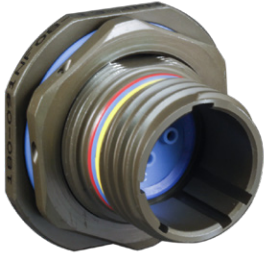


180-091 (08) Jam nut receptacle • Multi-channel

SuperNine® MIL-DTL-38999 Type



Tight-tolerance MIL-DTL-38999 Series III type Jam-Nut Receptacle. Compatible with Size 16 snap-in, rear-release MIL-PRF-29504 pin and socket termini (Glenair Series 181-001 and 181-002). Features support hybrid electrical/fiber contact applications. Precision-manufactured for optimum optical fiber alignment and low dB data loss performance. Robust anti-decoupling and environmental sealing for use in high vibration, shock, and high altitude aerospace and military/defense applications. Shell materials include Aluminum alloy, composite thermoplastic, stainless steel, and marine bronze. Keyed polarization for mis-mate protection. Available insert arrangements support from two to thirty-seven singlemode and multimode termini.

MATERIAL AND FINISH

- Jam Nut (for Composite): Al Alloy, plated same as shell
- Insulator: High Grade Rigid Dielectric
- Seals: Fluorosilicone
- Retention Clips: BeCu Alloy

NOTES

- Blue color band indicates rear-release retention system. Yellow color band indicates fiber optic connector. Bands located approximately as shown, sequencing optional.
- See pages B-4 to B-15 for compatible Glenair terminus part numbers.
- Recommended Insertion/Extraction tool: P/N M81969/14-03 or equivalent

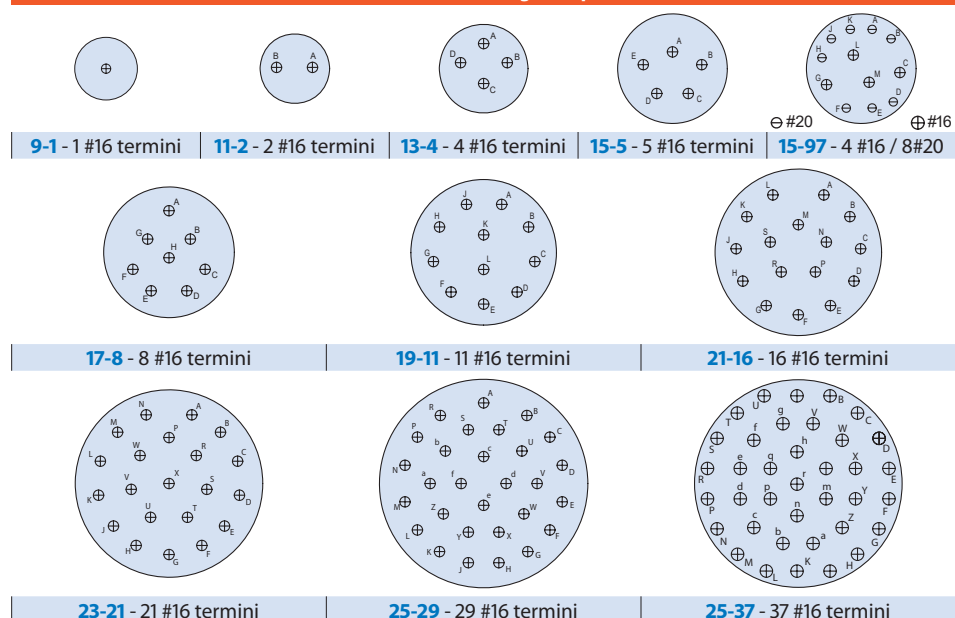
MATERIAL AND FINISH

Code	Material	Finish Description
M*	Aluminum Alloy	Electroless Nickel
MA		Electroless Nickel, Matte
ME		Electroless Nickel
MT		Nickel-PTFE, Gray
NF		Cadmium, Olive Drab
TZ		Tin-Zinc, Bronze-Gold
ZN		Zinc-Nickel, Olive Drab
ZNU		Zinc-Nickel, Black
ZR	Composite	Zinc-Nickel, Black (RoHS)
XM		Electroless Nickel
XMT		Nickel - PTFE, Grey
XW	Stainless Steel	Cadmium, Olive Drab
XZN		Zinc-Nickel, Black
MS		Electroless Nickel
ZL	Marine Bronze	Electro-Deposited Nickel
ZI		Passivate
AB		No Plating

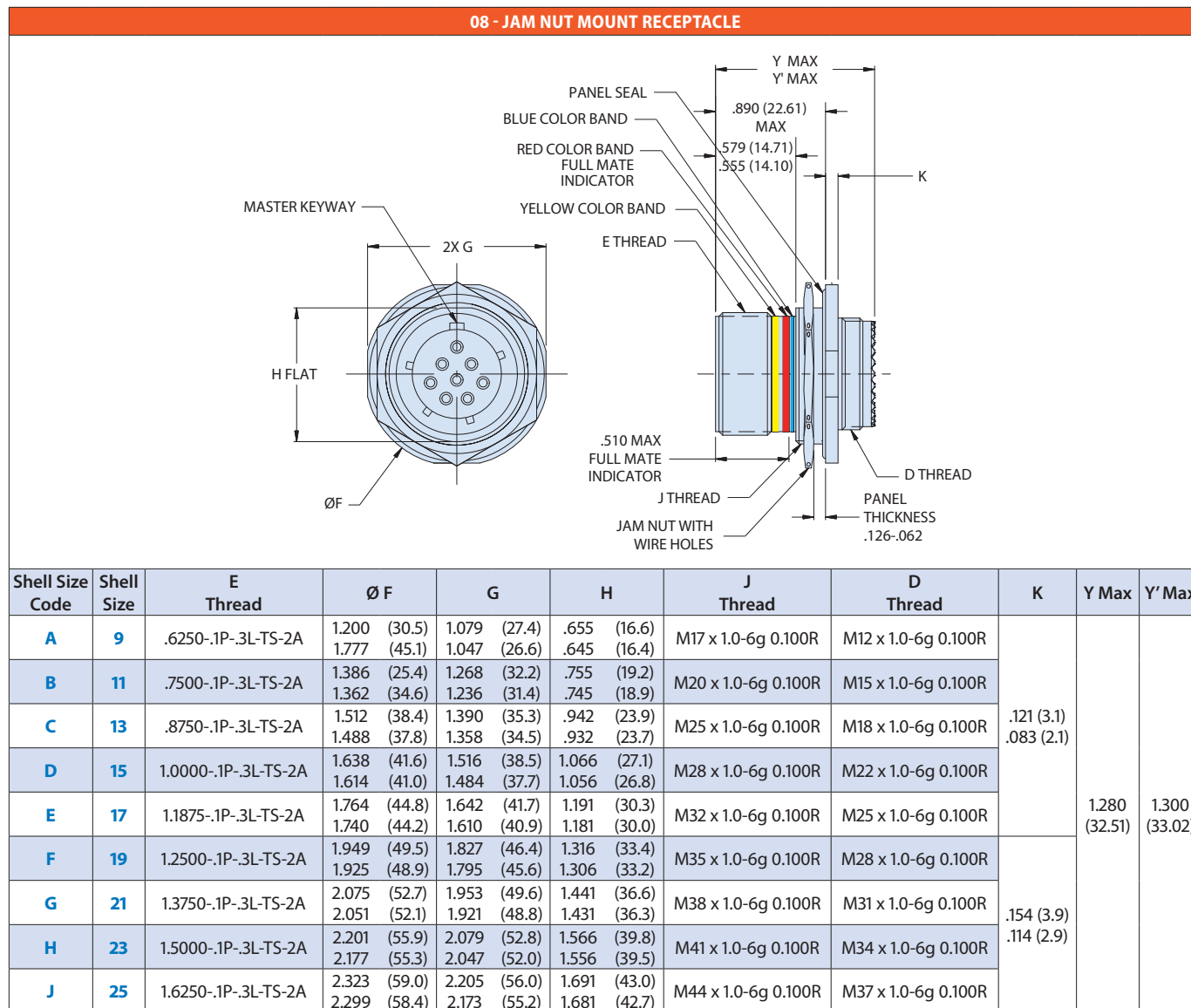
*Inactive for new design. Use "ME" finish.

HOW TO ORDER

Sample Part Number		180-091	XW	08	-17	-8	P	N
Basic Number	D38999 Series III Type							
Material/Finish	See Material and Finish table							
Connector Style	08 = Jam Nut Receptacle							
Shell Size	See Dimensions table							
Insert Arrangement	See Contact Arrangements images							
Insert Designation	P = Pin S = Socket							
Alternate Key Position	A, B, C, D, E; N = Normal (Per MIL-DTL-38999)							

INSERT ARRANGEMENTS (mating face, pin insert shown)

180-091 (08) Jam nut receptacle • Multi-channel



RECOMMENDED PANEL CUTOUT DIMENSIONS				
	Shell Size Code	Shell Size	Jam Nut Mount	
			Ø FF	GG Flat
	A	9	.710 (18.0); .700 (17.8)	.670 (17.0); .660 (16.8)
	B	11	.835 (21.2); .825 (21.0)	.771 (19.6); .761 (19.3)
	C	13	1.020 (25.9); 1.010 (25.7)	.955 (24.3); .945 (24.0)
	D	15	1.145 (29.1); 1.135 (28.8)	1.085 (27.6); 1.075 (27.3)
	E	17	1.270 (32.3); 1.260 (32.0)	1.210 (30.7); 1.200 (30.5)
	F	19	1.395 (35.4); 1.385 (35.2)	1.335 (33.9); 1.325 (33.7)
	G	21	1.520 (38.6); 1.510 (38.4)	1.460 (37.1); 1.450 (36.8)
	H	23	1.645 (41.8); 1.635 (41.5)	1.585 (40.3); 1.575 (40.0)
	J	25	1.770 (45.0); 1.760 (44.7)	1.710 (43.4); 1.700 (43.2)