



Contact arrangements

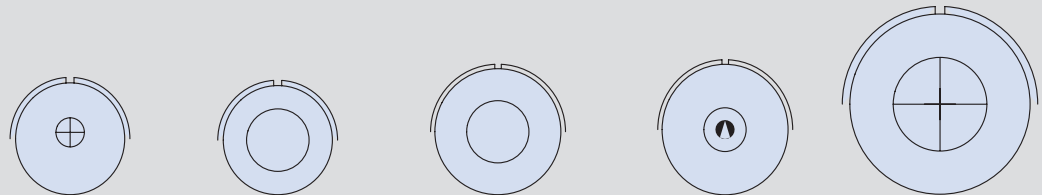
CONTACT ARRANGEMENTS BY SHELL SIZE

Shell Size	Contact Arrangement	Rating	Contact Number	Contact Size				
				0	4	8	12	16
10	10SL-3	A	3					3
	10SL-4	A	2					2
14S	14S-1	A	3					3
	14S-2	I	4					4
	14S-5	I	5					5
	14S-6	I	6					6
	14S-7	A	3					3
	14S-9	A	2					2
	14S-07	I	7					7
16	16-2	E	1				1	
	16-7	A	3		1			2
	16-9	A	4				2	2
	16-10	A	3				3	
	16-11	A	2				2	
	16-12	A	1		1			
18	18-1	I	10					10
	18-3	D	2				2	
	18-4	D	4					4
	18-5	D	3				2	1
	18-6	D	1		1			
	18-06	A	6				4	2
	18-7	B	1			1		
	18-8	A	8				1	7
	18-9	I	7				2	5
	18-10	A	4				4	
	18-11	A	5				5	
	18-12	A	6					6
	18-13	A	4			1	3	
	18-19	A	10					10
	18-20	A	5					5
18-22	D	3					3	
18-30 (18-20x110°)	A	5					5	
28	28-1	A	9			3	6	
	28-2	D	14				2	12
	28-3	E	3			3		
	28-6	D	3		3			
	28-09	A	9		4			5
	28-9	D	12				6	6
	28-10	A	7		2	2	3	
	28-11	A	22				4	18
	28-12	A	26					26
	28-13 (28-12x100°)	A	26					26
	28-15	A	35					35

Shell Size	Contact Arrangement	Rating	Contact Number	Contact Size				
				0	4	8	12	16
28	28-16	A	20					20
	28-17	A	15					15
	28-18	I	12					12
	28-19	A	10				4	6
	28-20	A	14				10	4
	28-21	A	37					37
	28-22	D	6		3			3
	28-51	D	12					12
	28-59	A	17				7	10
	28-70	A	7				7	
	28-84	A	9				9	
	28-124	A	16				4	12
	28-A29	A	29				2	27
	28-A35	A	35					35
	28-A63	I	28				9	19
	28-B1	B	1	1				
	28-B2	E	2				2	
	36	36-3	D	6	3			3
36-4		A	3	3				
36-5		A	4	4				
36-6		A	6	2	4			
36-7		A	47				7	40
36-8		A	47				1	46
36-9		A	31		1	2	14	14
36-10		A	48					48
36-14		D	16				5	5
36-15		A	35					35
36-18 (36-9x100°)		A	31		1	2	14	14
36-22		D	22					22
36-35		A	36				4	32
36-54=36-B39		A	39				8	31
36-66		A	56				4	52
36-74		A	44				1	43
36-77		D	7			7		
36-A7		A	7	3	2			2
36-A35	A	8	4				4	
36-A51	D	6	3	2			1	
36-B78	D	14				12	2	
36-D78	D	14				10	4	

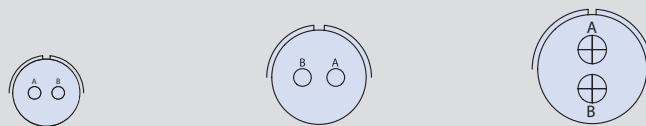
Contact arrangements by number of contacts

1 CONTACT



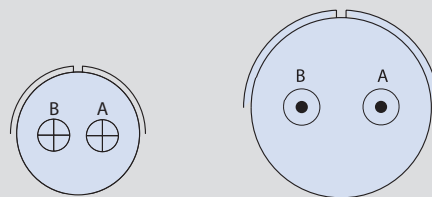
Arrangement	16-2	16-12	18-6	18-7	28B-1
Contact Size	12	4	4	8	0
Service Rating	E	A	D	B	B

2 CONTACTS



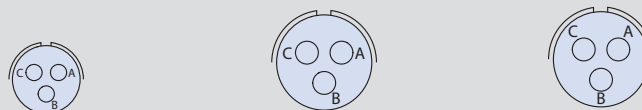
Arrangement	10SL-4	14S-9	16-11
Contact Size	16	16	12
Service Rating	A	A	A

2 CONTACTS



Arrangement	18-3	28-B2
Contact Size	12	8
Service Rating	D	E

3 CONTACTS



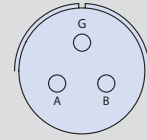
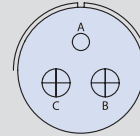
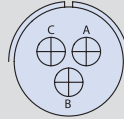
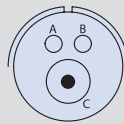
Arrangement	10SL-3	14S-1	14S-7
Contact Size	16	16	16
Service Rating	A	A	A

CONTACT LEGEND



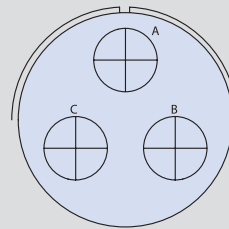
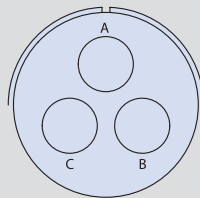
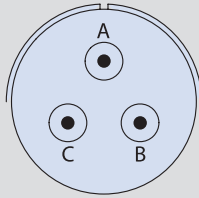
Contact arrangements by number of contacts

3 CONTACTS



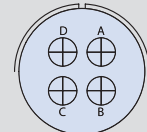
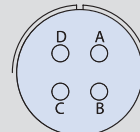
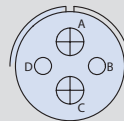
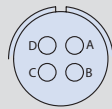
Arrangement	16-7	16-10	18-5	18-22
Contact Size	1/8, 2/16	12	2/12, 1/16	16
Service Rating	A	A	D	D

3 CONTACTS



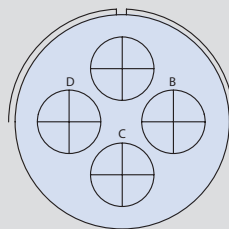
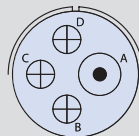
Arrangement	28-3	28-6	36-4
Contact Size	8	4	0
Service Rating	E	D	A=D; B,C=A

4 CONTACTS



Arrangement	14S-2	16-9	18-4	18-10
Contact Size	16	2/12, 2/16	16	12
Service Rating	I	A	D	A

4 CONTACTS



Arrangement	18-13	36-5
Contact Size	1/8, 3/12	0
Service Rating	A	A

CONTACT LEGEND



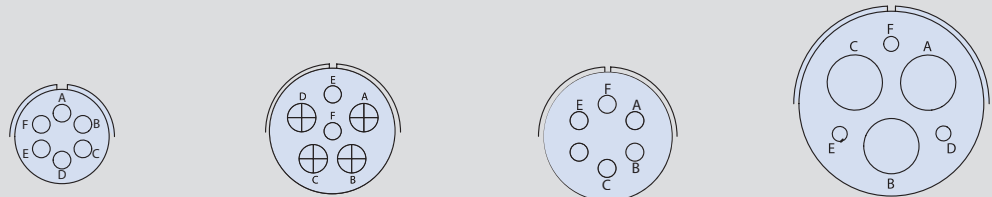
Contact arrangements by number of contacts

5 CONTACTS



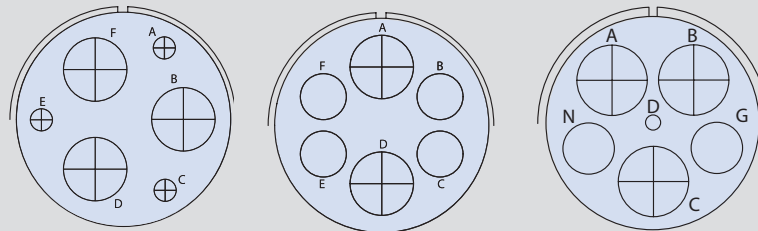
Arrangement	14S-5	18-11	18-20	18-30 (18-20 x 110°)
Contact Size	16	12	16	16
Service Rating	I	A	A	A

6 CONTACTS



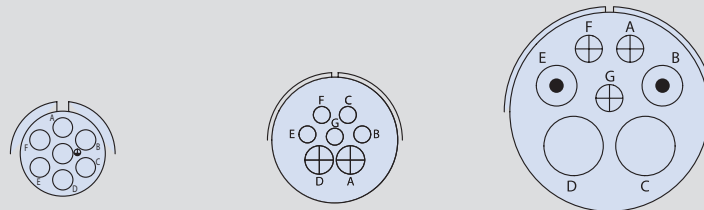
Arrangement	14S-6	18-06	18-12	28-22
Contact Size	16	4/12, 2/16	16	3/4, 3/16
Service Rating	I	A	A	D

6 CONTACTS



Arrangement	36-3	36-6	36A-51
Contact Size	3/0, 3/12	2/0, 4/4	3/0, 2/4, 1/16
Service Rating	D	A	D

7 CONTACTS

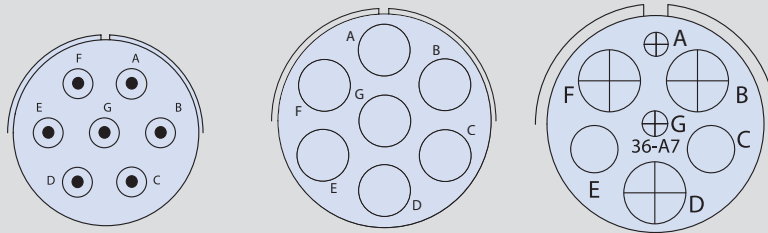


Arrangement	14S-07	18-9	28-10
Contact Size	16	2/12, 5/16	2/4, 2/8, 3/12
Service Rating	I	I	G=D; Bal=A

CONTACT LEGEND	16	12	8	4	0
-----------------------	----	----	---	---	---

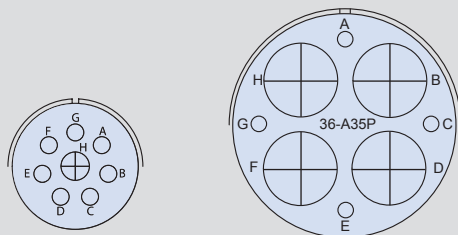
Contact arrangements by number of contacts

7 CONTACTS



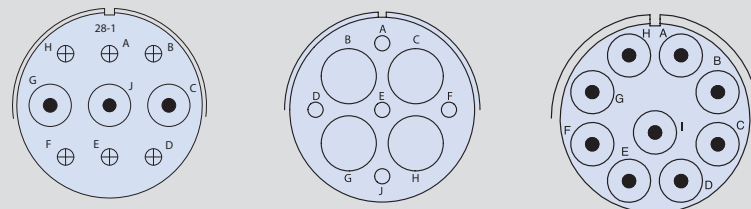
Arrangement	28-70	36-77	36-A7
Contact Size	8	4	3/0, 2/4, 2/12
Service Rating	A	D	A

8 CONTACTS



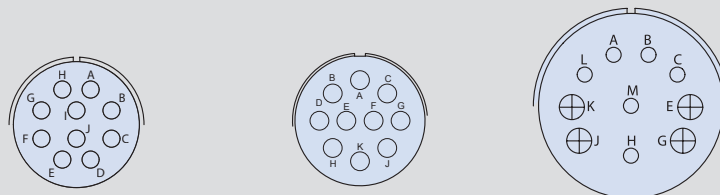
Arrangement	18-8	36-A35
Contact Size	1/12, 7/16	4/16, 4/0
Service Rating	A	A

9 CONTACTS



Arrangement	28-1	28-09	28-84
Contact Size	3/8, 6/12	4/4, 5/16	8
Service Rating	A, J, E=D; Bal=A	A	A

10 CONTACTS



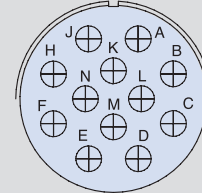
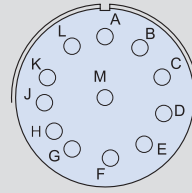
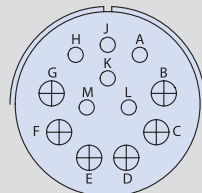
Arrangement	18-1	18-19	28-19
Contact Size	16	16	4/12, 6/16
Service Rating	B,C,F,G = A; Bal=I	A	A, B=D; K, M=B; Bal=A

CONTACT LEGEND



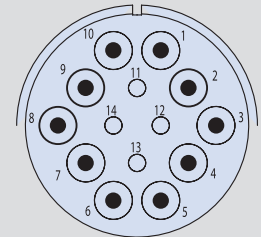
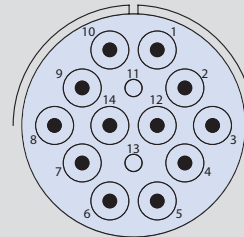
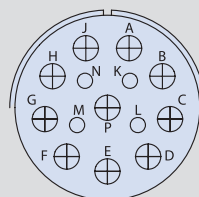
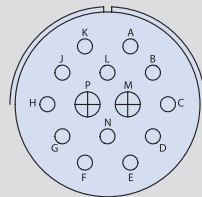
Contact arrangements by number of contacts

12 CONTACTS



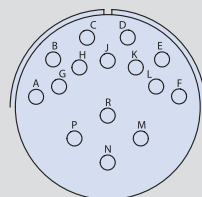
Arrangement	28-9	28-18	28-51
Contact Size	6/12, 6/16	16	12
Service Rating	D	A, B=A; G, H, J, K, L=D; M=C; Bal=I	D

14 CONTACTS



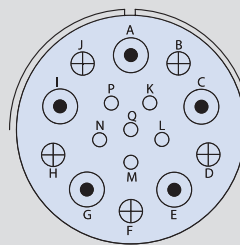
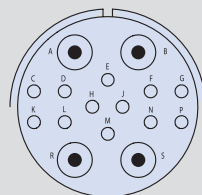
Arrangement	28-2	28-20	36-B78	36-D78
Contact Size	2/12, 12/16	10/12, 4/16	12/8, 2/16	10/8, 4/16
Service Rating	D	A	D	D

15 CONTACTS



Arrangement	28-17
Contact Size	16
Service Rating	M, N, P=D; R=B; Bal=A

16 CONTACTS

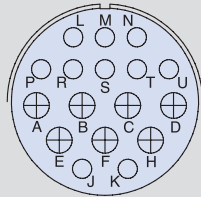


Arrangement	28-124	36-14
Contact Size	12/6, 4/8	5/8, 5/12, 6/16
Service Rating	A	D

CONTACT LEGEND	16	12	8	4	0
-----------------------	----	----	---	---	---

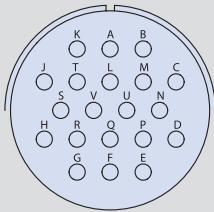
Contact arrangements by number of contacts

17 CONTACTS



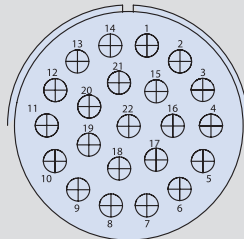
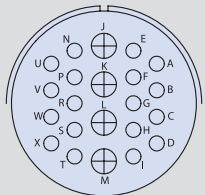
Arrangement	28-59
Contact Size	7/12, 10/16
Service Rating	A

20 CONTACTS



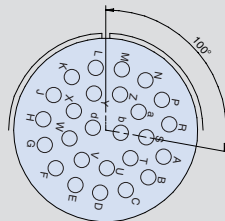
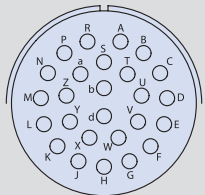
Arrangement	28-16
Contact Size	16
Service Rating	A

22 CONTACTS



Arrangement	28-11	36-22
Contact Size	4/12, 18/16	12
Service Rating	A	D

26 CONTACTS



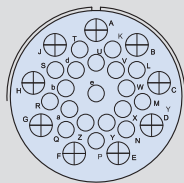
Arrangement	28-12	28-13 (28-12 x 100°)
Contact Size	16	16
Service Rating	A	A

CONTACT LEGEND



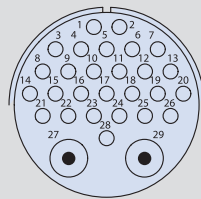
Contact arrangements by number of contacts

28 CONTACTS



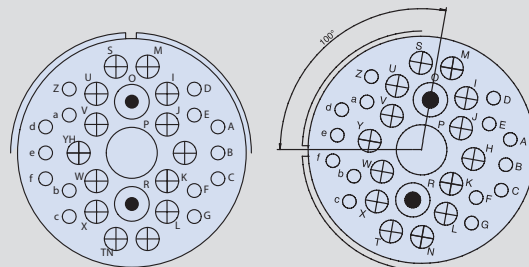
Arrangement	28-A63
Contact Size	9/12, 19/16
Service Rating	I

29 CONTACTS



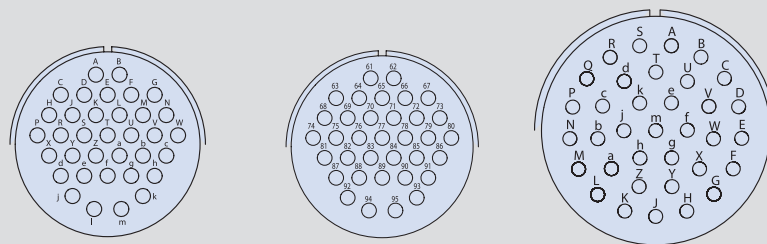
Arrangement	28-A29
Contact Size	2/8, 27/16
Service Rating	A

31 CONTACTS



Arrangement	36-9	36-18 (36-9 x 100°)
Contact Size	1/4, 2/8, 14/12, 14/16	1/4, 2/8, 14/12, 14/16
Service Rating	A	A

35 CONTACTS

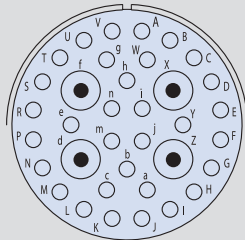


Arrangement	28-15	28-A35	36-15
Contact Size	16	16	16
Service Rating	A	A	M=D; Bal=A

CONTACT LEGEND					
----------------	--	--	--	--	--

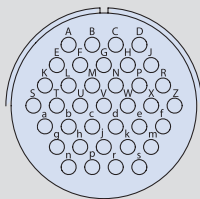
Contact arrangements by number of contacts

36 CONTACTS



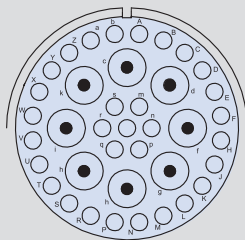
Arrangement	36-35
Contact Size	4/8, 32/16
Service Rating	A

37 CONTACTS



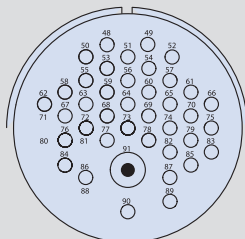
Arrangement	28-21
Contact Size	16
Service Rating	A

39 CONTACTS



Arrangement	36-54 = 36-B39
Contact Size	8/8, 31/16
Service Rating	A

44 CONTACTS



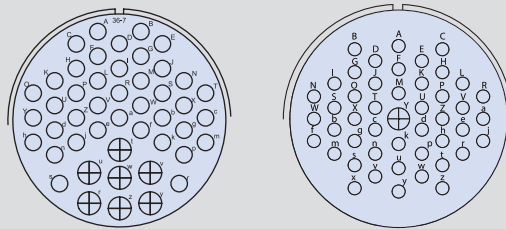
Arrangement	36-74
Contact Size	1/8, 43/16
Service Rating	A

CONTACT LEGEND



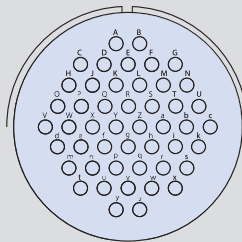
Contact arrangements by number of contacts

47 CONTACTS



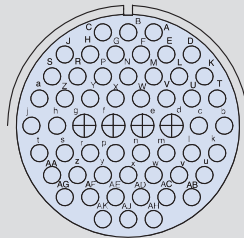
Arrangement	36-7	36-8
Contact Size	7/12, 40/16	1/12, 46/16
Service Rating	A	A

48 CONTACTS



Arrangement	36-10
Contact Size	16
Service Rating	A

56 CONTACTS



Arrangement	36-66
Contact Size	4/12, 52/16
Service Rating	A

CONTACT LEGEND

Contact arrangements by number of contacts

INSERT ROTATION ALTERNATE POSITIONS

Arrangement	$\alpha \pm 2^\circ$			
	W	X	Y	Z
10SL-3				
10SL-4				
14S-1	90	180	270	
14S-2		120	240	
14S-5		110		
14S-6	90			
14S-7	90	180	270	
14S-9	70	145	215	290
14S-07				
16-2				
16-7	80	110	250	280
16-9	35	110	250	325
16-10	90	180	270	
16-11	35	110	250	325
16-12				
18-1	70	145	215	290
18-3	35	110	250	325
18-4	35	110	250	325
18-5	80	110	250	280
18-6				
18-06	180			
18-7				
18-8	70			290
18-9	80	110	250	280
18-10		120	240	
18-11		170	265	
18-12	80			280
18-13	80	110	250	280
18-19		120	240	
18-20	90	180	270	
18-22	70	145	215	290
18-30				

Arrangement	$\alpha \pm 2^\circ$			
	W	X	Y	Z
28-1	80	110	250	280
28-2	35	110	250	325
28-3	70	145	215	290
28-6	70	145	215	290
28-09	110	250	260	280
28-9	80	110	250	280
28-10	80	110	250	280
28-11	80	110	250	280
28-12	90	180	270	
28-13				
28-15	80	110	250	280
28-16	80	110	250	280
28-17	80	110	250	280
28-18	70	145	215	290
28-19	80	110	250	280
28-20	80	110	250	280
28-21	80	110	250	280
28-22	70	145	215	290
28-51	80	135	190	
28-59	35	110	250	325
28-70	80			280
28-84	45	157	90	135
28-124	80	110	250	280
28A-29	80	110	250	280
28A-35	80	110	250	280
28A-63		100	260	
28-B1				
28-B2				

Arrangement	$\alpha \pm 2^\circ$			
	W	X	Y	Z
36-3	70	145	215	290
36-4	70	145	215	290
36-5		120	240	
36-6	35	110	250	325
36-7	80	110	250	280
36-8	80	110	250	280
36-9	80	125	235	280
36-10	80	125	235	280
36-14	90	180	270	
36-15	60	125	245	305
36-18				
36-22	80	110	250	280
36-35				
36-54 = 36-B39	67			
36-66	110	250	260	280
36-74				
36-77	45	90		
36-A7				
36-A35				
36-A51	45	135	225	315
36B-78	35	106	254	325
36D-78	35	106	254	325

Insert Rotation (front view)

