

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



253-033 Bulkhead Feed-Thru, Jam-Nut Float-Mount Receptacle to D38999 type plug · MIL-STD-1560 power and signal insert arrangements

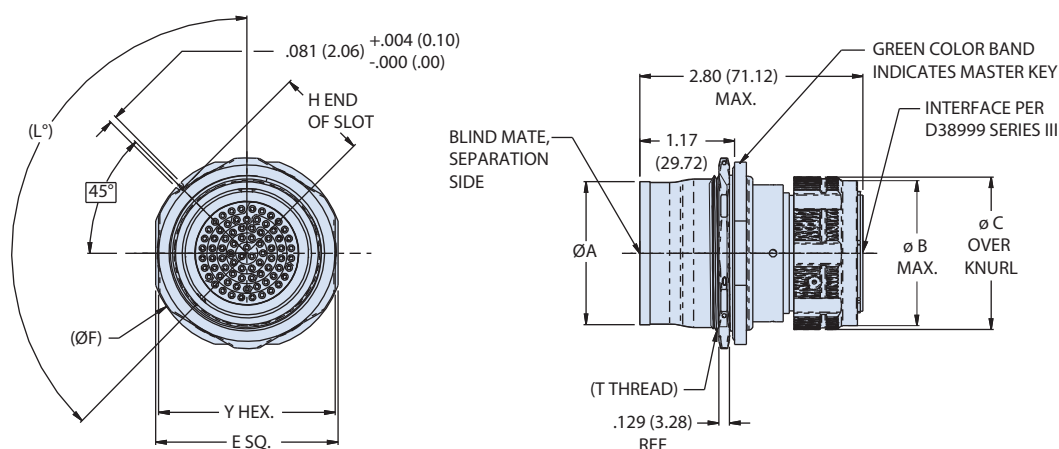


253-033 bulkhead feedthru with
misalignment accommodation, float-
mount jam-nut to D38999-type plug

HOW TO ORDER						
Sample Part No.	253-033	-07	ME	25-35	PP	N
Series / Basic Part No.	253-033 = Floating jam-nut mount, feed-thru receptacle with rear D38999 Series III plug interface.					
Mounting style	-07 = Jam-nut mount, float mount					
Material/Finish	MN = Al Alloy, MegaNickel, per D38999 class AA ME = Aluminum, electroless nickel MT = Aluminum, nickel PTFE ZL = CRES, electrodeposited nickel ZI = CRES, passivated					
Shell Size-Insert Arrangement*	Per MIL-STD-1560; symmetrical layouts only, See contact arrangements table					
Contact Style	PP = Pin on both sides SS = Socket on both sides BSDP = Blind-mate side socket - D38999 side pin BPDS = Blind-mate side pin - D38999 side socket					
Alternate Polarization*	A = 40°, B = 65°, C = 80°, D = 210°, E = 250°, F = 280°, G = 310°, H = 330°, N = 135° (Normal) Per L°. Refers to blind mate side. Plug side per MIL-DTL-38999.					

253-033 feed-thru mates with 253-018 feed-thru and 253-037 plug
Space-grade modification codes may be added directly to the end of any valid part number

DIMENSIONS



Shell Size	Ø A Max	T Thread Class 2A	Y Hex Flats	E flange ±.016	ØF Flange	H End of Slot +0/-0.008	ØB Max	ØC Max
13	.978	1.1250-18 UNEF	1.300 (33.02)	1.391 (35.33)	1.6441 (41.76)	.729 (18.52)	1.050 (26.67)	1.200 (30.48)
15	1.103	1.2500-18 UNEF	1.457 (37.01)	1.516 (38.51)	1.750 (44.45)	.791 (20.09)	1.180 (29.97)	1.320 (33.53)
23	1.603	1.7500-18 UNEF	2.010 (51.05)	2.078 (52.78)	2.312 (58.72)	1.072 (27.23)	1.670 (42.42)	1.790 (45.47)
25	1.728	1.8750-18 UNEF	2.125 (53.97)	2.200 (55.88)	2.327 (59.11)	1.096 (27.84)	1.800 (45.72)	1.920 (48.77)

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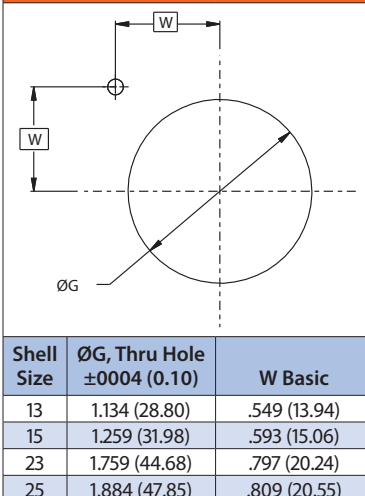


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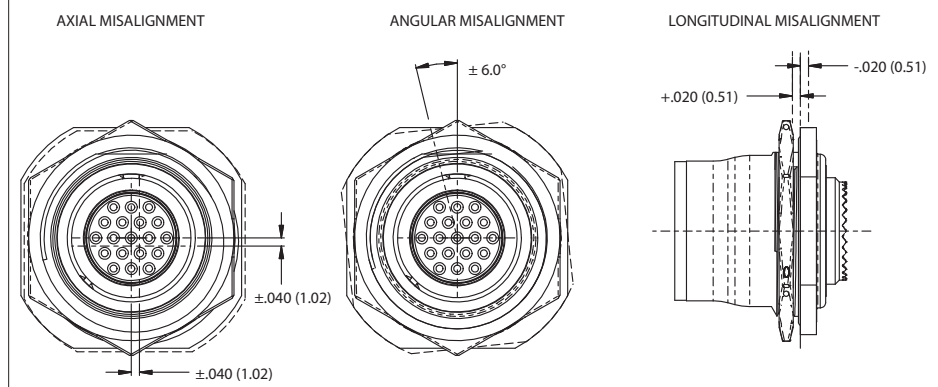
NOTES:

1. Distance between mated mounting flanges: 1.808 Consult manufacturer other distance between mounting flanges is required
2. See Space-Grade guidelines for outgassing/screening options available
3. Stainless steel locating pin (Ø.079) shipped with each connector
4. Misalignment capabilities are possible with mated pair reference Glenair connector 253-018

RECOMMENDED PANEL CUT-OUT

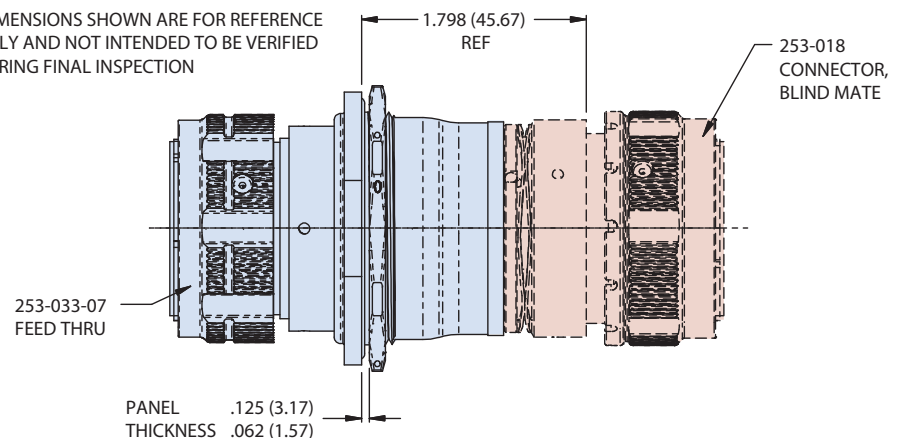


253-033 MISALIGNMENT CAPABILITIES



253-033 - 253-018 DISTANCE BETWEEN MATED FLANGES

*DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND NOT INTENDED TO BE VERIFIED DURING FINAL INSPECTION



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.			
									#20	#16	#12	#10				
Size #23 High-Density 5 Amp Max. Current #22-#26 AWG	32	13-23	Size #20 7.5 Amp Max. Current #20-#24 AWG	8	13-8	Size #16 Contacts 13 Amp Max. Current #16-#20 AWG	4	13-4	14	1			15-15			
	55	15-23		10	13-98		5	15-5	8	4			15-97			
	151	23-23		18	15-18		21	23-21	48	8			25-4			
	187	25-23		19	15-19		16	23-97	2			9	25-11			
				32	23-32		11	23-99					25-24			
		34		23-34	29		25-29	23	12	12		25-43				
STANDARD				36	23-36	37	25-37									
Contact Type	#22D Contact Qty.	Shell Size - Contact Arr.		53	23-53	Contact Type	#12 Contact Qty.	Shell Size - Contact Arr.								
Size #22D 5 Amp Max. Current #22-#28 AWG	22	13-35		55	23-55				Size #12 Contacts 23 Amp Max. Current #12-14 AWG	19	25-19					
	37	15-35		61	25-61											
	100	23-35														
	128	25-35														