

Insert Arrangements

DL Series • MIL-DTL-38999 Series I Style Connectors

Selecting Your Insert Arrangement

Below is a chart that represents every available shell and insert arrangement within the series. To choose the proper insert arrangement, you must first distinguish your application requirements for contact size and quantity.

Each insert arrangement has a unique number to identify its size and contact arrangement. The first number is the shell size. The second number is the contact arrangement. It does not, however, always equal the total number of contacts. ■

Insert Arrangement Selection

Insert Arrangement	Total Contacts	Hermetic Available	Service Rating	Contact Size								
				#22D	#22M	#22	#20	#16	#12	#12 Coax ¹	#8 Coax ²	#8 Twinax ³
9-3 [†]	3		M				3					
9-6	6		M		6							
9-7 [†]	7		M		7							
9-22 [†]	2		I				2					
9-35	6	✓	M	6								
9-44	4		M			4						
9-98	3	✓	I				3					
11-2	2		I					2				
11-4	4	✓	I				4					
11-5	5	✓	I				5					
11-6 [†]	6		I				6					
11-13	13		M		13							
11-35	13	✓	M	13								
11-98	6	✓	I				6					
11-99	7		I				7					
13-3 [†]	3		II					3				
13-4	4	✓	I					4				
13-8	8	✓	I				8					
13-22	22		M		22							
13-35	22	✓	M	22								
13-98	10		I				10					
15-4 [†]	4		I						4			
15-5	5	✓	II					5				
15-15	15	✓	I				14	1				
15-18	18	✓	I				18					
15-19	19		I				19					
15-35	37	✓	M	37								
15-37	37		M		37							
15-68 [†]	8		I					8				
15-97	12		I				8	4				
17-2	39		M	38								1
17-6	6	✓	I						6			
17-8	8		II					8				
17-13 [†]	13		I					13				
17-22 [†]	4		Coax							2	2	
17-25 [†]	24		M	22							2	
17-26	26	✓	I				26					
17-35	55	✓	M	55								
17-42 [†]	42		M			42						
17-55	55		M		55							
17-99	23	✓	I				21	2				

(Continued on next page)

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Insert Arrangement Selection (Continued from previous page)

Insert Arrangement	Total Contacts	Hermetic Available	Service Rating	Contact Size								
				#22D	#22M	#22	#20	#16	#12	#12 Coax ¹	#8 Coax ²	#8 Twinax ³
19-11	11	✓	II					11				
19-18	18		M	14								4
19-28 [‡]	28		I				26	2				
19-30 [‡]	30		I				29	1				
19-32	32	✓	I				32					
19-35	66	✓	M	66								
19-53 [‡]	53		M			53						
19-67 [‡]	67		M		67							
19-68 [‡]	18		I					18				
21-1	79		M		79							
21-2 [‡]	65		M			65						
21-11	11	✓	I						11			
21-16	16		II					16				
21-24	24	✓	I				24					
21-25 [‡]	25		I				25					
21-27 [‡]	27		I				27					
21-35	79	✓	M	79								
21-39	39		I				37	2				
21-41	41	✓	I				41					
21-75	4		N									4
21-79 [‡]	19		II	17							2	
23-1	100		M		100							
23-2	85		M			85						
23-6 [‡]	6		M									6
23-14 [‡]	14		I						14			
23-21	21		II					21				
23-32 [‡]	32		I				32					
23-34 [‡]	34		I				34					
23-35	100	✓	M	100								
23-53	53		I				53					
23-55	55		I				55					
23-97 [‡]	16		II					16				
23-99 [‡]	11		II					11				
25-1	128		M		128							
25-2	100		M			100						
25-4	56	✓	I				48	8				
25-7 [‡]	99		M	97								2
25-19	19		I						19			
25-24	24		I					12	12			
25-29	29		I					29				
25-35	128	✓	M	128								
25-37	37		I					37				
25-43	43		I				23	20				
25-46	46		I				40	4			2	
25-61	61		I				61					

¹ Includes the following #12 coax contacts: DLPX12-006 (pin) or DLSX12-007 (socket) contacts, see p. N-10 for more information.

² Includes the following #8 coax contacts: DLPX08-010 (pin) or DLSX08-011 (socket) contacts, see p. N-10 for more information.

³ Includes the following #8 twinax contacts: DLPW08-002 (pin) or DLSW08-003 (socket) contacts, see p. N-10 for more information.

[‡] Special order contact arrangement.

Insert Arrangement Drawings

DL Series • MIL-DTL-38999 Series I Style Connectors

Pattern
Service Rating
Number of Contacts



9-3
M
3 x #20



9-6
M
6 x #22M



9-7
M
7 x #22M



9-22
I
2 x #20



9-35
M
6 x #22D

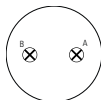


9-44
M
4 x #22

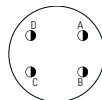


9-98
I
3 x #20

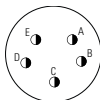
Pattern
Service Rating
Number of Contacts



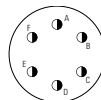
11-2
I
2 x #16



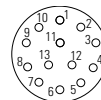
11-4
I
4 x #20



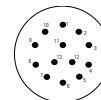
11-5
I
5 x #20



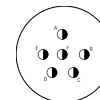
11-6
I
6 x #20



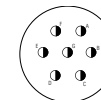
11-13
M
13 x #22M



11-35
M
13 x #22D

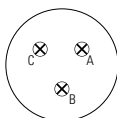


11-98
I
6 x #20

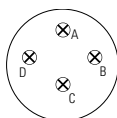


11-99
I
7 x #20

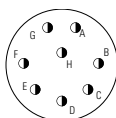
Pattern
Service Rating
Number of Contacts



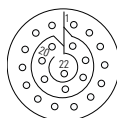
13-3
II
3 x #16



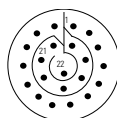
13-4
I
4 x #16



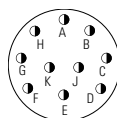
13-8
I
8 x #20



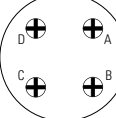
13-22
M
22 x #22M



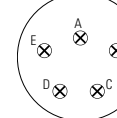
13-35
M
22 x #22D



13-98
I
10 x #20

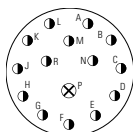


15-4
I
4 x #12

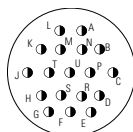


15-5
II
5 x #16

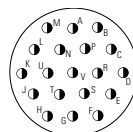
Pattern
Service Rating
Number of Contacts



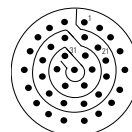
15-15
I
14 x #20
1 x #16



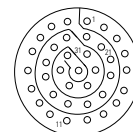
15-18
I
18 x #20



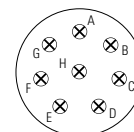
15-19
I
19 x #20



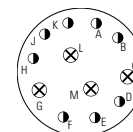
15-35
M
37 x #22D



15-37
M
37 x #22M

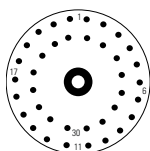


15-68
I
8 x #16

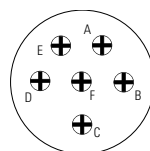


15-97
I
8 x #20
4 x #16

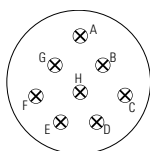
Pattern
Service Rating
Number of Contacts



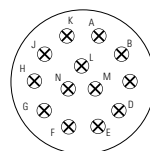
17-2
M
38 x #22D
1 x #8 Twinax



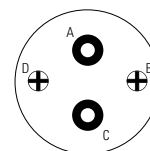
17-6
I
6 x #12



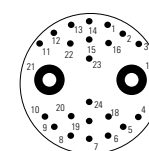
17-8
II
8 x #16



17-13
I
13 x #16



17-22
Coax
2 x #12 Coax
2 x #8 Twinax



17-25
M
22 x #22D
2 x #8 Coax

Contact Legend: 8 12 16 20 22 22M 22D

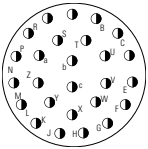
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Insert Arrangement Drawings

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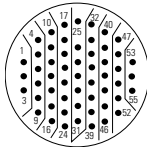
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17-26

I

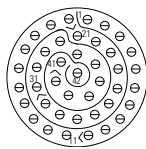
26 x #20



17-35

M

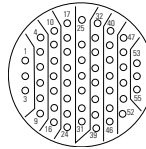
55 x #22D



17-42

M

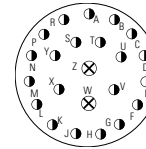
42 x #22



17-55

M

55 x #22M

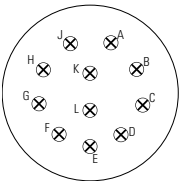


17-99

I

21 x #20
2 x #16

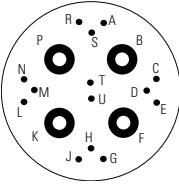
Pattern
Service Rating
Number of Contacts



19-11

II

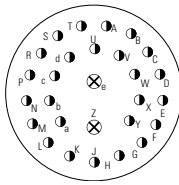
11 x #16



19-18

M

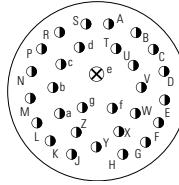
14 x #22D
4 x #8 Twinax



19-28

I

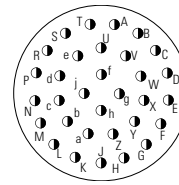
26 x #20
2 x #16



19-30

I

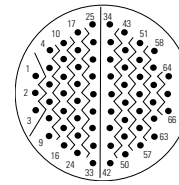
29 x #20
1 x #16



19-32

I

32 x #20

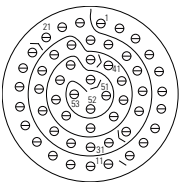


19-35

M

66 x #22D

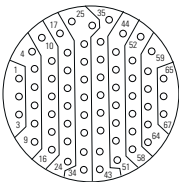
Pattern
Service Rating
Number of Contacts



19-53

M

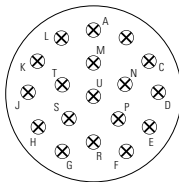
53 x #22



19-67

M

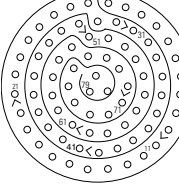
67 x #22M



19-68

M

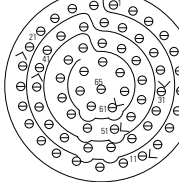
18 x #16



21-1

M

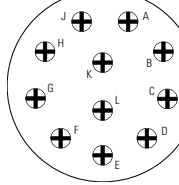
79 x #22M



21-2

M

65 x #22

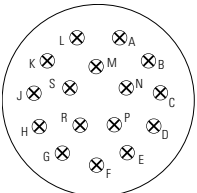


21-11

I

11 x #12

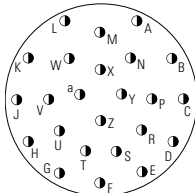
Pattern
Service Rating
Number of Contacts



21-16

II

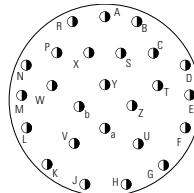
16 x #16



21-24

I

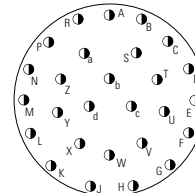
24 x #20



21-25

I

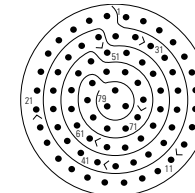
25 x #20



21-27

I

27 x #20



21-35

M

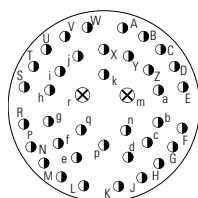
79 x #22D

Pattern
Service Rating
Number of Contacts

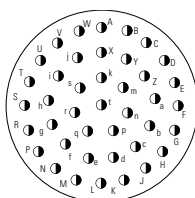
Insert Arrangement Drawings

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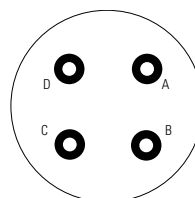
Pattern
Service Rating
Number of Contacts



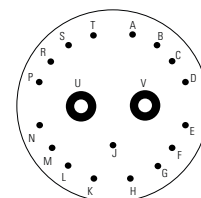
21-39
I
37 x #20
2 x #16



21-41
I
41 x #20

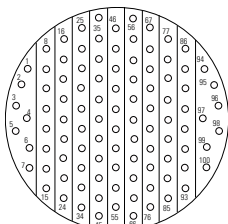


21-75
N
4 x #8 Twinax

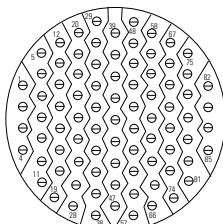


21-79
II
17 x #22D
2 x #8 Coax

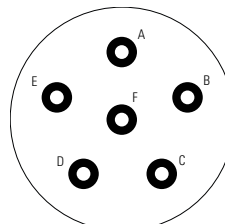
Pattern
Service Rating
Number of Contacts



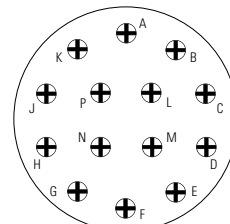
23-1
M
100 x #22M



23-2
M
85 x #22

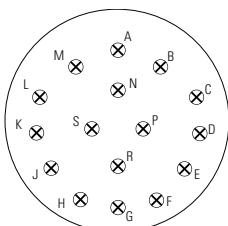


23-6
M
6 x #8 Twinax

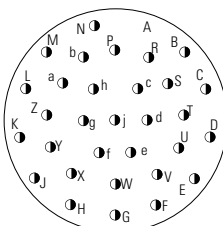


23-14
I
14 x #12

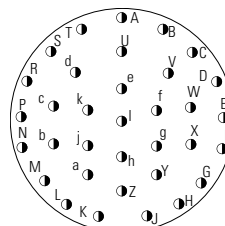
Pattern
Service Rating
Number of Contacts



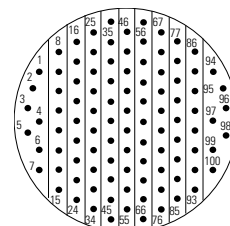
23-21
II
21 x #16



23-32
I
32 x #20

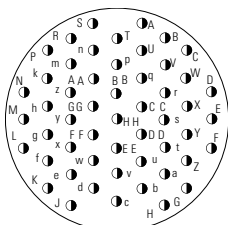


23-34
I
34 x #20

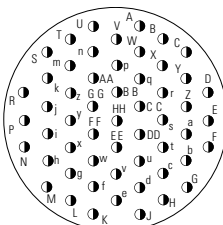


23-35
M
100 x #22D

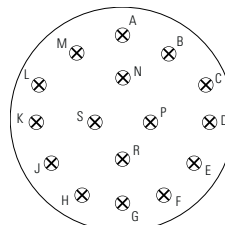
Pattern
Service Rating
Number of Contacts



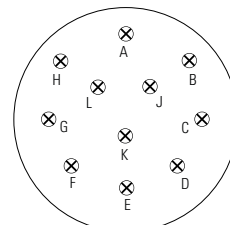
23-53
I
53 x #20



23-55
I
55 x #20



23-97
II
16 x #16



23-99
II
11 x #16

Contact Legend: 8 12 16 20 22 22M 22D

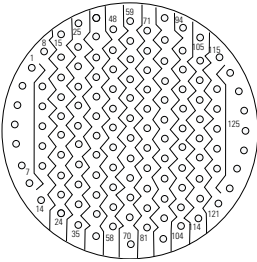
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Rev. 2219

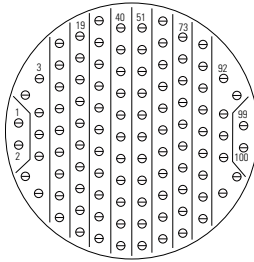
Insert Arrangement Drawings

DL Series • MIL-DTL-38999 Series I Style Connectors

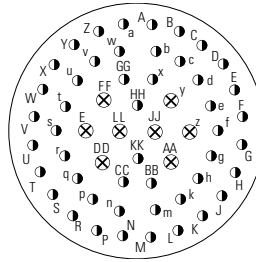
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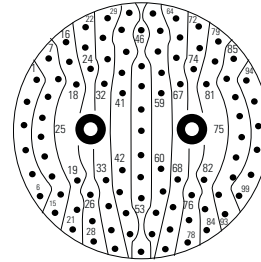
25-1
M
128 x #22M



25-2
M
100 x #22

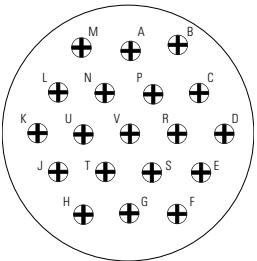


25-4
I
48 x #20
8 x #16

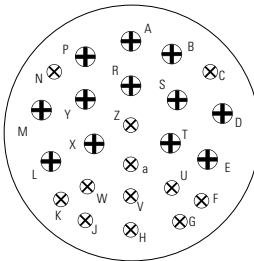


25-7
M
97 x #22D
2 x #8 Twinax

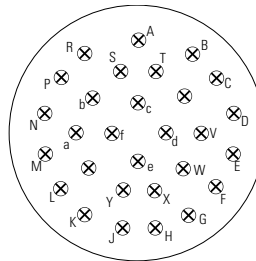
Pattern
Service Rating
Number of Contacts



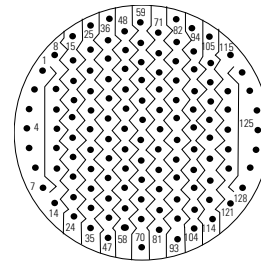
25-19
I
19 x #12



25-24
I
12 x #16
12 x #12

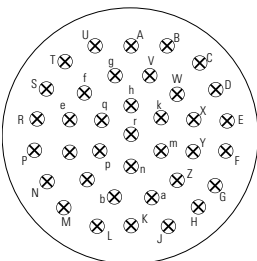


25-29
I
29 x #16

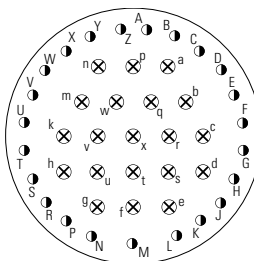


25-35
M
128 x #22D

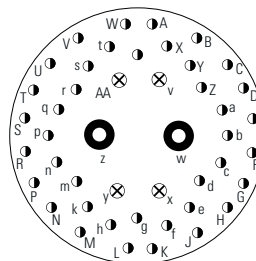
Pattern
Service Rating
Number of Contacts



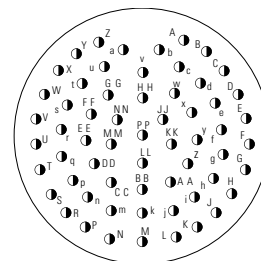
25-37
I
37 x #16



25-43
I
23 x #20
20 x #16



25-46
I
40 x #20
4 x #16
2 x #8 Coax



25-61
I
61 x #20

Pattern
Service Rating
Number of Contacts