DTS20F17-06PN [V001] ✔ ACTIVE

DEUTSCH | DEUTSCH 38999, DEUTSCH 38999 Series III

TE Internal #: YDTS20F17-06PNV001

Cable-to-Panel, 6 Position, Sealable, Wire & Cable, Power, Panel Mount, Electroless Nickel, DEUTSCH 38999 Series III, Standard Circular Connectors

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 17-06 insert

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

Connector Mounting Type: **Panel Mount**

Number of Positions: **6**

Sealable: **Yes**

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

All D38999: Square Flange, 17-06 insert (43)

Features

Product Type Features

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
Keying	Keyway Polarization N
Number of Positions	6
Number of Power Positions	6
Number of Signal Positions	0
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	600 VAC
Voltage	1800 Vrms

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	Yes
Weight	25.6 g[.0565 lb]
Feedthrough Type	No
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Entry Style	Rear Insertion
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
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 12)	6
Contact Current Rating (Max)	23 A
Reverse Gender	No
Contact Layout Arrangement	17 – 6
Circular Connector Contact Type	Pin

Mechanical Attachment

Mating Retention Type	Triple Start Threaded
Panel Mount Feature	With
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	17

Alignment Keyed	Clocking

Dimensions

Compatible Insulation Diameter Range	2.46 – 3.61 mm[.097 – .142 in]
Assembly Length	31.5 mm[1.24 in]
Wire Size	2.08 – 3.31 mm²

Usage Conditions

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

Operation/Application

Durability Rating	500 Cycles
Circuit Application	Power
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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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	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 # CAT-D38999-DTS18V
Straight Plug: D38999, 17-06 Insert, Electroless Nickel Plating

Also in the Series | DEUTSCH 38999

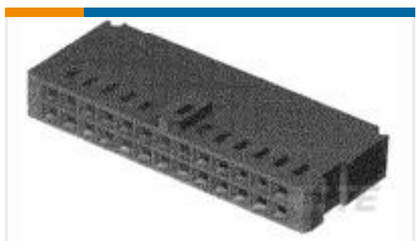
Standard Circular Connectors(2575)

Also in the Series | DEUTSCH 38999 Series III

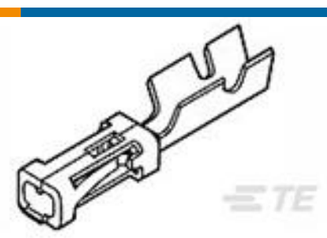
Standard Circular Connectors(9180)

Customers Also Bought

TE Part #1-206763-1
METRIMATE PIN HEADER ASSY,24P



TE Part #1-102387-3
44 MOD IV HSG COMP DR .100 POL



TE Part #1-87756-8
MOD IV RECP LP

TE Part #1841-1-5616
CONT PIN

TE Part #YDTS26F13-35PNV001
PLUG ASSY

TE Part #YDTS20F13-98SNV001
RECP ASSY

TE Part #YDTS20F17-06PAV001
RECP ASSY

TE Part #1-102387-1
60 MODIV HSG COMP DR .100 POL

TE Part #YDTS32F17NV0010000
DUST COVER ASSEM

TE Part #YCTJ122E10AC015000
ELEC MODULE

Documents

Product Drawings

RECP ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YDTS20F17-06PNV001_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YDTS20F17-06PNV001_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YDTS20F17-06PNV001_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 Connectors Quick Reference Guide

English