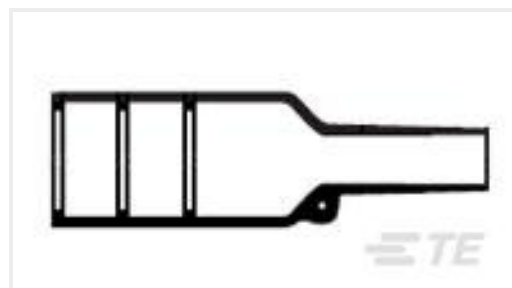
Customers Also Bought



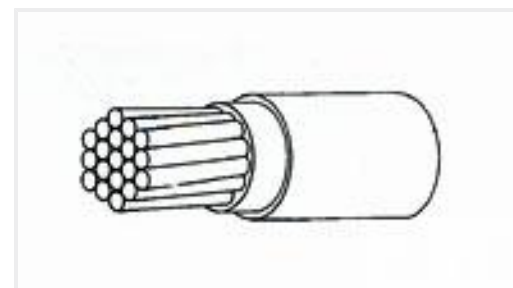
TE Part #813854-000
202A153-3-0



TE Part #CON SMA007
SMA Plug 50 Ohm Cable Crimp



TE Part #879264-000
202K153-25/86-0



TE Part #218424-001
22759/41-22-9



TE Part #CONREV SMA012
RP-SMA RA Plug 50 Ohm PCB Cable Crimp



TE Part #CON SMA012
SMA RA Plug 50 Ohm Cable Crimp



TE Part #103309-6
026 LOPRO HDR SP 30DP



TE Part #324043
TERMINAL,T-N R 8 10



Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_YDTS20W15-35SNV001_99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YDTS20W15-35SNV001_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YDTS20W15-35SNV001_99.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English