DTS20F25-35PN [V001] ✔ ACTIVE

DEUTSCH | DEUTSCH 38999 Series III, DEUTSCH 38999

TE Internal #: YDTS20F25-35PNV001

128 Position Circular Connector, Cable-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Electroless Nickel, DEUTSCH 38999 Series III

View on TE.com >

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



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

Connector Mounting Type: **Panel Mount**

Number of Positions: **128**

Sealable: **Yes**

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

All D38999: Square Flange, 25-35 insert (5)

Features

Product Type Features

Connector Product Type	Connector Assembly
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
Number of Positions	128
Number of Power Positions	0
Number of Signal Positions	128
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	550 VDC

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	Electroless Nickel
Shell Base Material	Aluminum 6061-T6
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

Contact Features

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

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	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	25
Alignment Keyed	Clocking

Dimensions

Compatible Insulation Diameter Range	.76 – 1.37 mm[.03 – .054 in]

Assembly Length	31.5 mm[1.24 in]
Wire Size	28 – 22 AWG

Usage Conditions

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

Other

Position Locations Omitted	All

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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 2022 (223) SVHC > Threshold: Pb (1.2% in Contact Lead-Copper Alloy) Decamethylcyclopentasiloxane (D5) (5% in Insert Assembly) **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	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-DTS19S
Straight Plug: D38999, 25-35 Insert, Electroless Nickel Plating

Also in the Series | DEUTSCH 38999 Series III



Standard Circular Connectors(497)

Also in the Series | DEUTSCH 38999



Standard Circular Connectors(497)

Customers Also Bought

TE Part #600431N002
RD16A14-12-S10CS051/2

TE Part #CTS-S20-20
CONT SOC ASSY

TE Part #600439N006
RD16A18-23-S6CS051/2



TE Part #YDTS20W25-35SAV001
RECP ASSY



TE Part #31880
PIDG R 22-16 COMM 22-18 MIL 4



TE Part #YDTS20T13-08PNV001
RECP ASSY



TE Part #YDTS26T13-08SNV001
PLUG ASSY



TE Part #YDTS26T11-35PCV001
PLUG ASSY



TE Part #YDTS26T09-98SAV001
PLUG ASSY



TE Part #YDTS20T17-06SBV001
RECP ASSY

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_YDTS20F25-35PNV001_E.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_YDTS20F25-35PNV001_E.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_YDTS20F25-35PNV001_E.3d_stp.zip

English

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Datasheets & Catalog Pages

DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS

English