



**Insert Availability and Contact Information**

Insert Arrangement	Aero-Electric		Service	Total	Quantity of Contacts					
	Status			No. of	(by Size)					
Series III	QPL'd	Tooled	Rating	Contacts	22D	20	16	12	10	8
A35	Yes	Yes	M	6	6					
A98	Yes	Yes	I	3		3				
B2	Yes	Yes	I	2			2			
B4	Yes	Yes	I	4		4				
B5	Yes	Yes	I	5		5				
B35	Yes	Yes	M	13	13					
B98	Yes	Yes	I	6		6				
B99	Yes	Yes	I	7		7				
C4	Yes	Yes	I	4			4			
C8	Yes	Yes	I	8		8				
C35	Yes	Yes	M	22	22					
C98	Yes	Yes	I	10		10				
D5	Yes	Yes	II	5			5			
D15	Yes	Yes	I	15		14	1			
D18	Yes	Yes	I	18		18				
D19	Yes	Yes	I	19		19				
D35	Yes	Yes	M	37	37					
D97	Yes	Yes	I	12		8	4			
E6	Yes	Yes	I	6				6		
E8	Yes	Yes	II	8			8			
E26	Yes	Yes	I	26		26				
E35	Yes	Yes	M	55	55					
E99	Yes	Yes	I	23		21	2			
F11	Yes	Yes	II	11			11			
F28	Yes	Yes	I	28		26	2			
F30	Yes	Yes	I	30		29	1			
F32	Yes	Yes	I	32		32				
F35	Yes	Yes	M	66	66					

See next page for Shell Sizes G thru J layouts.

**MIL-DTL-38999 Series III**  
**Insert Availability and Contact Information**  
**per MIL-STD-1560**



**Insert Availability and Contact Information (continued)**

Insert Arrangement	Aero-Electric		Service	Total	Quantity of Contacts					
	Status			No. of	(by Size)					
Series III	QPL'd	Tooled	Rating	Contacts	22D	20	16	12	10	8
G11++	Yes	Yes	I	11				11		
G16	Yes	Yes	II	16			16			
G35	Yes	Yes	M	79	79					
G39	Yes	Yes	I	39		37	2			
G41	Yes	Yes	I	41		41				
G48**	N/A	Yes	I	4						4 (Power)
G75	Yes	Yes	Twinax	4						4 (Twinax)
H21	Yes	Yes	II	21			21			
H32	Yes	Yes	I	32		32				
H35	Yes	Yes	M	100	100					
H53	Yes	Yes	I	53		53				
H55	Yes	Yes	I	55		55				
J4	Yes	Yes	I	56		48	8			
J8	Yes	Yes	Twinax	8						8 (Twinax)
J11	Yes	Yes	N	11		2			9	
J19	Yes	Yes	I	19				19		
J20	Yes	Yes	N, Coax, Twinax	30		10	13	4 (Coax)		3 (Twinax)
J24	Yes	Yes	I	24			12	12		
J29	Yes	Yes	I	29			29			
J35	Yes	Yes	M	128	128					
J37	Yes	Yes	II	37			37			
J43	Yes	Yes	I	43		23	20			
J46***	Yes	Yes	I, Coax	46		40	4			2 (Coax)
J61	Yes	Yes	I	61		61				
J90	Yes	Yes	I, Twinax	46		40	4			2 (Twinax)

\*\* G48 layout is not to MIL-STD-1560. It is tooled and intended for comm'l use only.

\*\*\* Not approved for new design. Pictorial is shown on page 62.

++ G11 insert arrangement cannot be ordered with A or B suffix, as certifying agency does not want non-standard contacts used in these connectors.

**Note 1:** J20P uses 4 size 12 coax contacts as follows: 2 ea M39029/28-211 and 2 ea of M39029/102-558; J20S uses 4 size 12 coax contacts as follows: 2 ea M39029/75-416 and 2 ea of M39029/103-559.

**Note 2:** Layouts (G75, J8, J20, J46 and J90) that take twinax or coax contacts should not be used for firewall applications (Classes K & S) in Series III.

**Note 3:** H and J contact styles (in lieu of P & S) are meant for Composite (classes J & M) Series III only. Aluminum (classes F & W) and Firewall (classes K & S) are rated for 500 cycles regardless what contacts are used.



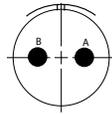
**Insert Arrangements Views**



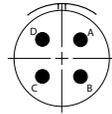
A35,  
6 # 22D, M



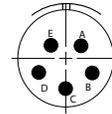
A98,  
3 # 20, I



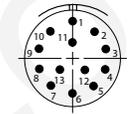
B2,  
2 # 16, I



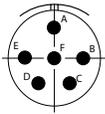
B4,  
4 # 20, I



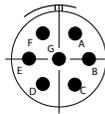
B5,  
5 # 20, I



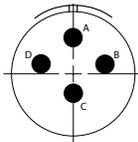
B35,  
13 # 22D, M



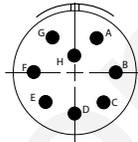
B98,  
6 # 20, I



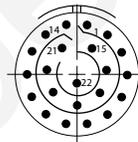
B99,  
7 # 20, I



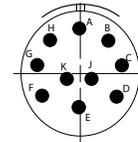
C4,  
4 # 16, I



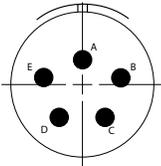
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8 # 20, I



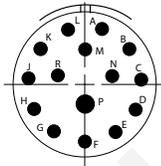
C35,  
22 # 22D, M



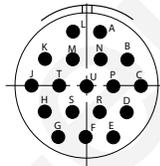
C98,  
10 # 20, I



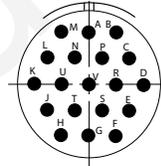
D5,  
5 # 16, II



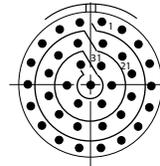
D15,  
1 # 16, 14 # 20, I



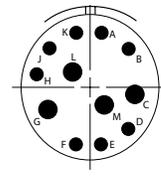
D18,  
18 # 20, I



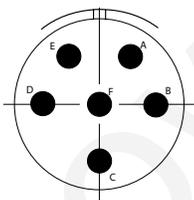
D19,  
19 # 20, I



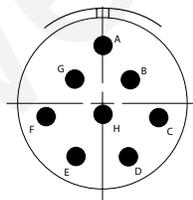
D35,  
37 # 22D, M



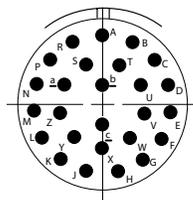
D97,  
4 # 16, 8 # 20, I



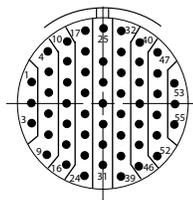
E6,  
6 # 12, I



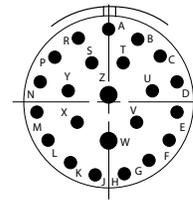
E8,  
8 # 16, II



E26,  
26 # 20, I



E35,  
55 # 22D, M

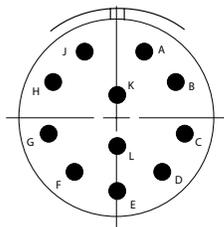


E99,  
2 # 16, 21 # 20, I

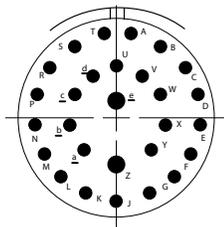
**MIL-STD-1560**  
**Insert Arrangements (Pin Front View)**  
**for MIL-DTL-38999 Series III Connectors**



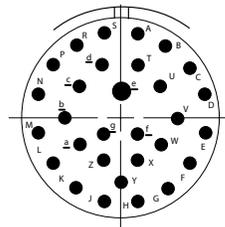
**Insert Arrangements Views**



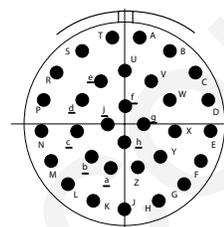
F11,  
11 # 16, II



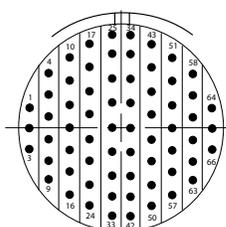
F28,  
2 # 16, 2 # 20, I



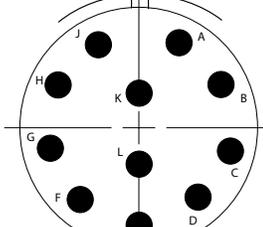
F30,  
1 # 16, 29 # 20, I



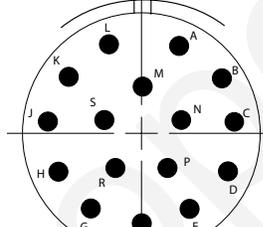
F32,  
32 # 20, I



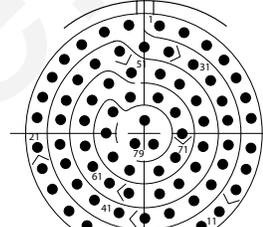
F35,  
66 # 22D, M



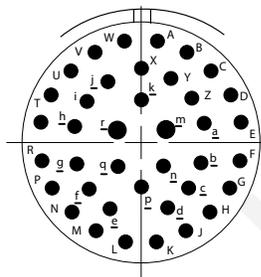
G11,  
11 # 12, I



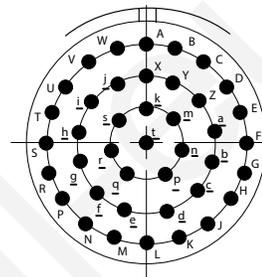
G16,  
16 # 16, II



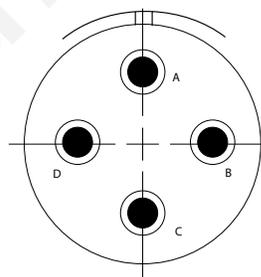
G35,  
79 # 22D, M



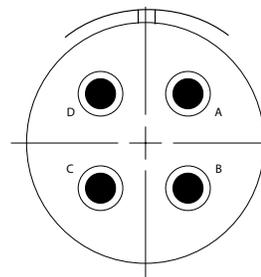
G39,  
2 # 16, 37 # 20, I



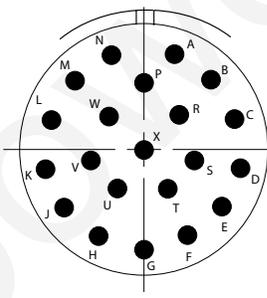
G41,  
41 # 20, I



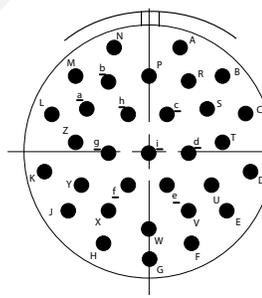
G48\*\*,  
4 # 8 Pove r, I



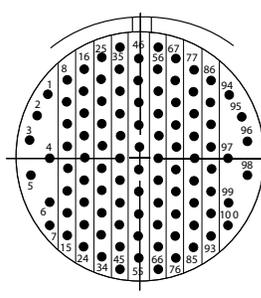
G75,  
4 # 8 Twinax, Twinax



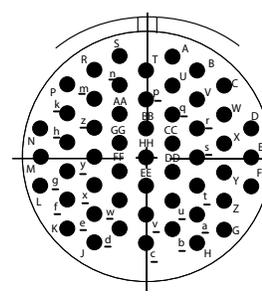
H21,  
21 # 16, II



H32,  
32 # 20, I



H35,  
100 # 22D, M



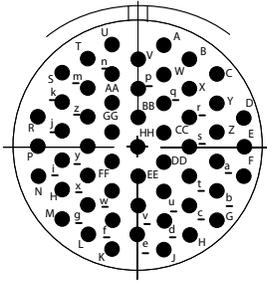
H53,  
53 # 20, I

\* Inactive for new design.

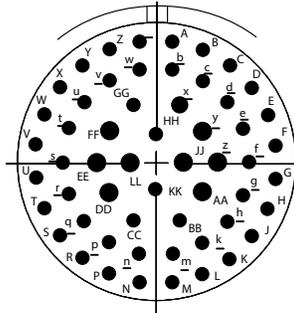
\*\* Not MIL-STD-1560 layout (not QPL'd).

38999 S III

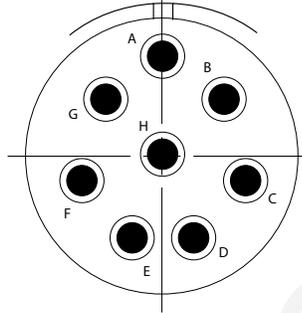
Insert Arrangements Views



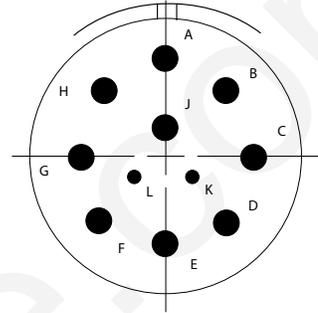
H55,  
55 # 20, I



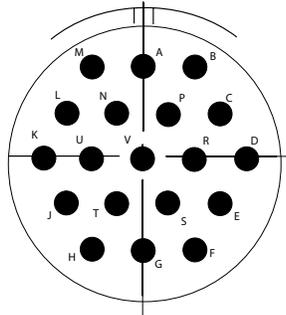
J4,  
8 # 16, 48 # 20, I



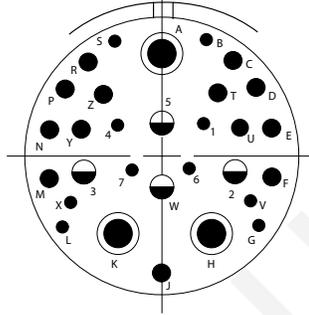
J8  
8 # 8 Twinax,  
Twinax



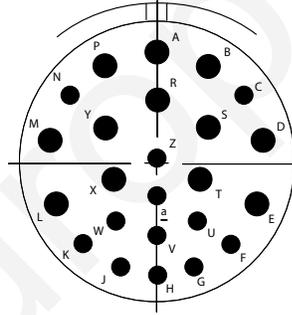
J11  
9 # 10, 2 # 20,  
N



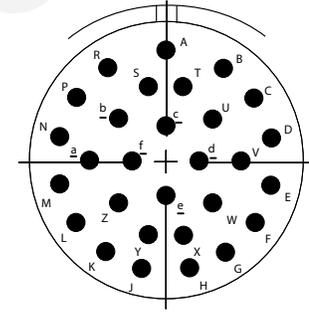
J19,  
19 # 12, I



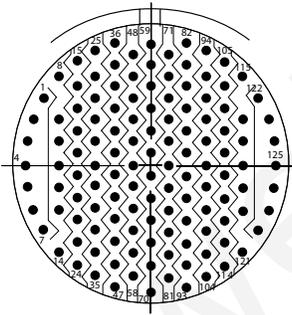
J20  
10 # 20, 13 # 16, 4 # 12, 3 # 8 Twinax,  
N / Coax / Twinax



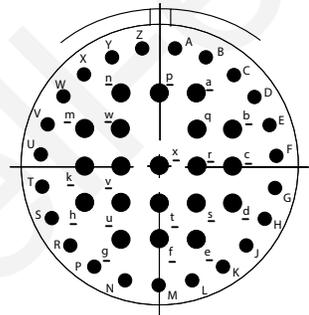
J24,  
12 # 12, 12 # 16, I



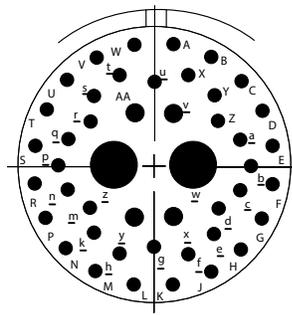
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29 # 16, I



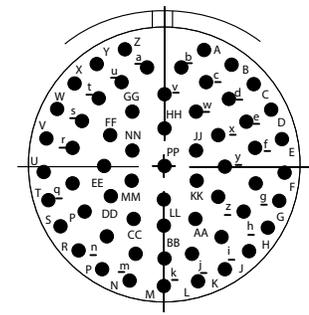
J35,  
128 # 22D, M



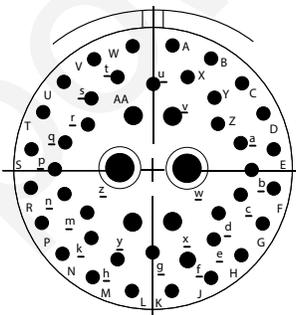
J43,  
20 # 16, 23 # 20, I



J46,  
40 # 20, 4 # 16, 2 # 8 Coax I / Coax



J61,  
61 # 20, I



J90,  
40 # 20, 4 # 16, 2 # 8 Twinax,  
I / Twinax

38999 S III