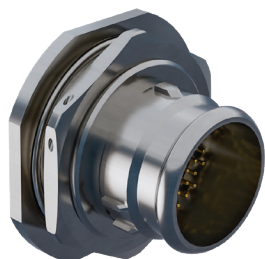


SPACE-GRADE MIL-DTL-38999 TYPE SuperNine® Blind-Mate / ASF Connectors



253-046 Hermetic Plug, Fixed Jam-Nut Mount, Roll-On / Roll-Off Nose
MIL-STD-1560 power and signal insert arrangements



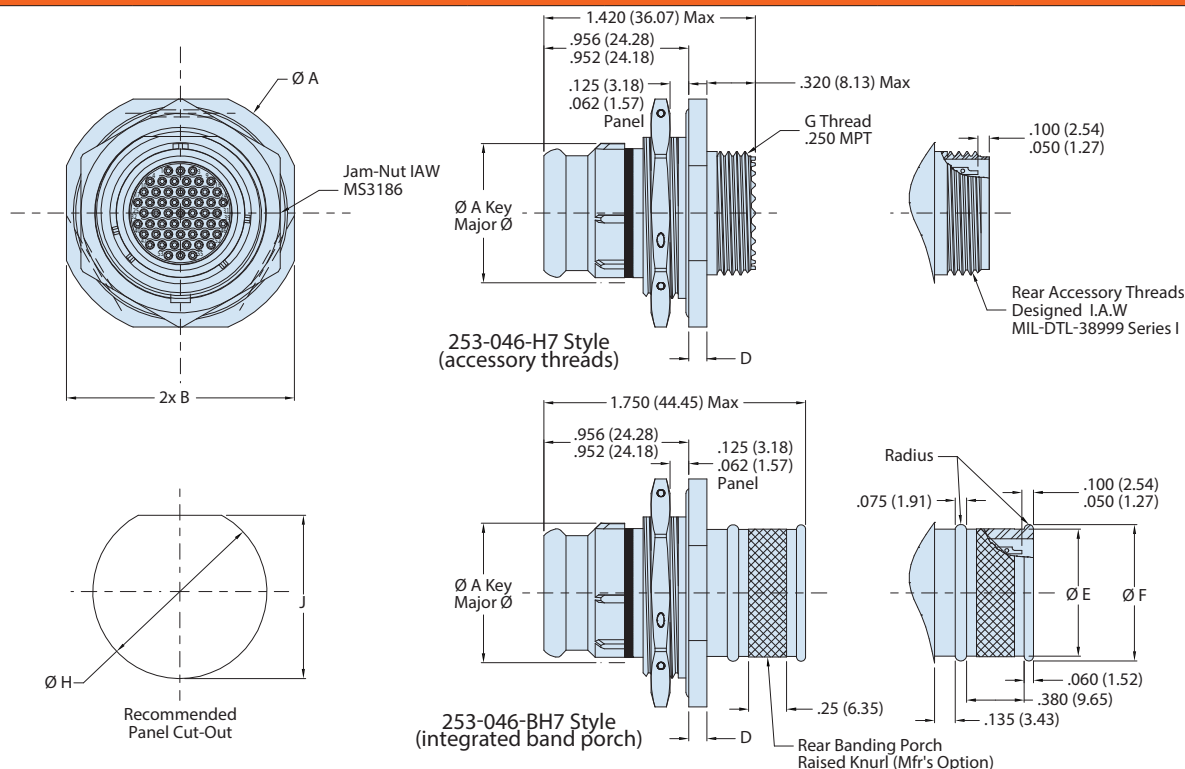
ADAPTER CODE **F**

"F" adapter code accessories
(D38999 Series I, imperial thread)
fit this connector

HOW TO ORDER							
Sample Part No.	253-046	H7	Z1	15	-23	P	N
Basic Part No.	253-046 = Hermetic plug, jam-nut mounting						
Mounting Style	H7 = Accessory threads BH7 = Int. banding porch						
Material/Finish	ZL = CRES, electrodeposited nickel Z1 = CRES, passivated						
Shell Size	11, 13, 15, 17, 19, 21, 23, 25						
Insert Arrangement	Per MIL-STD-1560; symmetrical layouts only, See contact arrangements table						
Contact Type	P = Pin face S = Socket face						
Alternate Polarization	A, B, C, D, N = Normal						

253-039 hermetic feedthroughs mate with 253-015 float-mount receptacles
Space-grade modification codes may be added directly to the end of any valid part number

TABLE I: DIMENSIONS



Shell Size	Ø A ±.016	B Flats ±.016	Thread C Class 2a	D ±.016	Ø E 2x	Ø F 2x	Thread G, Class 2a	Ø H +.000/-0.010	J +.010/-0.000
11	1.375 (34.93)	1.250 (31.75)	.812-20 UNEF	0.109 (2.77)	0.600 (15.24)	0.662 (16.81)	.5625-24	0.835 (21.21)	0.761 (19.33)
13	1.500 (38.10)	1.375 (34.93)	1.000-20 UNEF	0.109 (2.77)	0.700 (17.78)	0.762 (19.35)	.6875-24	1.020 (25.91)	0.945 (24.00)
15	1.625 (41.28)	1.500 (38.10)	1.125-18 UNEF	0.109 (2.77)	0.835 (21.21)	0.898 (22.81)	.8125-20	1.145 (29.08)	1.075 (27.31)
17	1.750 (44.45)	1.625 (41.28)	1.250-18 UNEF	0.125 (3.18)	0.960 (24.38)	1.022 (25.96)	.9375-20	1.270 (32.26)	1.200 (30.48)
19	1.938 (49.23)	1.812 (46.02)	1.375-18 UNEF	0.140 (3.56)	1.062 (26.97)	1.125 (28.58)	1.0625-18	1.395 (35.43)	1.325 (33.66)
21	2.062 (52.37)	1.938 (49.23)	1.500-18 UNEF	0.140 (3.56)	1.188 (30.18)	1.250 (31.75)	1.1875-18	1.520 (38.61)	1.450 (36.83)
23	2.188 (55.58)	2.062 (52.37)	1.625-18 UNEF	0.140 (3.56)	1.275 (32.39)	1.338 (33.99)	1.3125-18	1.645 (41.78)	1.575 (40.01)
25	2.312 (58.72)	2.188 (55.58)	1.750-18 UNS	0.140 (3.56)	1.475 (37.47)	1.538 (39.07)	1.4375-18	1.770 (44.96)	1.700 (43.18)

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253-046 Hermetic Plug, Fixed Jam-Nut Mount, Roll-On / Roll-Off Nose
MIL-STD-1560 power and signal insert arrangements

TEST REQ'D	PERFORMANCE
Hermeticity	<1 x 10 ⁻⁷ ccHe/sec
D.W.V.	Per rating and table
I.R.	5 Gigaohms @ 500 ±10 VDC

DWV TEST VOLTAGE	
Service Rating	Voltage AC RMS 60hz
M	1300 VAC
N	1000 VAC
I	1800 VAC
II	2300 VAC

NOTES:

- Material / finish:
 - Shell, jam-nut - 316L CRES / per P/N development
 - Contacts, hermetic - nickel-iron alloy / silver plate
 - Contacts, socket - copper alloy / gold plate
 - Insulator, hermetic - fused vitreous glass
 - Insulator, socket - high grade dielectric
 - Seal, interfacial - fluorosilicone elastomer
 - O-ring - fluorosilicone
- Glenair 253-046 is designed to mate with Glenair 253-015 having same insert arrangement and polarization, and opposite contact gender
- Misalignment capabilities are possible with mated pair. Reference Glenair connector 253-015

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	9	9-23	Size #20 7.5 Amp Max. Current #20-#24 AWG	2	9-94	Size #16 Contacts 13 Amp Max. Current #16-#20 AWG	2	11-2	#20	#16	#12	#10	Shell Size - Contact Arr.	
	19	11-23		3	9-98		4	13-4	14	1			15-15	
	32	13-23		4	11-4		5	15-5	8	4			15-97	
	55	15-23		5	11-5		8	17-8	21	2			17-99	
	73	17-23		6	11-98		11	19-11	26	2			19-28	
	88	19-23		7	11-99		16	21-16	29	1			19-30	
	121	21-23		8	13-8		21	23-21	19	4	4		21-29	
	151	23-23		10	13-98		16	23-97	37	2			21-39	
	187	25-23		18	15-18		11	23-99	48	8			25-4	
STANDARD				19	15-19		29	25-29	2			9	25-11	
Contact Type	#22D Contact Qty.	Shell Size - Contact Arr.		26	17-26		Size #12 Contacts 23 Amp Max. Current #12-14 AWG	#12 Contact Qty.	Shell Size - Contact Arr.		12	12		25-24
Size #22D 5 Amp Max. Current #22-#28 AWG	6	9-35		32	19-32					23				
	13	11-35		24	21-24	20								
	22	13-35		25	21-25									
	37	15-35		27	21-27									
	55	17-35		41	21-41									
	66	19-35		32	23-32									
	67	19-35		34	23-34									
	79	21-35		36	23-36									
	100	23-35		53	23-53									
	128	25-35		55	23-55									
				61	25-61									