

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



MIL-STD-1560 Standard Contact Arrangements

STANDARD AS39029 CONTACTS			
SIZE #22	SIZE #20	SIZE #16	SIZE #12
M39029/58-360 / 850-002-22-360 Pin	M39029/58-363 / 850-002-20-363 Pin	M39029/58-364 / 850-002-16-364 Pin	M39029/58-365 / 850-002-12-365 Pin
M39029/56-348 / 850-001-22-348 Socket	M39029/56-351 / 850-001-20-351 Socket	M39029/56-352 / 850-001-16-352 Socket	M39029/56-353 / 850-001-12-353 Socket

GLENAIR SIGNATURE SUPERNINE HIGH-PERFORMANCE CONTACTS			
SIZE #22	SIZE #20	SIZE #16	SIZE #12
857-151-22 Pin	857-151-20 Pin	857-151-16 Pin	857-151-12 Pin
857-150-22 Socket	857-150-20 Socket	857-150-16 Socket	857-150-12 Socket

STANDARD CONTACT ARRANGEMENTS					
Contact	Number of Contacts				Insert Arrangement
	#22D	#20	#16	#12	
Size #22D 5 Amp Max. Current #22-#28 AWG	6				9-35
	13				11-35
	22				13-35
	37				15-35
	55				17-35
	66				19-35
	67				19-35
	79				21-35
	100				23-35
	128				25-35
Size #20 7.5 Amp Max. Current #20-#24 AWG		2			9-94
		3			9-98
		4			11-4
		5			11-5
		6			11-98
		7			11-99
		8			13-8
		10			13-98
		18			15-18
		19			15-19
		26			17-26
		32			19-32
		24			21-24
		25			21-25
		27			21-27
		41			21-41
		32			23-32
		34			23-34
		36			23-36
		53			23-53
		55			23-55
		61			25-61

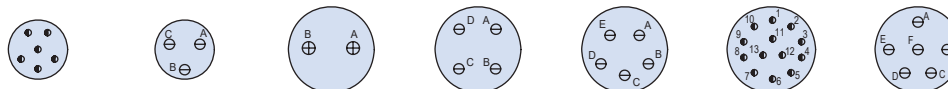
STANDARD CONTACT ARRANGEMENTS					
Contact	Number of Contacts				Insert Arrangement
	#22D	#20	#16	#12	
Size #16 Contacts 13 Amp Max. Current #16-#20 AWG			2		11-2
			4		13-4
			5		15-5
			8		17-8
			11		19-11
			16		21-16
			21		23-21
			16		23-97
			11		23-99
			29		25-29
Size #12 Contacts 23 Amp Max. Current #12-14 AWG			37		25-37
				6	17-6
				11	21-11
				19	25-19

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



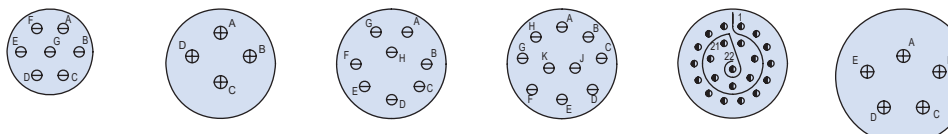
MIL-STD-1560 Standard Contact Arrangements

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ⊙



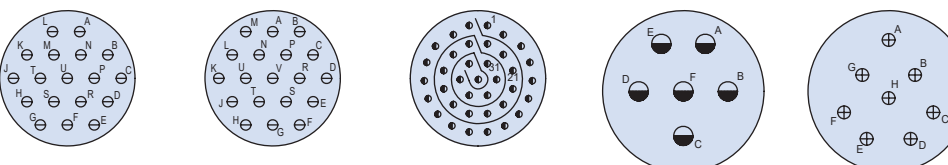
Insert Arrangement	9-35	9-98	11-2	11-4	11-5	11-35	11-98
No. of Contacts	6	3	2	4	5	13	6
Contact Size	#22D	#20	#16	#20	#20	#22D	#20
Service Rating	M	I	I	I	I	M	I

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ⊙



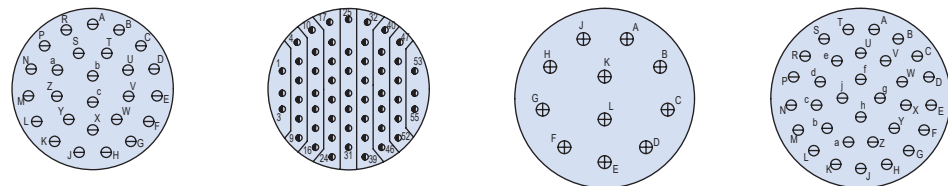
Insert Arrangement	11-99	13-4	13-8	13-98	13-35	15-5
No. of Contacts	7	4	8	10	22	5
Contact Size	#20	#16	#20	#20	#22D	#16
Service Rating	I	I	I	I	M	II

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ⊙



Insert Arrangement	15-18	15-19	15-35	17-6	17-8
No. of Contacts	18	19	37	6	8
Contact Size	#20	#20	#22D	#12	#16
Service Rating	I	I	M	I	II

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ⊙



Insert Arrangement	17-26	17-35	19-11	19-32
No. of Contacts	26	55	11	32
Contact Size	#20	#22D	#16	#20
Service Rating	I	M	II	I

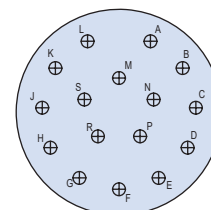
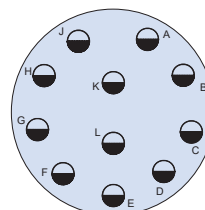
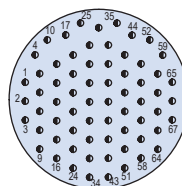
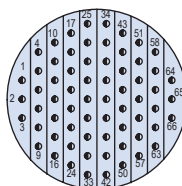
SPACE-GRADE MIL-DTL-38999 TYPE SuperNine® Blind-Mate / ASF Connectors



MIL-STD-1560 Standard Contact Arrangements

Contact Legend

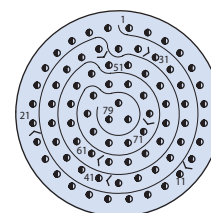
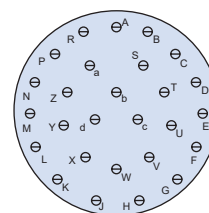
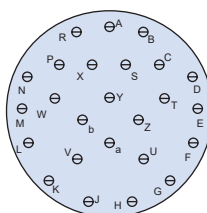
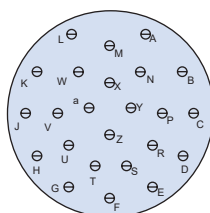
#22D • #16 ⊕
#20 ⊖ #12 ●



Insert Arrangement	19-35	19-45	21-11	21-16
No. of Contacts	66	67	11	16
Contact Size	#22D	#22D	#12	#16
Service Rating	M	M	I	II

Contact Legend

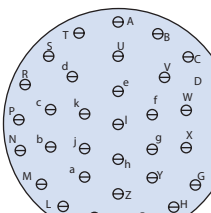
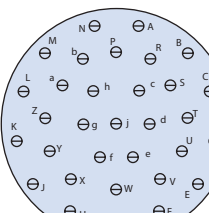
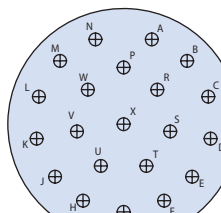
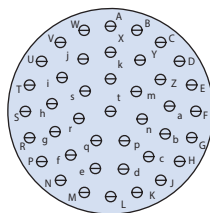
#22D • #16 ⊕
#20 ⊖ #12 ●



Insert Arrangement	21-24	21-25	21-27	21-35
No. of Contacts	24	25	27	79
Contact Size	#20	#20	#20	#22D
Service Rating	I	I	I	M

Contact Legend

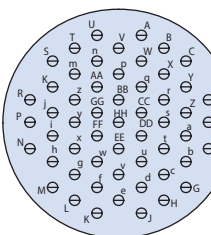
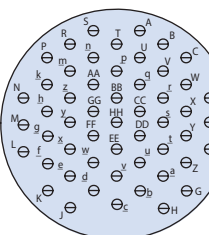
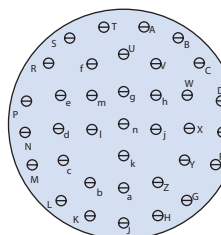
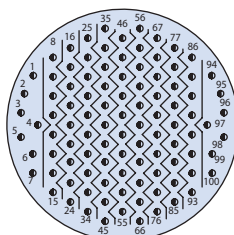
#22D • #16 ⊕
#20 ⊖ #12 ●



Insert Arrangement	21-41	23-21	23-32	23-34
No. of Contacts	41	21	32	34
Contact Size	#20	#16	#20	#20
Service Rating	I	II	I	I

Contact Legend

#22D • #16 ⊕
#20 ⊖ #12 ●



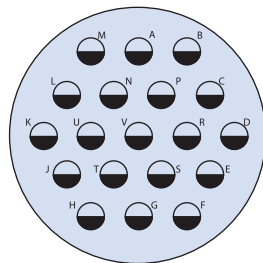
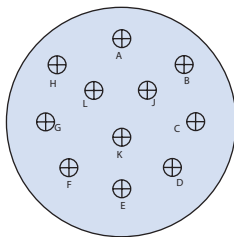
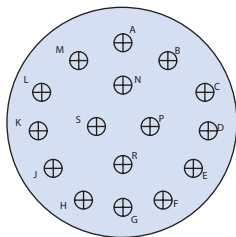
Insert Arrangement	23-35	23-36	23-53	23-55
No. of Contacts	100	36	53	55
Contact Size	#22D	#20	#20	#20
Service Rating	M	I	I	I

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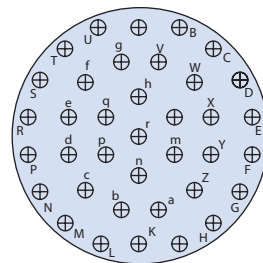
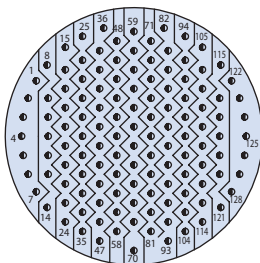
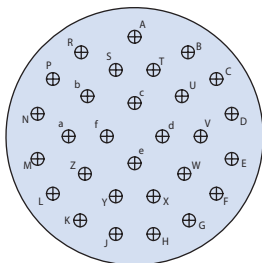
MIL-STD-1560 Standard Contact Arrangements

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ●



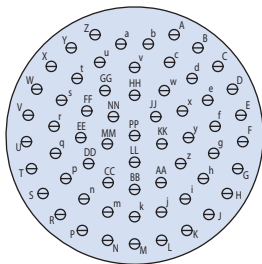
Insert Arrangement	23-97	23-99	25-19
No. of Contacts	16	11	19
Contact Size	#16	#16	#12
Service Rating	I	II	I

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ●



Insert Arrangement	25-29	25-35	25-37
No. of Contacts	29	128	37
Contact Size	#16	#22D	#16
Service Rating	I	M	II

Contact Legend
#22D • #16 ⊕
#20 ⊖ #12 ●



Insert Arrangement	25-61
No. of Contacts	61
Contact Size	#20
Service Rating	I

	TEST VOLTAGE AC RMS 60HZ IAW MIL-DTL-38999							
	Sea Level		50,000 Ft.		70,000 Ft.		100,000 Ft	
Service Rating	unmated	mated	unmated	mated	unmated	mated	unmated	mated
M	1300	1300	550	800	350	800	200	800
N	1000	1000	400	600	260	600	200	600
I	1800	1800	600	1000	400	1000	200	1000
II	2300	2300	800	1000	500	1000	200	1000

Note: The provision of electrical safety factors in each particular application, including peak voltages, switching currents, transients, etc. is the responsibility of the electrical engineer.