Amphenol Aerospace

REDUCED FLANGE JAM NUT RECEPTACLES

38999+ CONNECTORS

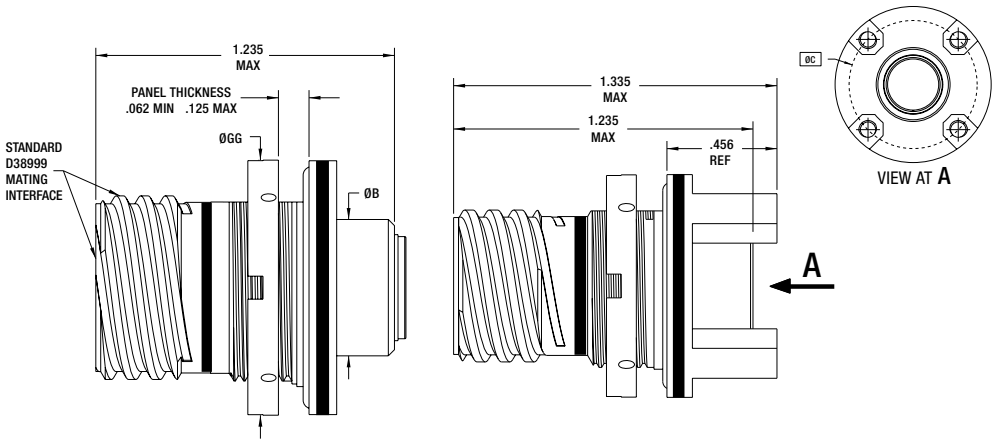
PDS - 288

The MIL-DTL-38999 Series III style connector features a reduced flange design that saves space, weight, and reduces your footprint when used in PCB applications.

More connectors can fit on a box because the reduced flange has a smaller diameter than a standard receptacle. The use of a spanner nut can make assembly easier than standard jam nut connectors by using a typical spanner wrench. The standoff version comes with helicoils (.112-40 UNC-2B) for easy board or panel mounting. Even with the reduced footprint, an o-ring remains present to allow for panel-to-connector sealing.

FEATURES & BENEFITS:

- Provides space savings inside the box or on the panel
- 30% lighter than standard 38999/24 (w/o stand-offs)
- Derived from MIL-DTL-38999 Series III Jam Nut
- Available in standard & stand-off varieties
- Mates with standard MIL-DTL-38999 Series III plugs & caps
- Available in crimp or PC tail
- Available in all standard Amphenol finishes



Shell Size	Footprint Reduction	Ø B Max	Ø GG Max	Ø C MAX
9	42%	.443	.915	.744
11	46%	.567	1.042	.862
13	37%	.680	1.240	1.020
15	36%	.811	1.357	1.141
17	21%	.936	1.630	1.385
19	21%	1.042	1.816	1.531
21	21%	1.167	1.942	1.656
23	21%	1.292	2.067	1.782
25	22%	1.417	2.190	1.910

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BUILD A PART NUMBER: TV97RW-23-35PB(P15)

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Complete steps 1-7 to create your part number

1.	2.	3.	4.	5.	6.	7.
Connector Type	Shell Styles	Service Class	Shell Size - Insert Arrangement	Contact Type	Alternate Positions	PCB Options
TV	97	RW	23-35	P	B	*optional*

STEP 1 :
Choose a Connector Type

Connector Type	
TV	Tri-Start 175°C
TVS	Tri-Start 200°C

STEP 2 :
Choose Shell Style

Shell Style	
97	Reduced Flange Jam Nut

98	Reduced Flange Jam nut w/ standoff

STEP 3 :
Choose a Service Class

Service Class		
RF	Electroless nickel plated aluminum EMI shielding effectiveness - 65dB @ 10GHz specification min., 48 hour salt spray, 200°C	RoHS
RK	Corrosion resistant stainless steel, firewall capability, plus 500 hour salt spray resistance, EMI -45dB @ 10GHz specification min., 200°C	RoHS
RL	Corrosion resistant steel, electro deposited nickel, 500 hour salt spray, 200°C, non firewall, EMI shielding -65dB @ 10GHz specification min.	RoHS
RS	(Non-hermetic connectors), Nickel plated, corrosion resistant steel, firewall capability, 500 hour salt spray, 200°C, EMI shielding -65dB @ 10GHz specification min.	RoHS
RW	Corrosion resistant olive drab cadmium plated aluminum, 500 hour extended salt spray, EMI -50dB @ 10GHz specification min., 175°C	
DT	Durmalon plated, alternative to cadmium. Corrosion resistant, 500 hour extended salt spray,EMI -50dB @10GHz specification min. without CR6	RoHS
DZ	Black Zinc-Nickel alternative to cadmium. Corrosion resistant, 500 hour salt spray, conductive, -65°C to +175°C	RoHS
DW	Corrosion resistant olive drab cadmium plated aluminum, **1,000** hour extended salt spray , EMI -50dB @ 10GHz specification min., 175°C	

STEP 4:
Select a Shell Size & Insert Arrangement

Shell Size - Insert Arrangement
See Amphenol Catalog page 2-13

STEP 5 :
Choose a Contact Type

Contact Type	
P	Pin
S	Socket

STEP 6 :
Choose an Alternate Position

Alternate Positions	
	Blank for normal rotation
A	A rotation
B	B rotation
C	C rotation
D	D rotation
E	E rotation

STEP 7 :
Choose a PCB Contact Option

Contact Type	PCB Stickout ± .040
P15	.150" nominal w/ pins
P25	.250" w/ pins
P35	.350" w/ pins
S15	.150" nominal w/ sockets
S25	.250" w/ sockets
S35	.350" w/ sockets
With Alignment Disk	
P15AD	.150" nominal w/ pins
P25AD	.250" w/ pins
P35AD	.350" w/ pins
S15AD	.150" w/ sockets nominal
S25AD	.250" w/ sockets
S35AD	.350" w/ sockets

Pre-Tin Options

Add "T" to end of suffix for
Pre-tinned PC tails
Ex: (P15T), (S25ADT)

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