

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



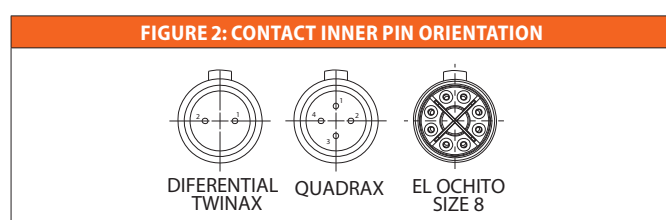
High-Speed data and RF insert arrangements

CRIMP CONTACTS									
Size #22 - #12 Contacts									
Contact Size	#23		#22D		#20		#16		#12
Wire Gauge	#22 - #28 AWG		#22 - #28 AWG		#20-#24 AWG		#16 - #20 AWG		#12 - #14 AWG
Max Current	5 amps		5 amps		7.5 amps		13 amps		23 amps
Pin	857-189		857-151-22		857-151-20		857-151-16		857-151-12
Socket	857-190		857-150-22		857-150-20		857-150-16		857-150-12
Size #8, #12, #16 Coax, Twinax, Quadrx, Pneumatic, Optoelectronic									
Contact Size	#8 Coax 50Ω	#8 Coax 75Ω*	#12 Coax	#16 Coax	#8 Conc. Twinax	#8 Diff. Twinax	#8 Quadrx	#12 Pneumatic	#8 Optoelectronic
Pin	Depends on Cable	Depends on Cable	Depends on Cable	852-008	853-003	853-014	854-001	830-003	050-301 Tx
Socket	Depends on Cable	Depends on Cable	Depends on Cable	852-009	853-004	853-013	854-002	830-005	050-301 Rx
Size #8 El Ochito Contacts									
Contact Size	#8 El Ochito White, Type I		#8 El Ochito White, Type II		#8 El Ochito Blue, Type I		#8 El Ochito Blue, Type II		#8 El Ochito Red, Type I
Pin	858-003		858-005		858-028		858-069		858-030
Socket	858-004		858-006		858-029		858-070		858-031

*Contact factory for ordering details

SIZE 8 HIGH-SPEED INSERT ARRANGEMENTS*		
Shell Size	#8	Shell Size - Insert Arr.
9	1	9G5
11	1	11-1
17	2	17-75
19	4	19-4
21	4	21-75
23	5	23-5
23	6	23-6
25	8	25-8

*Note that any size #8 High-Speed contact can be substituted for size #8 power contact. See page C-4 for typical High-Speed contact applications.



COMBO HIGH-SPEED INSERT ARRANGEMENTS*							
Shell Size	Number of Contacts						Shell Size - Insert Arr.
	#23	#22D	#20	#16	#12	#8	
13	14					1	13-14
17		38		2		1	17-2
17					2	2	17-22
17		8				2	17-60
19		10	1	4		2	19-17
19		14				4	19-18
25		97				2	25-7
25		36				6	25-17
25			10	13	4	3	25-20
25			16		5	4	25-26
25		22	3	11	2	3	25-41
25			40	4		2	25-46

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Contact Legend #23 ● #22D ○ #16 ⊕ #20 ⊖ #12 ◐ #10 ◑ #8 ●					
Insert Arrangement		9G5*	11-1	13-14	17-2
No. of Contacts		1x #8	1x #8	1x #8 14x #23	1x #8 38x #22D

*Only available with ground plane option

Contact Legend #23 ● #22D ○ #16 ⊕ #20 ⊖ #12 ◐ #10 ◑ #8 ●					
Insert Arrangement		17-22	17-60	17-75	19-4
No. of Contacts		2x #8 2x #12	2x #8 8x #22D	2x #8	4x #8

Contact Legend #23 ● #22D ○ #16 ⊕ #20 ⊖ #12 ◐ #10 ◑ #8 ●				
Insert Arrangement		19-17	19A-17	19-18
No. of Contacts		2x #8 4x #16 1x #20 10x #22D	1x #8 16x #20	4x #8 14x #22D

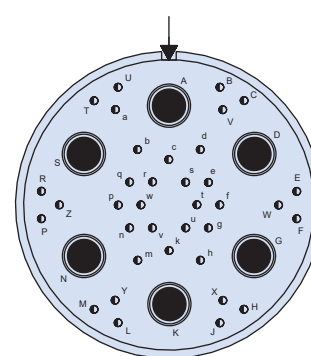
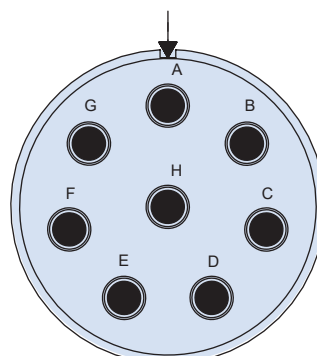
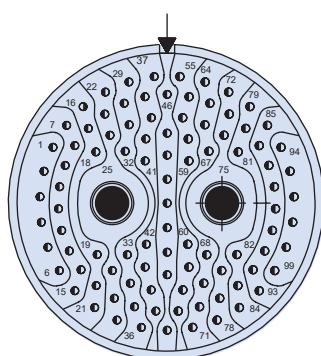
Contact Legend #23 ● #22D ○ #16 ⊕ #20 ⊖ #12 ◐ #10 ◑ #8 ●				
Insert Arrangement		21-75	23-5	23-6
No. of Contacts and Size		4x #8	5x #8	6x #8

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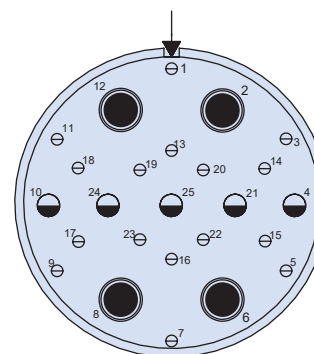
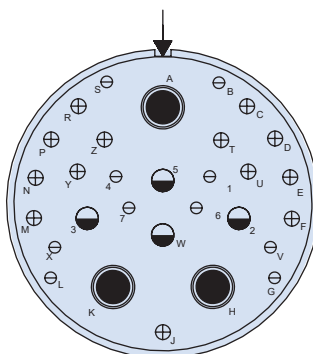
High-Speed data and RF insert arrangements

Contact Legend
 #23 • #22D •
 #16 ⊕ #20 ⊖
 #12 ◐ #10 ◑
 #8 ●



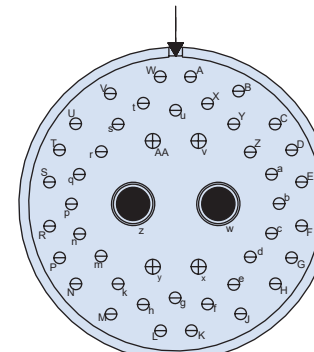
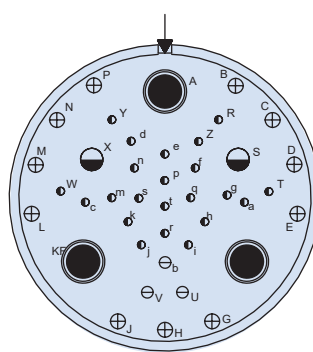
Insert Arrangement	25-7		25-8		25-17	
No. of Contacts and Size	2x #8	97x #22D	8x #8		6x #8	36x #22D

Contact Legend
 #23 • #22D •
 #16 ⊕ #20 ⊖
 #12 ◐ #10 ◑
 #8 ●



Insert Arrangement	25-20				25-26		
No. of Contacts and Size	3x #8	4x #12	13x #16	10x #20	4x #8	5x #12	16x #20

Contact Legend
 #23 • #22D •
 #16 ⊕ #20 ⊖
 #12 ◐ #10 ◑
 #8 ●



Insert Arrangement	25-41					25-46 and 25-90		
No. of Contacts and Size	3x #8	2x #12	11x #16	3x #20	22x #22D	2x #8	4x #16	40x #20