

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



253-032 Crimp Receptacle, Float Mount, Environmental MIL-STD-1560 power and signal insert arrangements



253-032 float-mount receptacle with misalignment accommodation and external environmental seal

ADAPTER CODE **F**

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

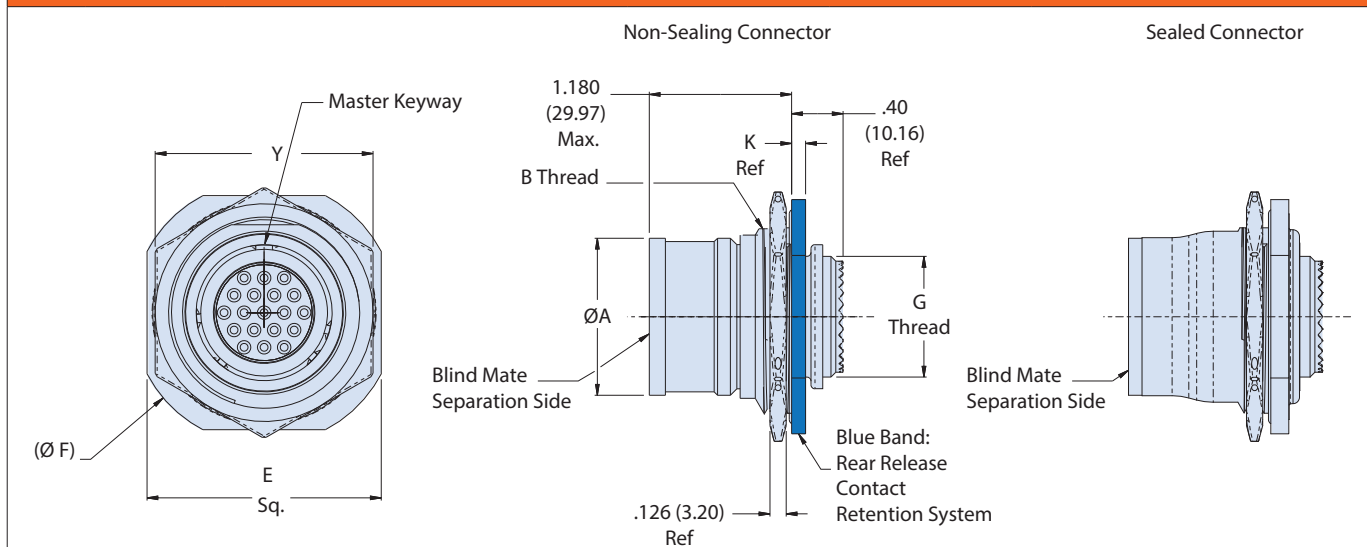
HOW TO ORDER

Sample Part No.	253-032	-07	ME	25-35	S	N	NS
Basic Part No.	253-032 = Blind-mate receptacle for use with 253-031 plug						
Mounting style	-07 = Floating jam nut mount receptacle						
Material/Finish	MN = Al Alloy, MegaNickel, per D38999 class AA ME = Aluminum, electroless nickel MT = Aluminum, nickel PTFE 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, crimp removable A = Pin insert less contacts S = Socket, crimp removable B = Socket insert less contacts						
Alternate Polarization*	A = 40°, B = 65°, C = 80°, D = 210°, E = 250°, F = 280°, G = 310°, H = 330°, N = 135° (Normal) Per L° BSC. Refers to blind mate side.						
Non Sealing	NS = Non-Sealing (omit for external elastomer seal version)						

253-019 receptacle mates with 253-037 plug

Space-grade modification codes may be added directly to the end of any valid part number

DIMENSIONS



Shell Size	ØA Max	B Thd, Class 2A	Y Hex	E ±.016 (0.41)	Ø F Max	Thd G, Class 2A	K .011/-.010 (0.28/ 0.25)
11	.853 (21.67)	1.1250-18 UNEF	1.300 (33.02)	1.391 (35.33)	1.641 (41.68)	.5625-24	.109 (2.77)
13	.978 (24.84)	1.2500-18 UNEF	1.457 (37.01)	1.516 (38.51)	1.750 (44.45)	.6875-24	.109 (2.77)
15	1.103 (28.02)	1.3750-18 UNEF	1.575 (40.00)	1.641 (41.68)	1.938 (49.23)	.8125-20	.109 (2.77)
17	1.228 (31.19)	1.5000-18 UNEF	1.693 (43.00)	1.828 (46.43)	2.062 (52.37)	.9375-20	.140 (3.56)
19	1.353 (34.37)	1.6250-18 UNEF	1.811 (46.00)	1.954 (49.63)	2.188 (55.58)	1.0625-18	.140 (3.56)
21	1.478 (37.54)	1.7500-18 UNS	2.010 (51.05)	2.078 (52.78)	2.312 (58.72)	1.1875-18	.140 (3.56)
23	1.603 (40.72)	1.8750-16 UNS	2.209 (56.11)	2.128 (54.05)	2.327 (59.11)	1.3125-18	.140 (3.56)
25	1.728 (43.89)	2.0000-16 UN	2.334 (59.28)	2.253 (57.23)	2.452 (62.28)	1.4375-18	.140 (3.56)

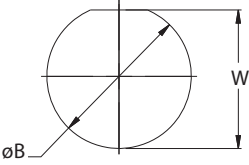
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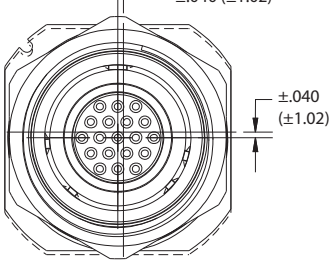
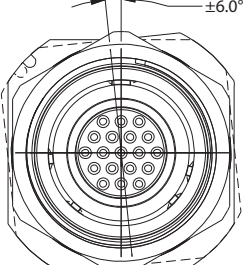
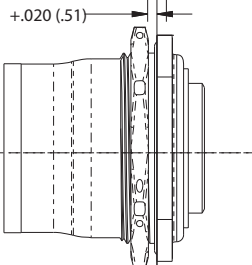


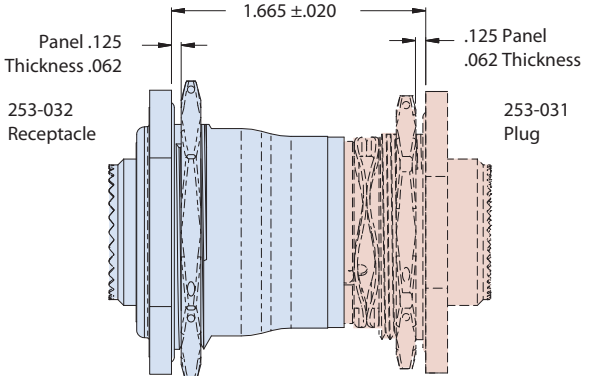
253-032 Crimp Receptacle, Float Mount, Environmental MIL-STD-1560 power and signal insert arrangements

NOTES:

- Connector mates with Glenair 253-031 series connector, having the same insert arrangement and polarization.
- Insert arrangement is in accordance with MIL-STD-1560 arrangements only. Contact manufacturer for availability
- Material/finish
 - Shell, flange, jam-nut: see part number development, finish
 - Wave spring: CRES 17-7PH/passivate
 - Insulators: high-grade rigid dielectric/N.A.
 - Contacts: copper alloy/gold plated
 - O-ring: fluorosilicone blend/N.A.

RECOMMENDED PANEL CUTOUT			
	Shell Size	Ø B .010/- .000 (0.25/.00)	W +.000/- .010 (.00/- .25)
	11	1.135 (28.83)	1.085 (27.56)
	13	1.260 (32.00)	1.210 (30.73)
	15	1.385 (35.18)	1.335 (33.91)
	17	1.510 (38.35)	1.460 (37.08)
	19	1.635 (41.53)	1.585 (40.26)
	21	1.760 (44.70)	1.710 (43.43)
	23	1.885 (47.88)	1.835 (46.61)
	25	2.010 (51.05)	1.960 (49.78)

253-032 MISALIGNMENT CAPABILITIES		
AXIAL MISALIGNMENT 	ANGULAR MISALIGNMENT 	LONGITUDINAL MISALIGNMENT 

253-032 - 253-031 DISTANCE BETWEEN MATED FLANGES	
	

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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			
STANDARD				26	17-26	11	23-99	48	8			25-4				
Contact Type	#22D Contact Qty.	Shell Size - Contact Arr.		32	19-32	29	25-29	2			9	25-11				
Size #22D 5 Amp Max. Current #22-#28 AWG	13	11-35		24	21-24	37	25-37		12	12		25-24				
	22	13-35		25	21-25								23	20		25-43
	37	15-35		27	21-27	Contact Type	#12 Contact Qty.	Shell Size - Contact Arr.								
	55	17-35		41	21-41	Size #12 Contacts	6	17-6								
	66	19-35		32	23-32	23 Amp Max. Current	11	21-11								
	67	19-35		34	23-34	#12-14 AWG	19	25-19								
	79	21-35		36	23-36											
	100	23-35		53	23-53											
				55	23-55											
				61	25-61											