



Connectors > Circular Connectors > Standard Circular Connectors > Straight Plug: D38999, 09-98 Insert, Electroless Nickel Plating



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

Number of Positions: **3**

Sealable: **Yes**

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

Contact Current Rating (Max): **7.5 A**

[All Straight Plug: D38999, 09-98 Insert, Electroless Nickel Plating \(71\)](#)

## Features

### Product Type Features

Product Type	Connector
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	3
Number of Power Positions	0
Number of Signal Positions	3
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	Electroless Nickel
Shell Base Material	Aluminum 6061-T6
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

### Contact Features

Contact Quantity (Size 20)	3
Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	9 – 98
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	9
Alignment Keyed	Clocking

### Dimensions

Accepts Wire Insulation Diameter Range	1.02 – 2.11 mm [.04 – .083 in]
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Assembly Length	31 mm[1.22 in]
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Wire Size	.2 – .52 mm <sup>2</sup>
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### Usage Conditions

Fluid Resistance	Yes
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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	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	Compliant
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JAN 2022 (223)</p> <p>SVHC &gt; Threshold:</p> <p>Pb (1.2% in Contact Lead-Copper Alloy)</p> <p>Decamethylcyclopentasiloxane (D5) (5% in Insert subassembly)</p> <p><b>Article Safe Usage Statements:</b></p> <p>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.</p>
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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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



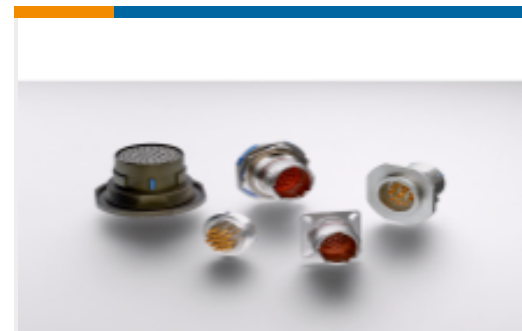
TE Part # DTS21Y09-98XN  
HERM RECP



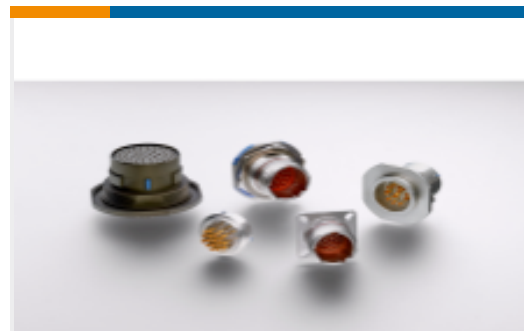
TE Part # DTS21N09-98PN  
HERM RECP



TE Part # YDTS23H09-98CN0000  
DTS23H09-98CN



TE Part # YDTS23H09-98PN0000  
DTS23H09-98PN



TE Part # YDTS23H09-98XN0000  
DTS23H09-98XN



TE Part # YDTS24H09-98CN0000  
DTS24H09-98CN



TE Part # YDTS24H09-98PN0000  
DTS24H09-98PN




TE Part # YDTS24H09-98XN0000  
DTS24H09-98XN



TE Part # DTS24N09-98PN  
HERM RECP

## Also in the Series | DEUTSCH 38999



Standard Circular Connectors(12501)



## Also in the Series | DEUTSCH 38999 Series III



Standard Circular Connectors(37354)

## Customers Also Bought



TE Part #YDTS24W17-35SNV001  
RECP ASSY



TE Part #YDTS24W13-35SAV001  
RECP ASSY



TE Part #YDTS24W19-35BAV001  
RECP ASSY



TE Part #YDTS24W25-35BAV001  
RECP ASSY



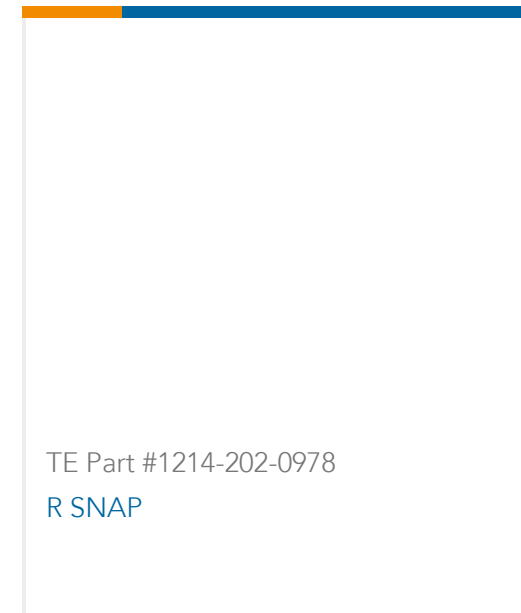
TE Part #650072-000  
D-436-42



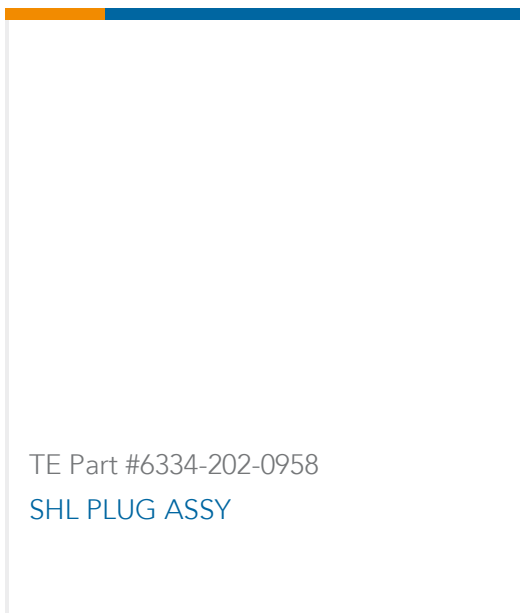
TE Part #770022-1  
12P UMNLI IN-LNE PLUG HSG KIT



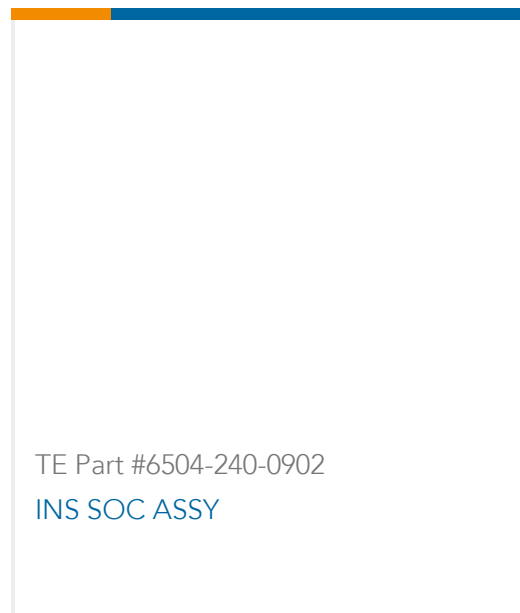
TE Part #YDTS26W2544420PN04  
PLUG ASSY.HIGH CURRENT.



TE Part #1214-202-0978  
R SNAP



TE Part #6334-202-0958  
SHL PLUG ASSY



TE Part #6504-240-0902  
INS SOC ASSY

## Documents

### Product Drawings

PLUG ASSY

English

### Datasheets & Catalog Pages

DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide

English

DTS26F09-98SN

Standard Circular Connectors, Cable-to-Panel, 3 Position, Sealable, Wire & Cable,  
Signal, Panel Mount, Electroless Nickel, DEUTSCH 38999 Series III

