

180-091 (S7) Wall mount receptacle, slotted holes • Multi-channel

SuperNine® MIL-DTL-38999 Type



Tight-tolerance MIL-DTL-38999 Series III type Wall-Mount Receptacle, slotted holes. Compatible with Size 16 snap-in, rear-release MIL-PRF-29504 pin and socket termini (Glenair Series 181-001 and 181-002). Fully shielded for hybrid electrical 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

- Insulator: High Grade Rigid Dielectric
- Seals: Fluorosilicone
- Retention Clips: BeCu Alloy

NOTES

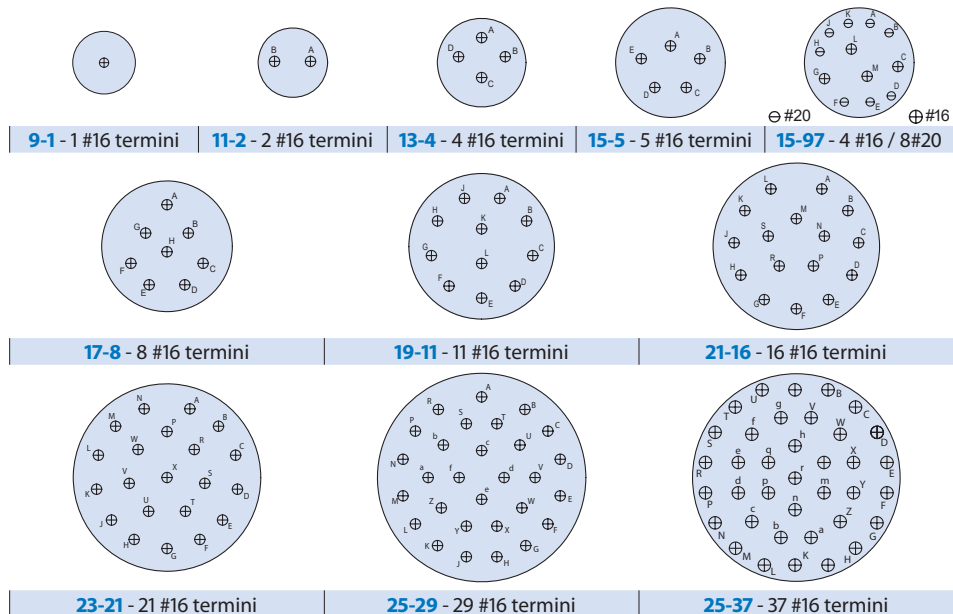
- Blue color band indicates rear-release retention system. Yellow color band indicates fiber optic connector. Bands located approximately as shown, sequencing optional.
- See pages B-4 to B-15 for compatible Glenair terminus part numbers.
- Recommended Insertion/Extraction tool: P/N M81969/14-03 or equivalent

HOW TO ORDER							
Sample Part Number	180-091	XW	S7	-17	-8	P	N
Basic Number	D38999 Series III Type						
Material/Finish	See Material and Finish table						
Connector Style	S7 = Wall Mount Receptacle with Slotted Holes						
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)						

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		Zinc-Nickel, Black (RoHS)
XM		Composite
XMT	Nickel - PTFE, Grey	
XW	Cadmium, Olive Drab	
XZN	Zinc-Nickel, Black	
MS	Stainless Steel	Electroless Nickel
ZL		Electro-Deposited Nickel
ZI		Passivate
AB	Marine Bronze	No Plating

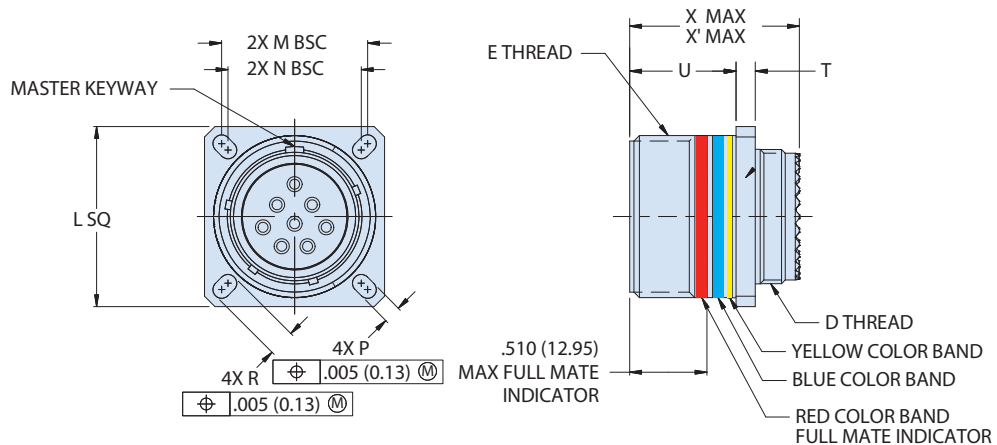
*Inactive for new design. Use "ME" finish.

INSERT ARRANGEMENTS (mating face, pin insert shown)



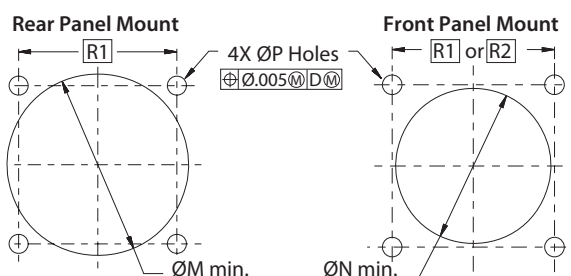
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S7 - WALL MOUNT RECEPTACLE WITH SQUARE FLANGE AND SLOTTED HOLES



Shell Size Code	Shell Size	E Thread	L SQ	M BSC	N BSC	P	R	T	U	D Thread	X Max	X' Max	
A	9	.6250-1P-3L-TS-2A	.949 (24.1) .929 (23.6)	.719 (18.3)	.594 (15.1)	.136 (3.5) .120 (3.0)	.216 (5.5)	.144 (3.7) .083 (2.1)	.823 (20.9) .768 (19.5)	M12 x 1.0-6g 0.100R	1.240 (31.50)	1.260 (32.00)	
B	11	.7500-1P-3L-TS-2A	1.043 (26.5) 1.019 (25.9)	.812 (20.6)	.719 (18.3)		.202 (5.1) .186 (4.7)			M15 x 1.0-6g 0.100R			
C	13	.8750-1P-3L-TS-2A	1.138 (28.9) 1.114 (28.3)	.906 (23.0)	.812 (20.6)		.181 (4.6) .165 (4.2)			M18 x 1.0-6g 0.100R			
D	15	1.0000-1P-3L-TS-2A	1.232 (31.3) 1.208 (30.7)	.969 (24.6)	.906 (23.0)		.202 (5.1) .186 (4.7)			M22 x 1.0-6g 0.100R			
E	17	1.1875-1P-3L-TS-2A	1.323 (33.6) 1.299 (33.0)	1.062 (27.0)	.969 (24.6)		.171 (65.2) .083 (39.8)			.791 (20.0) .736 (18.7)			M25 x 1.0-6g 0.100R
F	19	1.2500-1P-3L-TS-2A	1.449 (36.8) 1.425 (36.2)	1.156 (29.4)	1.062 (27.0)								M28 x 1.0-6g 0.100R
G	21	1.3750-1P-3L-TS-2A	1.575 (40.0) 1.551 (39.4)	1.250 (31.8)	1.156 (29.4)								M31 x 1.0-6g 0.100R
H	23	1.5000-1P-3L-TS-2A	1.701 (43.2) 1.677 (42.6)	1.375 (34.9)	1.250 (31.8)	.162 (4.1) .146 (3.7)	.250 (6.4) .234 (5.9)	M34 x 1.0-6g 0.100R					
J	25	1.6250-1P-3L-TS-2A	1.823 (46.3) 1.799 (45.7)	1.500 (38.1)	1.375 (34.9)			M37 x 1.0-6g 0.100R					

RECOMMENDED PANEL CUTOUT DIMENSIONS



S7 wall mount receptacle with slotted holes can be front panel mounted using cut out dimensions R1 or R2. Dimension R2 is for use with S7 slotted-hole wall mount receptacle only.

Shell Size Code	Shell Size	Wall Mount				
		Ø M Min	Ø N Min	Ø P Holes	R1 BSC	R2 BSC
A	9	.656 (16.7)	.516 (13.11)	.133 (3.4) .123 (3.1)	.719 (18.3)	.594 (15.1)
B	11	.796 (20.2)	.625 (15.9)		.812 (20.6)	.719 (18.3)
C	13	.922 (23.4)	.750 (19.1)		.906 (23.0)	.812 (20.6)
D	15	1.047 (26.6)	.906 (23.0)		.969 (24.6)	.906 (23.0)
E	17	1.219 (31.0)	1.016 (25.8)		1.062 (27.0)	.969 (24.6)
F	19	1.297 (32.9)	1.141 (29.0)		1.156 (29.4)	1.062 (27.0)
G	21	1.422 (36.1)	1.266 (32.2)		1.250 (31.8)	1.156 (29.4)
H	23	1.547 (39.3)	1.375 (34.9)	.159 (4.0) .149 (3.8)	1.375 (34.9)	1.250 (31.8)
J	25	1.672 (42.5)	1.484 (37.7)	.155 (3.9) .145 (3.7)	1.500 (38.1)	1.375 (34.9)

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