

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

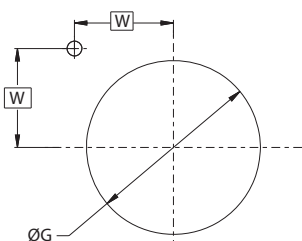


253-019 Crimp Receptacle, Jam-Nut Mount, Environmental MIL-STD-1560 power and signal insert arrangements



253-019 jam-nut float-mount receptacle
with misalignment accommodation
and external environmental seal

253-019-07 PANEL CUT-OUT



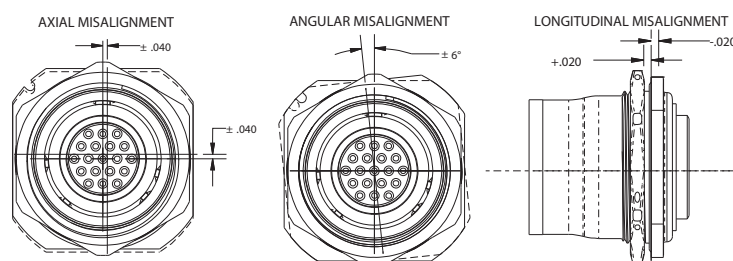
Shell Size	Ø G, Thru-Hole ±.004	W (Basic)
13	1.134 (28.80)	.549 (13.94)
15	1.259 (31.98)	.593 (15.06)
21	1.634 (41.50)	.753 (19.13)
23	1.759 (44.68)	.797 (20.24)
25	1.884 (47.85)	.810 (20.57)

HOW TO ORDER

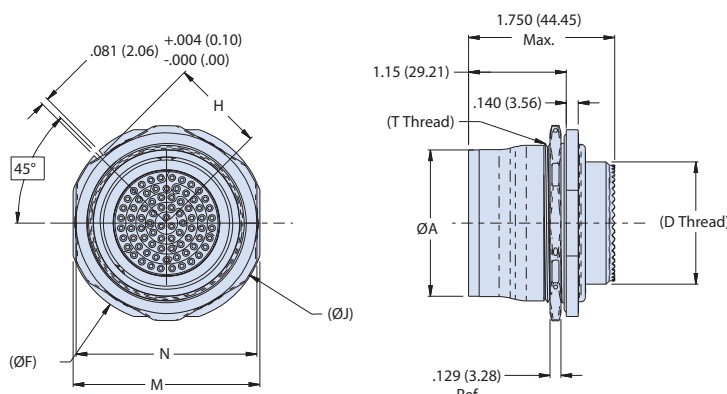
Sample Part No.	253-019	-07	ME	25-35	S	N
Basic Part No.	253-019 = Blind-mate receptacle for use with 253-018 bulkhead feed-thru					
Mounting style	07 = Jam-nut mount (float mount), receptacle 007 = Jam-nut mount (float mount), receptacle with reverse silkscreen marking					
Material/Finish	MN = Al Alloy, 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	S = Socket, crimp removable P = Pin, crimp removable					
Alternate Polarization*	A = 40°, B = 65°, C = 80°, D = 210°, E = 250°, F = 280°, G = 310°, H = 330°, N = 135° (Normal) Per L°. G6 only Refers to blind mate side. Plug/Receptacle side per MIL-DTL-38999					

253-019 jam-nut mount receptacles mate with 253-018 Bulkhead feedthrus or 253-037 plugs
Space-grade modification codes may be added directly to the end of any valid part number

253-017 MISALIGNMENT CAPABILITIES



253-019-07 JAM NUT RECEPTACLE, DIMENSIONS



Shell Size	F Flange	H (End of Slot) 0.0/-0.008(0.0/-0.20)	Ø J Jam Nut	N, Jam Nut Flat ±.010 (±.25)	M, Flange Flats ±.010 (±.25)	T Thread Class 2A	D Thread Class 2A	Ø A ±.010 (±.25)
13	1.640 (41.66)	0.729 (18.52)	1.500 (38.10)	1.300 (33.02)	1.390 (35.31)	1.125-18 UNEF	.6875-24	.970 (24.64)
15	1.750 (44.45)	0.791 (20.09)	1.625 (41.28)	1.450 (36.83)	1.515 (38.48)	1.250-18 UNEF	.8125-20	1.105 (28.07)
21	2.180 (55.37)	1.017 (25.83)	2.063 (52.40)	1.875 (47.63)	1.955 (49.66)	1.625-18 UNEF	1.1875-18	1.475 (37.47)
23	2.315 (58.80)	1.076 (27.33)	2.141 (54.38)	2.010 (51.05)	2.080 (52.83)	1.750-18 UNS	1.3125-18	1.595 (40.51)
25	2.330 (59.18)	1.100 (27.94)	2.300 (58.42)	2.125 (53.98)	2.195 (55.75)	1.875-16 UN	1.4375-18	1.720 (43.69)

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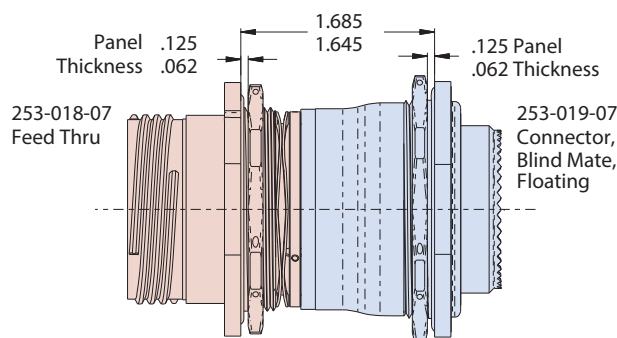
ADAPTER CODE **F**

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

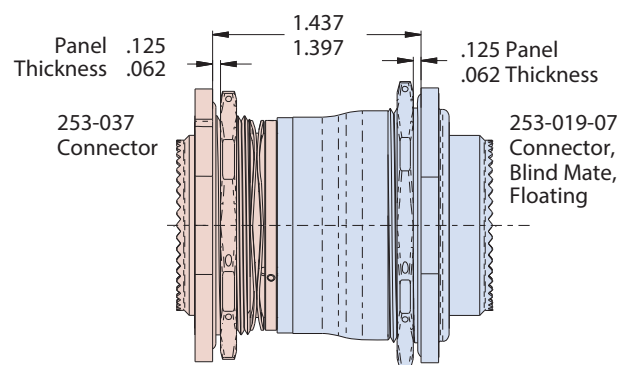
NOTES:

1. Connector mates with Glenair 253-018 and 253-037 fixed series connectors having same insert arrangement and polarization.
2. Contact factory for PC tail versions.
3. Material/finish
 - Shell, jam-nut: see part number development, finish
 - Spring: CRES/passivated
 - Insulators: high-grade rigid dielectric/N.A.
 - Seals: fluorosilicone blend, silicone
 - Contacts: copper alloy/gold plated

253-018 - 253-019 DISTANCE BETWEEN MATED FLANGES



253-037 - 253-019 DISTANCE BETWEEN MATED FLANGES



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				26	17-26		11	23-99	48	8			25-4
				32	19-32		29	25-29	2			9	25-11
				24	21-24		37	25-37		12	12		25-24
				25	21-25	Size #12 Contacts 23 Amp Max. Current #12-14 AWG			23	20			25-43
				27	21-27		Contact Type	#12 Contact Qty.					
				41	21-41								
				32	23-32		Size #12 Contacts	6					
				34	23-34		23 Amp Max. Current	11					
				36	23-36		#12-14 AWG	19					
				53	23-53								
				55	23-55								
				61	25-61								