

Space-grade blind-mate connectors

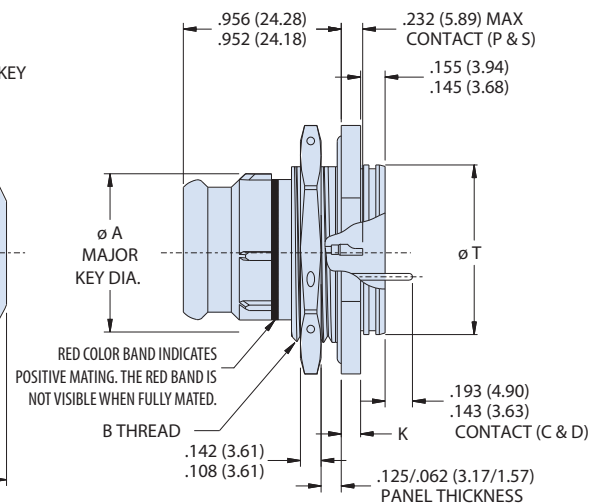
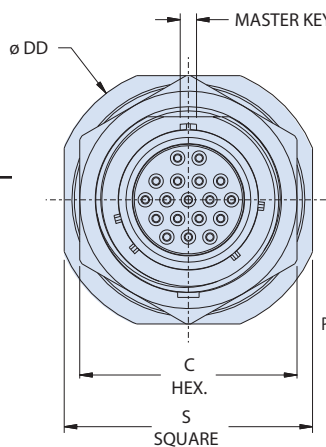
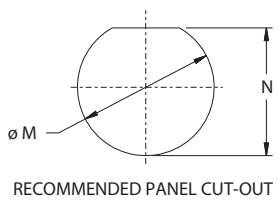
MIL-DTL-38999 Series III Type Space-Grade Connectors

Hermetic rack and panel receptacle, jam-nut mount

Part Number Development								
Sample Part Number	253-022			-H7	Z1	15-18	S	N
Series / Basic Part No.	253-022 = Blind mate, jam-nut mount rack and panel receptacle							
Connector Style	H7 = Hermetic jam nut mount; contact factory for wall mount receptacles							
Material/Finish	ZL = CRES, electrodeposited nickel			Z1 = CRES, passivated				
Shell Size - Insert Arrangement*	See Dimensions Table. Per MIL-STD-1560.							
Contact Type	P = Pin, crimp removable		C = Pin, PCB					
	S = Socket, solder cup		D = Socket, PCB					
Alternate Polarization	A, B, C, D, E, N = Normal (Polarization for intermateability with 253-014 is per MIL-DTL-38999 Series I)							

*Refer to C-5 to C-12 for insert arrangements.
 For Space-Grade modification codes see pages C-3 thru C-4. Modification codes may be added directly to the end of any valid part number

253-022 FIXED JAM-NUT MOUNT HERMETIC RECEPTACLE WITH ROLL-ON/ROLL-OFF NOSE



NOTES:

- Glenair 253-022 is designed to mate with 253-015 with same insert arrangement.
- Misalignment capabilities are possible when mated to 253-015.
- Contact manufacturer for outgassing options.
- Material/finish
 - Shell, jam-nut: see P/N development; finish
 - Insulator: fused vitreous/N.A.
 - Seals, O-ring: fluorosilicone blend/N.A.
 - Contacts: 52 nickel alloy/gold plated
 - Socket insert: high grade rigid dielectric/N.A.

Dimensions									
SHELL SIZE	ø A MAX	THREAD B, CLASS 2A	C, MAX.	S [±.016]	ø DD [±.016]	K [±.016]	ø T [+0.011/-0.000]	ø M [+0.010/-0.000]	N [+0.000/-0.010]
11	0.673 (17.09)	.8125-20 UNEF	1.016 (25.81)	1.250 (31.75)	1.375 (34.92)	0.109 (2.77)	0.766 (19.46)	0.825 (20.96)	0.771 (19.58)
13	0.798 (20.27)	1.0000-20 UNEF	1.204 (30.58)	1.375 (34.92)	1.500 (38.10)	0.109 (2.77)	0.892 (22.66)	1.010 (25.65)	0.955 (24.26)
15	0.923 (23.44)	1.1250-18 UNEF	1.328 (33.73)	1.500 (38.10)	1.625 (41.28)	0.109 (2.77)	1.018 (25.86)	1.135 (28.83)	1.085 (27.56)
17	1.048 (26.62)	1.2500-18 UNEF	1.454 (36.93)	1.625 (41.28)	1.750 (44.45)	0.109 (2.77)	1.142 (29.01)	1.260 (32.00)	1.210 (30.73)
19	1.173 (29.79)	1.3750-18 UNEF	1.578 (40.08)	1.812 (46.02)	1.938 (49.23)	0.140 (3.56)	1.268 (32.21)	1.385 (35.18)	1.335 (33.91)
21	1.298 (32.97)	1.5000-18 UNEF	1.704 (43.28)	1.938 (49.23)	2.062 (52.37)	0.140 (3.56)	1.392 (35.36)	1.510 (38.35)	1.460 (37.08)
23	1.423 (36.14)	1.6250-18 UNEF	1.828 (46.43)	2.062 (52.37)	2.188 (55.58)	0.140 (3.56)	1.518 (38.56)	1.635 (41.53)	1.585 (40.26)
25	1.548 (39.32)	1.7500-18 UNS	2.016 (51.21)	2.188 (55.58)	2.312 (58.72)	0.140 (3.56)	1.642 (41.71)	1.760 (44.70)	1.710 (43.43)