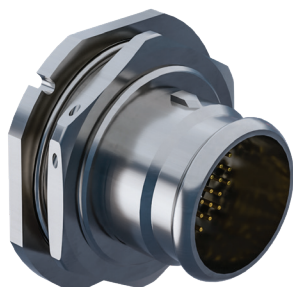


SPACE-GRADE MIL-DTL-38999 TYPE SuperNine® Blind-Mate / ASF Connectors



253-037 Crimp Plug, Float Mount , Roll-On / Roll-Off Nose
MIL-STD-1560 power and signal insert arrangements



253-037 float-mount plug with
roll-on/roll-off nose

ADAPTER CODE **F**

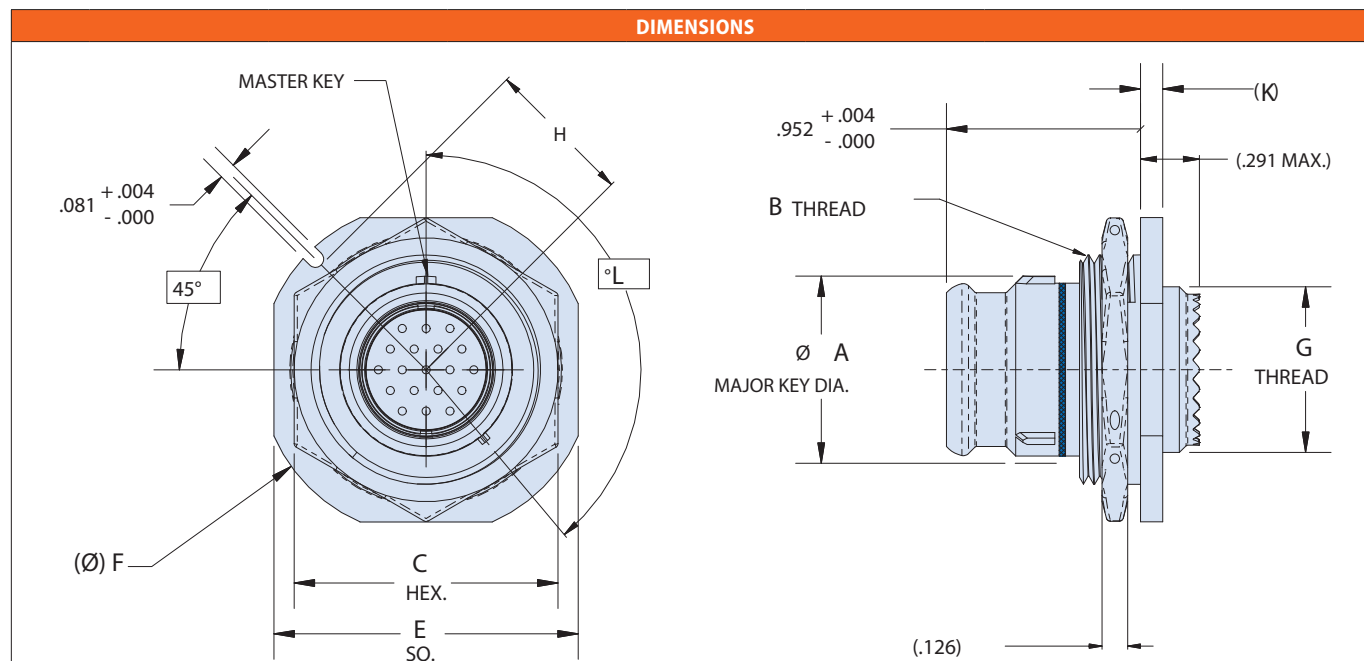
"F" adapter code accessories
(D38999 Series I, imperial thread)
fit this connector

HOW TO ORDER

Sample Part No.	253-037	-07	ME	25-35	P	N
Basic Part No.	253-037 Blind-mate plug with non-adjustable assisted separation					
Connector Mounting	-07 = Floating flange mount plug					
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 Type	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°, N = 135° (Normal) Per L° BSC. Refers to blind mate side.					

253-037 plug mates with 253-019 receptacles
Space-grade modification codes may be added directly to the end of any valid part number

DIMENSIONS



Shell Size	ØA Max	Thd B Class 2A	C Max	E ±.016(0.4)	G Thd Class 2A	K .011/-0.010 (.28/.25)	H +0/-0.008 (+0/-0.20)
11	.673 (17.09)	1.0000-20 UNEF	1.016 (25.81)	1.250 (31.75)	.5625-24	.109 (2.77)	0.604 (15.34)
13	.798 (20.27)	1.1250-18 UNEF	1.181 (30.00)	1.375 (34.93)	.6875-24	.109 (2.77)	0.666 (16.92)
15	.923 (23.44)	1.2500-18 UNEF	1.300 (33.02)	1.500 (38.10)	.8125-20	.109 (2.77)	0.729 (18.52)
17	1.048 (26.62)	1.3750-18 UNEF	1.457 (37.01)	1.625 (41.28)	.9375-20	.140 (3.56)	0.791 (20.09)
19	1.173 (29.79)	1.5000-18 UNEF	1.575 (40.01)	1.812 (46.02)	1.0625-18	.140 (3.56)	0.893 (22.68)
21	1.298 (32.97)	1.6250-18 UNEF	1.693 (43.00)	1.938 (49.23)	1.1875-18	.140 (3.56)	0.955 (24.26)
23	1.423 (36.14)	1.7500-18 UNS	1.880 (47.75)	2.062 (52.37)	1.3125-18	.140 (3.56)	1.017 (25.83)
25	1.548 (39.32)	1.8750-16 UNS	2.016 (51.21)	2.187 (55.55)	1.4375-18	.140 (3.56)	1.096 (27.84)

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

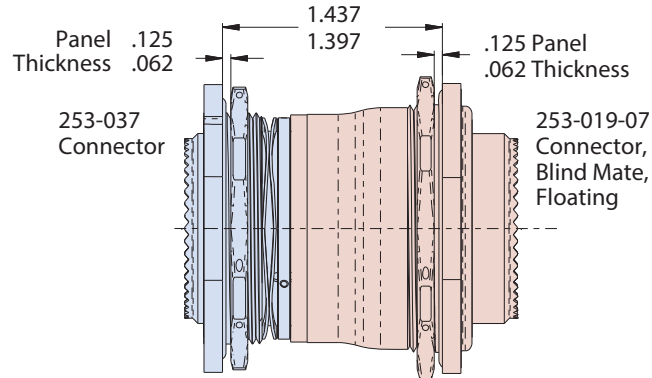


253-037 Crimp Plug, Float Mount, Roll-On / Roll-Off Nose
MIL-STD-1560 power and signal insert arrangements

NOTES:

- Connector mates with Glenair 253-019 connectors having same insert arrangement and polarization.
- Contact factory for PC tail versions.
- Stainless steel locating pin (Ø.79) to be shipped with connector
- Material/finish
 - Shell, jam-nut: see part number development, finish
 - Insulators: high-grade rigid dielectric/N.A.
 - O-ring: fluorosilicone blend, silicone
 - Contacts: copper alloy/gold plated

253-037 - 253-019 DISTANCE BETWEEN MATED FLANGES



RECOMMENDED PANEL CUTOUT DIMENSIONS

Shell Size	W	B Dia. ±.004 (.10)	S (adjacent connector spacing)
11	.460 (11.68)	.821 (20.85)	1.282 (32.56)
13	.504 (12.80)	1.007 (25.58)	1.417 (35.99)
15	.549 (13.94)	1.134 (28.80)	1.559 (39.60)
17	.593 (15.06)	1.259 (31.98)	1.705 (43.31)
19	.665 (16.89)	1.384 (35.15)	1.850 (46.99)
21	.709 (18.01)	1.507 (38.28)	1.992 (50.60)
23	.753 (19.13)	1.634 (41.50)	2.134 (54.20)
25	.806 (20.47)	1.759 (44.68)	2.350 (59.69)

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			25-43	
	66	19-35		27	21-27		Contact Type	#12 Contact Qty.	Shell Size - Contact Arr.					
	67	19-35		41	21-41		Size #12 Contacts 23 Amp Max. Current #12-14 AWG	6	17-6					
	79	21-35		32	23-32			11	21-11					
	100	23-35		34	23-34			19	25-19					
	128	25-35		36	23-36									
				53	23-53									
				55	23-55									
				61	25-61									