

SPACE-GRADE MIL-DTL-38999 TYPE SuperNine® Blind-Mate / ASF Connectors



253-022-H7 Hermetic Plug, Fixed Jam-Nut Mount, Roll-On / Roll-Off Nose MIL-STD-1560 power and signal insert arrangements

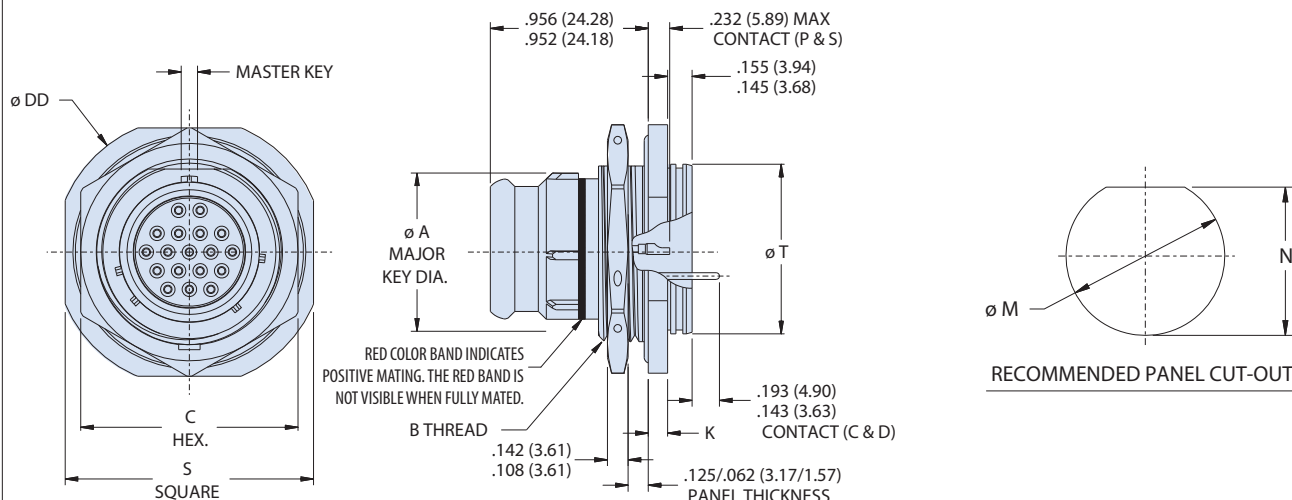


253-022-H7 fixed jam-nut mount plug
with roll-on/roll-off nose

HOW TO ORDER						
Sample Part No.	253-022	-H7	Z1	15-18	S	N
Basic Part No.	253-022 = Hermetic receptacle, fixed jam-nut mount					
Mounting Style	H7 = Hermetic jam nut mount (contact factory for panel-mount receptacles)					
Material/Finish	ZL = CRES, electrodeposited nickel Z1 = CRES, passivated					
Shell Size - Insert Arrangement*	Per MIL-STD-1560; symmetrical layouts only, See contact arrangements table					
Contact Style	P = Pin, solder cup C = Pin, PCB S = Socket, solder cup D = Socket, PCB					
Alternate Polarization	A, B, C, D, E, N = Normal (Polarization for intermateability per MIL-DTL-38999 Series I)					

The 253-022 hermetic fixed jam-mount receptacle series mates with 253-015 float-mount plugs
Space-grade modification codes may be added directly to the end of any valid part number

253-022-H7 DIMENSIONS



Shell Size	Ø A Max	Thread B, Class 2A	C, Max.	S [±.016]	Ø DD [±.016]	K [±.016]	Ø T [+ .011/- .000]	Ø M [+ .010/- .000]	N [+ .000/- .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)

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MIL-STD-1560 power and signal insert arrangements

CONTACT ARRANGEMENTS: HIGH-DENSITY, STANDARD, AND COMBO													
HIGH-DENSITY			Contact Type	#20 Contact Qty.	Shell Size - Contact Arr.	Contact Type	#16 Contact Qty.	Shell Size - Contact Arr.	COMBO				
Contact Type	#23 Contact Qty.	Shell Size - Contact Arr.							No. Contacts				Shell Size - Contact Arr.
Size #23 High-Density 5 Amp Max. Current #22-#26 AWG	19	11-23	Size #20 7.5 Amp Max. Current #20-#24 AWG	4	11-4	Size #16 Contacts 13 Amp Max. Current #16-#20 AWG	2	11-2	#20	#16	#12	#10	Shell Size - Contact Arr.
	32	13-23		5	11-5		4	13-4	14	1			15-15
	55	15-23		6	11-98		5	15-5	8	4			15-97
	73	17-23		7	11-99		8	17-8	21	2			17-99
	88	19-23		8	13-8		11	19-11	26	2			19-28
	121	21-23		10	13-98		16	21-16	29	1			19-30
	151	23-23		18	15-18		21	23-21	19	4	4		21-29
	187	25-23		19	15-19		16	23-97	37	2			21-39
Size #22D 5 Amp Max. Current #22-#28 AWG	13	11-35		26	17-26		11	23-99	48	8			25-4
	22	13-35		32	19-32		29	25-29	2			9	25-11
	37	15-35		24	21-24		37	25-37		12	12		25-24
	55	17-35		25	21-25		Size #12 Contacts 23 Amp Max. Current #12-14 AWG			23	20		
	66	19-35		27	21-27	Contact Type				Shell Size - Contact Arr.			
	67	19-35		41	21-41								
	79	21-35		32	23-32								
	100	23-35		34	23-34								
	128	25-35		36	23-36								
				53	23-53								
				55	23-55								
				61	25-61								

NOTES:

1. Glenair 253-022 is designed to mate with 253-015 with same insert arrangement.
2. Misalignment capabilities are possible when mated to 253-015.
3. Contact manufacturer for outgassing options.
4. 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