



STANDARD CIRCULAR CONNECTORS



✓ Active

TE CONNECTIVITY (TE) SQUARE FLANGE RECEPTACLE

DEUTSCH | 38999 Series III

D38999/20MD97SN
 TE Internal Number: YACT20MD97SNV00100
 Mil-Spec: D38999/20MD97SN
 Alias ID: ACT20MD97SNV001

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VAC [850 VDC]
Voltage (Vrms)	1800

Body Features	Shell Plating Material	Electroless Nickel
	Shell Material	Composite
	Insulation Material	Hard Dielectric/Silicone
	Hermetically Sealed	No
	Weight	17 g [.0375 lb]
	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
	Environmental Protection Type	Elastomer Sealed
	O-Ring Material	Silicone
	Environmental Protection	Yes
	Feedthrough Type	No
	Peripheral Seal Material	Silicone
Entry Style	Rear Insertion	
Contact Features	Contact Layout	D97
	Contact Type	Socket
	Contact Quantity (Size 20)	8
	Contact Quantity (Size 16)	4
Mechanical Attachment	Mounting Style	Square Flange
	Polarization Code	N
	Mating Alignment Type	Keyed
	Mating Retention	With
	Flange	Square Flange
	Mating Retention Type	Triple Start Threaded
	Panel Mount Retention	With
	Panel Mount Retention Type	Square Flange
Housing Features	Alignment Keyed	Clocking
Dimensions	Accepts Wire Insulation Diameter Range	Mixed Arrangement mm [Mixed Arrangement in]
	Assembly Length	31.5 mm [1.24 in]
Usage Conditions	Operating Temperature Range	-65 – 200 °C [-85 – 392 °F]
	Fluid Resistance	Yes

Operation/Application

Durability Rating (Cycles)

500

Packaging Features

Packaging Quantity

1

Product Compliance

[Statement of Compliance](#)

PDF

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