

Connectors &gt; Circular Connectors &gt; Standard Circular Connectors &gt; D38999: Straight Plug, 15-19 Insert

Connector System: **Cable-to-Panel**Number of Positions: **19**Sealable: **Yes**Connector & Contact Terminates To: **Wire & Cable**Contact Current Rating (Max): **7.5 A**[All D38999: Straight Plug, 15-19 Insert \(71\)](#)

## 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           | Plug                 |
| Shell Type                        | Straight Plug        |

### Configuration Features

|                                       |                    |
|---------------------------------------|--------------------|
| Keying & Polarized Position Locations | N                  |
| Factory Installed Backshell           | No                 |
| Keying                                | Key Polarization N |
| Number of Positions                   | 19                 |
| Number of Power Positions             | 0                  |
| Number of Signal Positions            | 19                 |
| Contacts Preloaded                    | No                 |

### Electrical Characteristics

|                   |           |
|-------------------|-----------|
| Operating Voltage | 600 VAC   |
| Voltage           | 1800 Vrms |

### Body Features

|   |  |
|---|--|
| Environmental Protection                    | Yes  |
| Feedthrough Type                            | No   |
| 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                      | Cadmium, O.D.  |
| Shell Base Material                         | Aluminum 6061-T6   |
| Circular Connector Insulation Material Type | Hard Dielectric/Silicone   |
| Hermetically Sealed                         | No   |

### Contact Features

|                                 |         |
|---------------------------------|---------|
| Contact Quantity (Size 20)      | 19      |
| Contact Current Rating (Max)    | 7.5 A   |
| Reverse Gender                  | No      |
| Contact Layout Arrangement      | 15 – 19 |
| Circular Connector Contact Type | Socket  |

### Mechanical Attachment

|                         |                       |
|-------------------------|-----------------------|
| Mating Retention Type   | Triple Start Threaded |
| Panel Mount Feature     | Without               |
| Connector Mounting Type | Panel Mount           |
| Polarization Code       | N                     |
| Mating Alignment Type   | Keyed                 |
| Mating Retention        | With                  |

### Housing Features

|                                      |                                |
|--------------------------------------|--------------------------------|
| Circular Connector Shell Size        | 15                             |
| Alignment Keyed                      | Clocking                       |
| Compatible Insulation Diameter Range | 1.02 – 2.11 mm [.04 – .083 in] |

|                 |                |
|-----------------|----------------|
| Assembly Length | 31 mm[1.22 in] |
|-----------------|----------------|

|           |                          |
|-----------|--------------------------|
| Wire Size | .2 – .52 mm <sup>2</sup> |
|-----------|--------------------------|

### Usage Conditions

|                  |     |
|------------------|-----|
| Fluid Resistance | Yes |
|------------------|-----|

|                             |                            |
|-----------------------------|----------------------------|
| 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](http://TE.com)>

|                              |           |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

|                             |               |
|-----------------------------|---------------|
| EU ELV Directive 2000/53/EC | Not Compliant |
|-----------------------------|---------------|

|   |   |
|---|---|
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
|---|---|

|  |   |
|--|---|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023<br>(235) |
|--|---|

|  |  |
|--|--|
|  | Candidate List Declared Against: JAN 2023<br>(233) |
|--|--|

|  |   |
|--|---|
|  | SVHC > Threshold:<br>Pb (1.2% in Contact Lead-Copper Alloy)<br>Decamethylcyclopentasiloxane (D5) (5% in<br>Insert subassembly)<br>Decamethylcyclopentasiloxane (D5) (5% in<br>Insert subassembly) |
|--|---|

|  |   |
|--|---|
|  | Article Safe Usage Statements:<br>Do not eat, drink or smoke when using this product. Wash thoroughly after<br>handling. Recycle if possible and dispose of the article by following all applicable<br>governmental regulations relevant to your geographic location. |
|--|---|

|                 |   |
|-----------------|---|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per<br>homogenous material. Also BFR/CFR/PVC<br>Free |
|-----------------|---|

|                           |  |
|---------------------------|--|
| Solder Process Capability | Not reviewed for solder process capability |
|---------------------------|--|

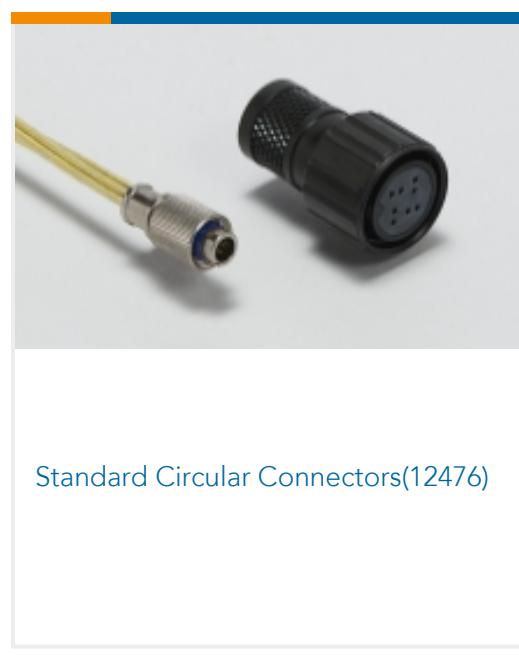
Product Compliance Disclaimer

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>

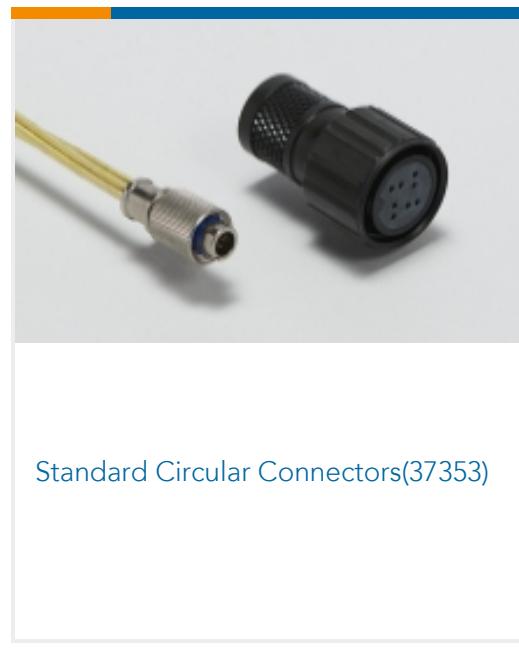
## Compatible Parts



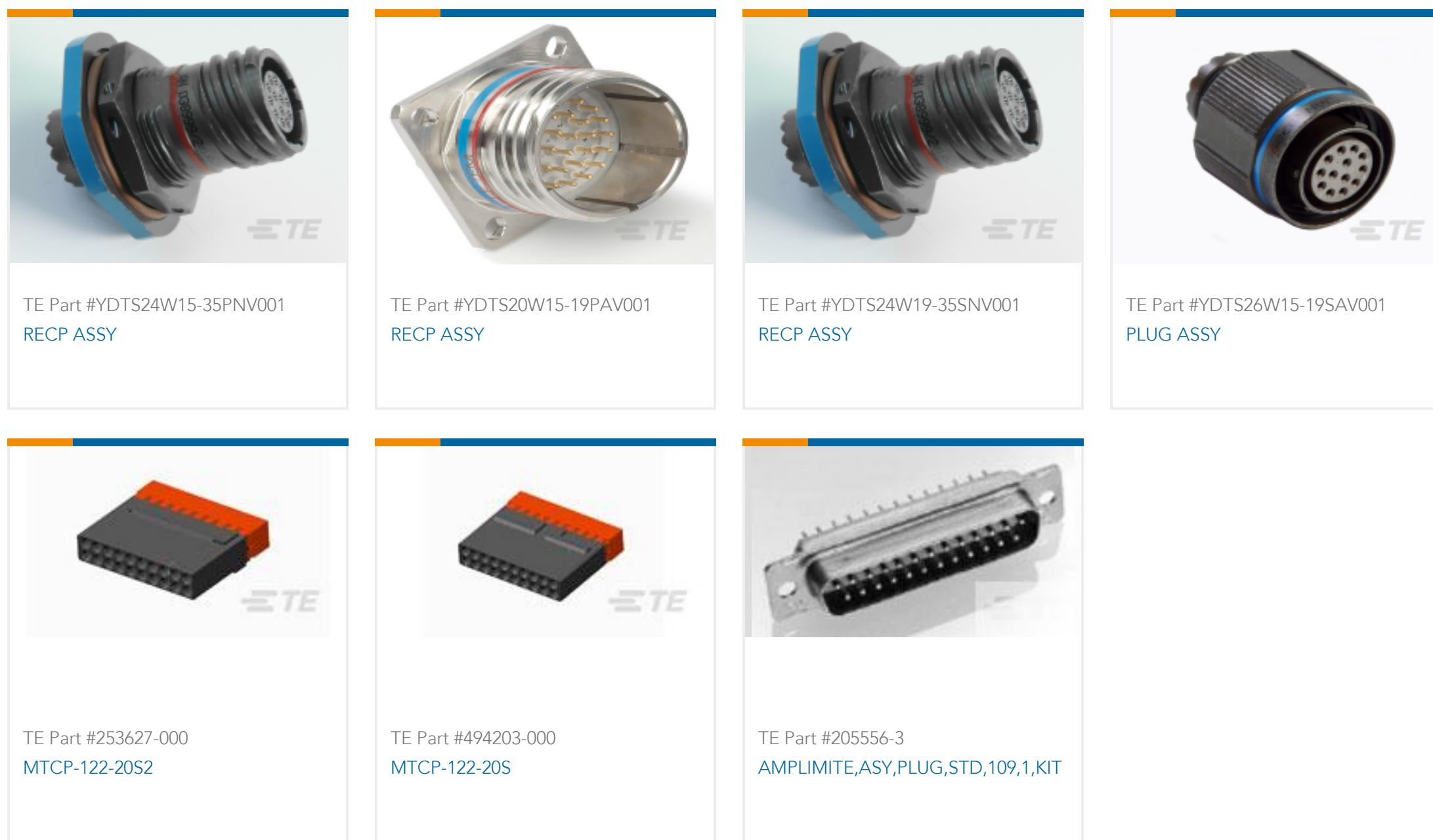
## Also in the Series | DEUTSCH 38999



## Also in the Series | DEUTSCH 38999 Series III



## Customers Also Bought



## Documents

### Product Drawings

#### PLUG ASSY

English

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### Datasheets & Catalog Pages

#### DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide

English