

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

| | |
|-----------------------------------|--------------------------|
| Connector System | Cable-to-Panel |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Circular Connector Type | Receptacle |
| Shell Type | Square Flange Receptacle |
| Connector Product Type | Connector Assembly |
| Assembly Type | Electrical Connector |

Mechanical Attachment

| | |
|--------------------------|-----------------------|
| Connector Mounting Type | Panel Mount |
| Polarization Code | N |
| Mating Alignment Type | Keyed |
| Mating Retention | With |
| Panel Mount Feature | With |
| Mating Retention Type | Triple Start Threaded |
| Panel Mount Feature Type | Square Flange |

Configuration Features



| | |
|---------------------------------------|----|
| Number of Positions | 6 |
| Number of Power Positions | 6 |
| Number of Signal Positions | 0 |
| Contacts Preloaded | No |
| Keying & Polarized Position Locations | N |
| Factory Installed Backshell | No |

Contact Features

| | |
|---------------------------------|--------|
| Contact Current Rating (Max) | 23 A |
| Reverse Gender | No |
| Contact Layout Arrangement | 17 – 6 |
| Circular Connector Contact Type | Pin |
| Contact Quantity (Size 12) | 6 |

Operation/Application

| | |
|---------------------|------------|
| Circuit Application | Power |
| Shielded | Yes |
| Durability Rating | 500 Cycles |

Body Features

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|---|--|
| Shell Plating Material | Electroless Nickel |
| Shell Base Material | Aluminum 6061-T6 |
| Circular Connector Insulation Material Type | Hard Dielectric/Silicone |
| Hermetically Sealed | No |
| Product Weight | 25.6 g [.904 oz] |
| O-Ring Material | Silicone |
| Entry Style | Rear Insertion |
| Environmental Protection | Yes |
| Environmental Protection Type | Elastomer Sealed |
| Peripheral Seal Material | Silicone |
| Fluid Type | MIL-PRF-7808, MIL-PRF-5606, M2-V, MIL-PRF-23699, Coolanol 25, MIL-DTL-83133 (JP-8), SEA-AMS1424 Type I, MIL-DTL-5624 (JP-4,JP-5) |
| Feedthrough Type | No |

Dimensions

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|-----------|-----------------------------|
| Wire Size | 2.08 – 3.31 mm ² |
|-----------|-----------------------------|



| | |
|--------------------------------------|---------------------------------|
| Compatible Insulation Diameter Range | 2.46 – 3.61 mm [.097 – .142 in] |
|--------------------------------------|---------------------------------|

| | |
|-----------------|-------------------|
| Assembly Length | 31.5 mm [1.24 in] |
|-----------------|-------------------|

Housing Features

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|-------------------------------|----|
| Circular Connector Shell Size | 17 |
|-------------------------------|----|

| | |
|-----------------|----------|
| Alignment Keyed | Clocking |
|-----------------|----------|

Usage Conditions

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|-----------------------------|-----------------------------|
| Operating Temperature Range | -65 – 200 °C [-85 – 392 °F] |
|-----------------------------|-----------------------------|

Other

| | |
|--------------------|---------------------------|
| EU RoHS Compliance | Compliant with Exemptions |
|--------------------|---------------------------|

| | |
|-------------------|---------------------------|
| EU ELV Compliance | Compliant with Exemptions |
|-------------------|---------------------------|

| | |
|----------------------------|-----|
| Position Locations Omitted | All |
|----------------------------|-----|

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 850 VDC |
|-------------------|---------|

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

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 | <p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JAN 2024 (240)</p> <p>SVHC > Threshold:</p> <p>Pb (1.2% in Contact Lead-Copper Alloy)</p> <p>Decamethylcyclopentasiloxane (D5) (5% in Insert Assembly)</p> |
|--|---|

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 |
|---------------------------|--|

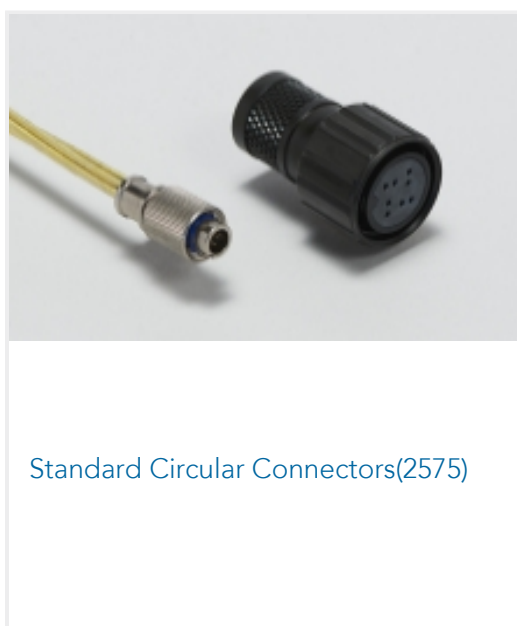
Product Compliance Disclaimer

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>

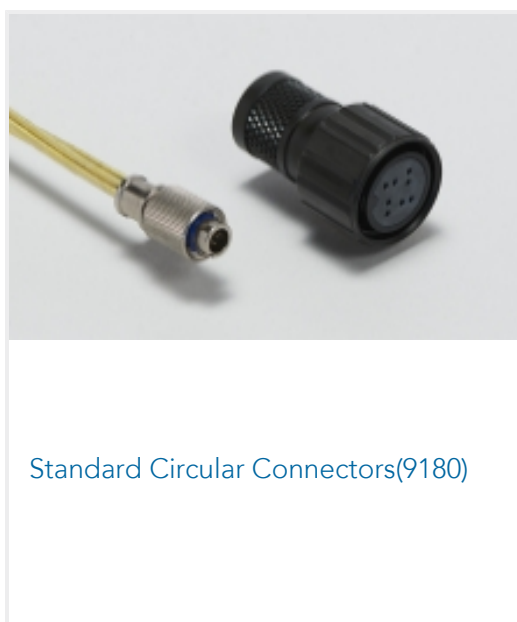
Compatible Parts



Also in the Series | **DEUTSCH 38999**



Also in the Series | **DEUTSCH 38999 Series III**



Customers Also Bought



TE Part #YDTS26F13-35PNV001
Straight Plug: D38999, 13-35 Insert,
Electroless Nickel Plating



TE Part #YDTS20F13-98SNV001
RECP ASSY



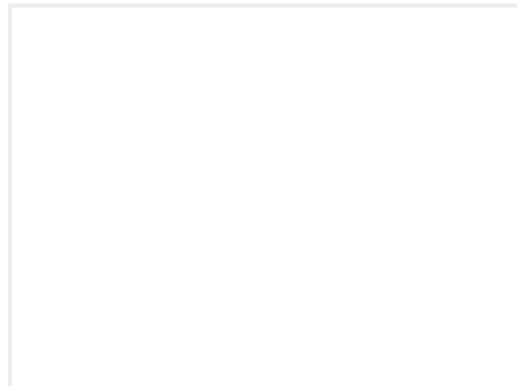
TE Part #YDTS20F17-06PAV001
RECP ASSY



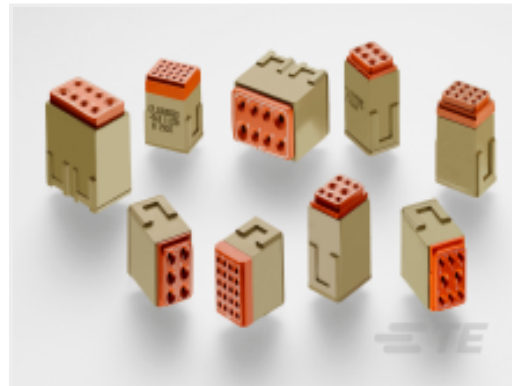
TE Part #2-1618403-6
CAP120ASANG=CONTACTOR, SPST-
NO



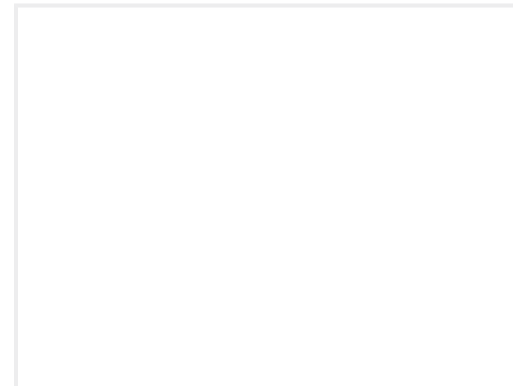
TE Part #YDTS32F17NV0010000
DUST COVER ASSEM



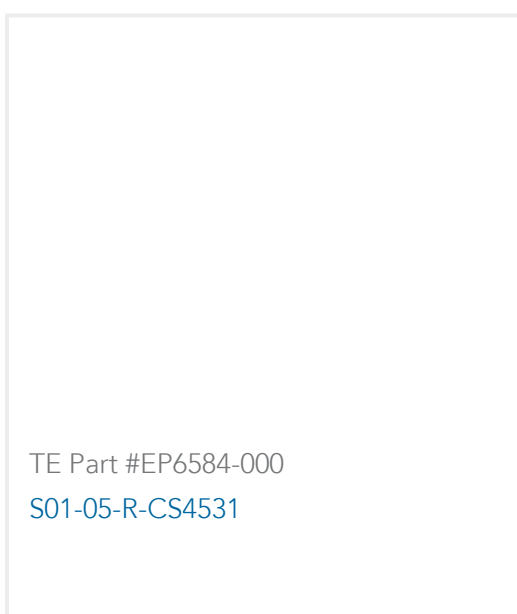
TE Part #YCTJ-3A-10C0160000
RAIL ASSY



TE Part #YCTD160E01FC015000
MODULE ASSY



TE Part #YCTJ122E10AC015000
ELEC MODULE



TE Part #EP6584-000
S01-05-R-CS4531

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

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Datasheets & Catalog Pages



DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide

English