



# STANDARD CIRCULAR CONNECTORS



✓ Active

## TE CONNECTIVITY (TE) SQUARE FLANGE RECEPTACLE

DEUTSCH | 38999 Series III

D38999/20MD97PN  
 TE Internal Number: YACT20MD97PNV00100  
 Mil-Spec: D38999/20MD97PN  
 Alias ID: ACT20MD97PNV001

Always EU RoHS/ELV Compliant

Product Type **Connector**

Mounting Style **Square Flange**

Shell Plating Material **Electroless Nickel**

Shell Material **Composite**

Polarization Code **N**

No documentation available.

Please review product documents or [contact us](#) for the latest agency approval information.

### Product Type Features

Product Type	<b>Connector</b>
Connector System	<b>Wire-to-Panel</b>
Shell Size	<b>D (15)</b>
Sealed	<b>Yes</b>
Connector Style	<b>Receptacle</b>
Shell Type	<b>Square Flange Receptacle</b>
Assembly Type	<b>Electrical Connector</b>

### Configuration Features

Number of Power Positions	<b>12</b>
Preloaded	<b>No</b>
Number of Positions	<b>12</b>
Factory Installed Backshell	<b>No</b>
Positions Unloaded	<b>All</b>
Keying	<b>Keyway Polarization N</b>
Position Keyed	<b>N</b>

### Electrical Characteristics

Operating Voltage	<b>600 VAC [ 850 VDC ]</b>
Voltage (Vrms)	<b>1800</b>

Body Features	Shell Plating Material	<b>Electroless Nickel</b>
	Shell Material	<b>Composite</b>
	Insulation Material	<b>Hard Dielectric/Silicone</b>
	Hermetically Sealed	<b>No</b>
	Weight	<b>13.9 g [ .0307 lb ]</b>
	Fluid Type	<b>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</b>
	Environmental Protection Type	<b>Elastomer Sealed</b>
	O-Ring Material	<b>Silicone</b>
	Environmental Protection	<b>Yes</b>
	Feedthrough Type	<b>No</b>
	Peripheral Seal Material	<b>Silicone</b>
Entry Style	<b>Rear Insertion</b>	
Contact Features	Contact Layout	<b>D97</b>
	Contact Type	<b>Pin</b>
	Contact Quantity (Size 20)	<b>8</b>
	Contact Quantity (Size 16)	<b>4</b>
Mechanical Attachment	Mounting Style	<b>Square Flange</b>
	Polarization Code	<b>N</b>
	Mating Alignment Type	<b>Keyed</b>
	Mating Retention	<b>With</b>
	Flange	<b>Square Flange</b>
	Mating Retention Type	<b>Triple Start Threaded</b>
	Panel Mount Retention	<b>With</b>
	Panel Mount Retention Type	<b>Square Flange</b>
Housing Features	Alignment Keyed	<b>Clocking</b>
Dimensions	Accepts Wire Insulation Diameter Range	<b>Mixed Arrangement mm [ Mixed Arrangement in ]</b>
	Assembly Length	<b>31.5 mm [ 1.24 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-65 – 200 °C [ -85 – 392 °F ]</b>
	Fluid Resistance	<b>Yes</b>

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Operation/Application

Durability Rating (Cycles)

**500**

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Packaging Features

Packaging Quantity

**1**

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Product Compliance

[Statement of Compliance](#)

PDF

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