

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



253-025 Locking Circuit and Test Mate Plug Connector MIL-STD-1560 power and signal insert arrangements



253-025 locking circuit and test mate plug connector

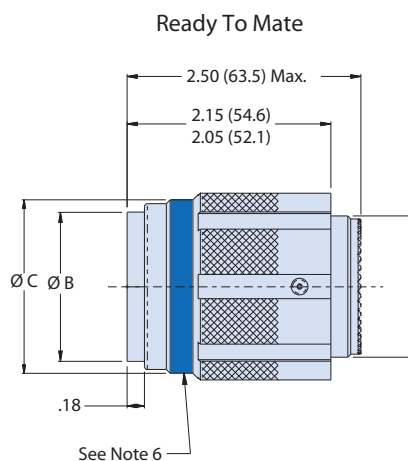
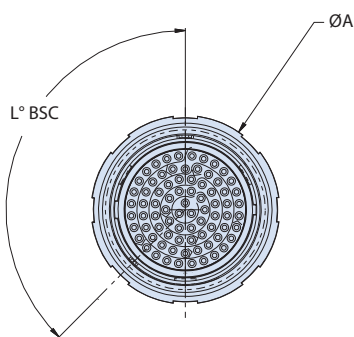
ADAPTER CODE **H**

"H" adapter code accessories (D38999 Series III, metric thread) fit this connector

HOW TO ORDER						
Sample Part No.	253-025	-G6	ME	23-43	P	N
Basic Part No.	253-025 = Locking circuit and test mate connector					
Mounting style	-G6 = In-line					
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° Basic. Refers to blind mate side. Plug side per MIL-DTL-38999.					

253-025 Locking circuit and test-mate connectors mate with 253-016 fixed wall-mount ASF plugs
Space-grade modification codes may be added directly to the end of any valid part number

DIMENSIONS



Shell Size	Ø A Max	Ø B	Ø C	T Thd 1.0-6g-0.100R
17	1.55 (39.37)	1.10 (27.94)	1.29 (32.77)	M25
19	1.67 (42.42)	1.17 (29.72)	1.42 (36.07)	M28
25	2.05 (52.07)	1.54 (39.12)	1.79 (45.47)	M37

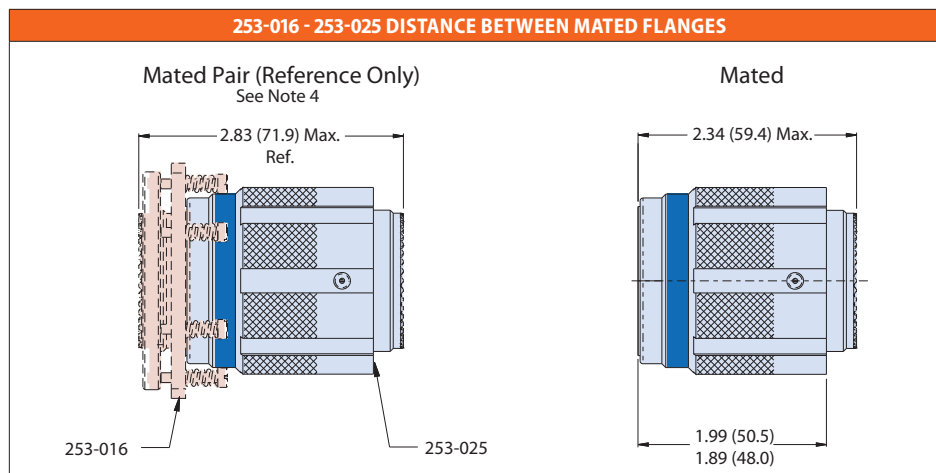
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NOTES:

- Material/ finish:
 - Shell, coupling ring, segments - see part number development, finish
 - Insulators - high-grade rigid dielectric
 - Contacts - copper alloy / gold plated
- Connector mates with Glenair 253-016 series connector, having the same insert arrangement and polarization.
- Insert arrangement is in accordance with MIL-STD-1560 arrangements only. Contact manufacturer for availability.
- Connector mated with Glenair 253-016 is shown for reference only.
- See Space-Grade guidelines for outgassing and screening options available
- Blue color band indicates rear release contact retention system



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	Size #12 Contacts 23 Amp Max. Current #12-14 AWG	29	25-29	2			9	25-11
Size #22D 5 Amp Max. Current #22-#28 AWG	6	9-35		26	17-26		37	25-37		12	12		25-24
	13	11-35		32	19-32				23	20			25-43
	22	13-35		24	21-24		Contact Type			#12 Contact Qty.			Shell Size - Contact Arr.
	37	15-35		25	21-25		Size #12 Contacts 23 Amp Max. Current #12-14 AWG	6	17-6	11	21-11	19	25-19
	55	17-35		27	21-27								
	66	19-35		41	21-41								
	67	19-35		32	23-32								
	79	21-35		34	23-34								
	100	23-35		36	23-36								
	128	25-35		53	23-53								
				55	23-55								
				61	25-61								