

MS/Standard contact arrangements

front face of pin insert or rear face of socket insert illustrated

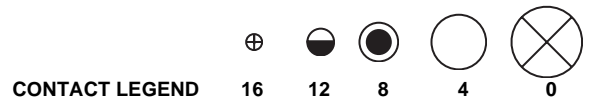
Insert Arrangement	8S-1	10S-2	10SL-3	10SL-4	12S-1	12S-2	12S-3
Service Rating	A	A	A***	A	A	A	A
Number of Contacts	1	1	3	2	2	2	2
Contact Size	16	16	16	16	16	16	16

Insert Arrangement	12S-4	12-5	14S-1**	14S-2	14-3	14S-5	14S-6
Service Rating	D	D	A	Inst.	A	Inst.	Inst.
Number of Contacts	1	1	3	4	1	5	6
Contact Size	16	12	16	16	8	16	16

Insert Arrangement	14S-7	14S-9**	14S-10	14S-11	14S-12	14S-13
Service Rating	A	A	Inst.	Inst.	A	A
Number of Contacts	3	2	4	4	3	3
Contact Size	16	16	16	16	16	16

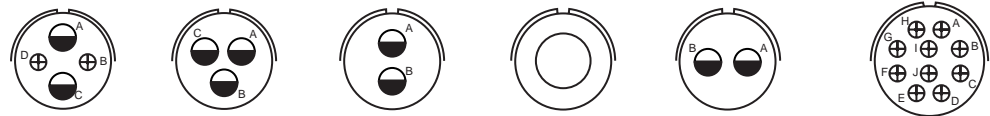
Insert Arrangement	16S-1	16-2*	16S-3*	16S-4*	16-7*	16S-8
Service Rating	A	E	B	D	A	A
Number of Contacts	7	1	1	2	1 2	5
Contact Size	16	12	16	16	8 16	16

* Consult Amphenol, Sidney, NY for availability.
 ** Inactive for new design
 *** Service rating Inst. Class K

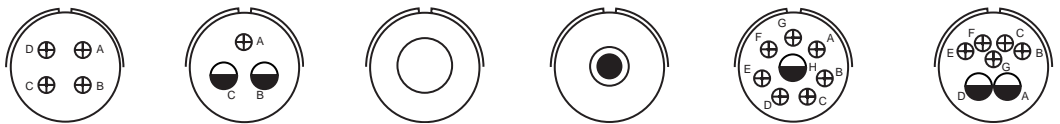


MS/Standard contact arrangements

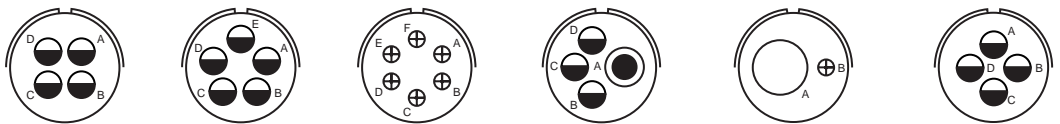
front face of pin insert or rear face of socket insert illustrated



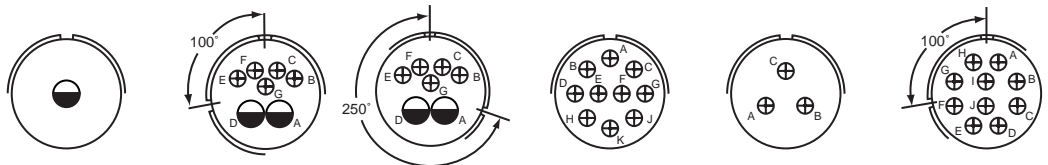
Insert Arrangement	16-9	16-10	16-11	16-12	16-13	18-1
Service Rating	A	A	A	A	A	B, C, F, G = A; Bal. = Inst.
Number of Contacts	2 2	3	2	1	2††	10
Contact Size	12 16	12	12	4	12	16



Insert Arrangement	18-4	18-5	18-6*	18-7*	18-8	18-9
Service Rating	D	D	D	B	A	Inst.
Number of Contacts	4	2 1	1	1	1 7	2 5
Contact Size	16	12 16	4	8	12 16	12 16

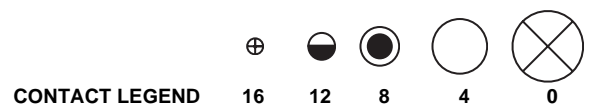


Insert Arrangement	18-10**	18-11	18-12*	18-13	18-14*	18-15*
Service Rating	A	A	A	A	A	A
Number of Contacts	4	5	6	1 3	1 1	4††
Contact Size	12	12	16	8 12	4 16	12



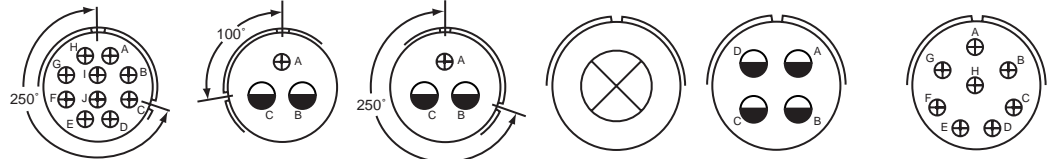
Insert Arrangement	18-16*	18-17	18-18	18-19**	18-22**	18-23
Service Rating	C	Inst.	Inst.	A	D	B, C, F, G = A; Bal. = Inst.
Number of Contacts	1	2 5	2 5	10	3	10
Contact Size	12	12 16	12 16	16	16	16

* Consult Amphenol, Sidney, NY for availability.
 ** Inactive for new design
 † one alumel contact and one chromel contact
 †† A, C = Iron; B, D = Constantan

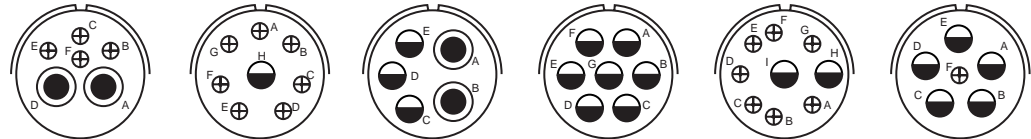


MS/Standard contact arrangements

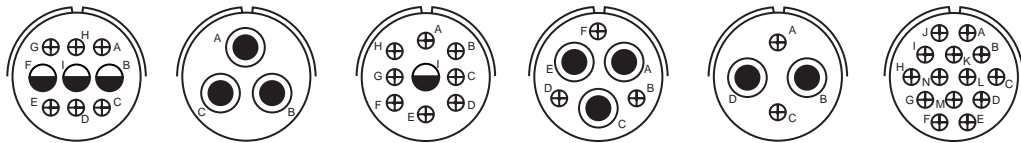
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	18-24	18-27	18-28	20-2	20-4	20-7
Service Rating	B, C, F, G = A; Bal. = Inst.	D	D	D	D	A, B, G, H = D; C, D, E, F = A
Number of Contacts	10	2 1	2 1	1	4	8
Contact Size	16	12 16	12 16	0	12	16

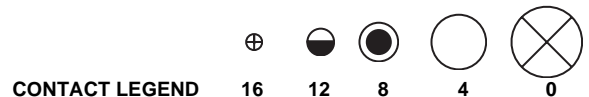


Insert Arrangement	20-8*	20-9*	20-14	20-15	20-16	20-17
Service Rating	Inst.	H = D; Bal. = A	A	A	A	A
Number of Contacts	2 4	1 7	2 3	7	2 7	5 1
Contact Size	8 16	12 16	8 12	12	12 16	12 16



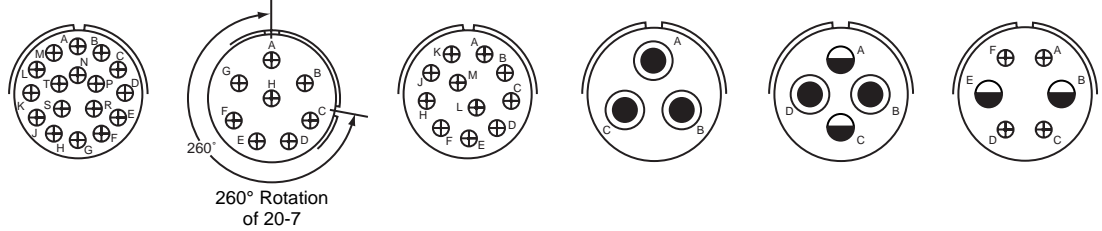
Insert Arrangement	20-18	20-19	20-21	20-22	20-24	20-27
Service Rating	A	A	A	A	A	A
Number of Contacts	3 6	3	1 8	3 3	2 2	14
Contact Size	12 16	8	12 16	8 16	8 16	16

* Consult Amphenol, Sidney, NY for availability.

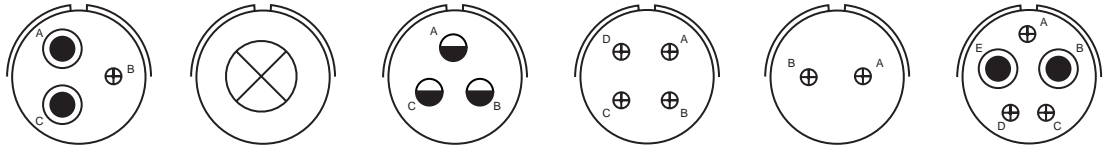


MS/Standard contact arrangements

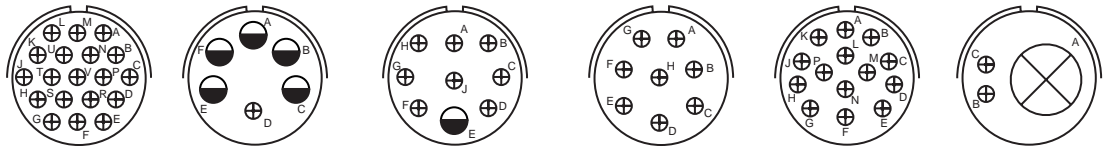
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	20-29	20-32	20-33	22-2	22-4**	22-5
Service Rating	A	A, B, G, H = D; Bal. = A	A	D	A	D
Number of Contacts	17	8	11	3	2 2	2 4
Contact Size	16	16	16	8	8 12	12 16

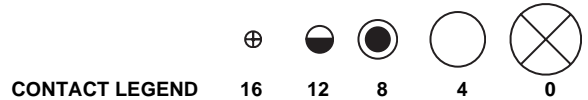


Insert Arrangement	22-6**	22-7*	22-9*	22-10*	22-11*	22-12*
Service Rating	D	E	E	E	B	D
Number of Contacts	2 1	1	3	4	2	2 3
Contact Size	8 16	0	12	16	16	8 16



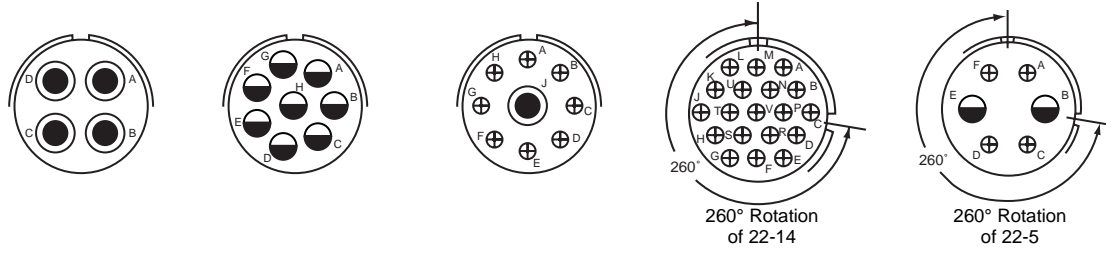
Insert Arrangement	22-14	22-15*	22-17*	22-18*	22-19	22-21
Service Rating	A	D = 3; Bal. = A	A = D; Bal. = A	C, D, E = A; Bal. = D	A	A
Number of Contacts	19	5 1	1 8	8	14	1 2
Contact Size	16	12 16	12 16	16	16	0 16

* Consult Amphenol, Sidney, NY for availability.
** Inactive for new design

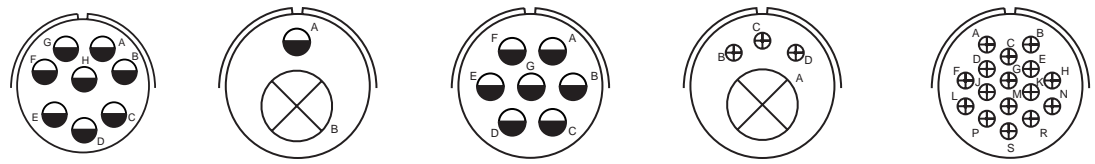


MS/Standard contact arrangements

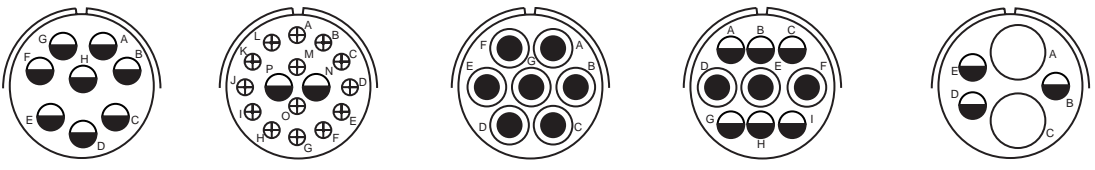
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	22-22	22-23	22-27*	22-30	22-32
Service Rating	A	H = D; Bal. = A	J = D; Bal. = A	A	D
Number of Contacts	4	8	1 8	19	2 4
Contact Size	8	12	8 16	16	12 16

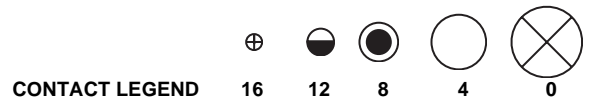


Insert Arrangement	22-36*	24-1**	24-2	24-4*	24-5**
Service Rating	H = D; Bal. = A	D	D	D	A
Number of Contacts	8	1 1	7	1 3	16
Contact Size	12	0 12	12	0 16	16



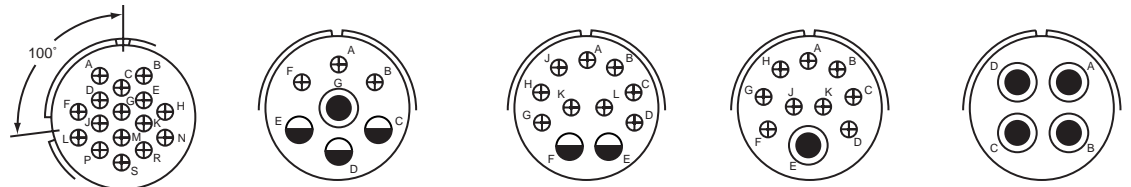
Insert Arrangement	24-6*	24-7	24-10	24-11	24-12
Service Rating	A, G, H = D; Bal. = A	A	A	A	A
Number of Contacts	8	2 14	7	3 6	2 3
Contact Size	12	12 16	8	8 12	4 12

* Consult Amphenol, Sidney, NY for availability.
 ** Inactive for new design



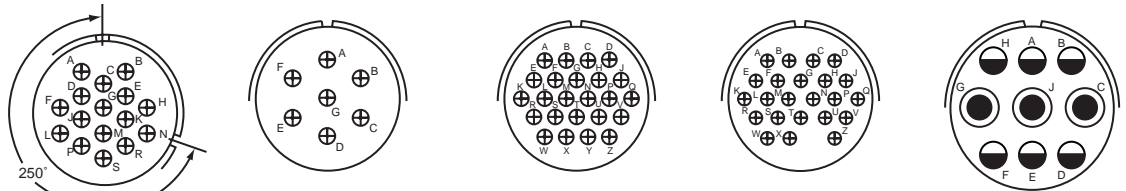
MS/Standard contact arrangements

front face of pin insert or rear face of socket insert illustrated



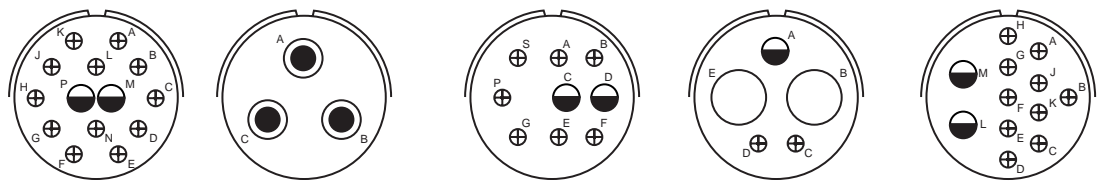
100° Rotation
of 24-5

Insert Arrangement	24-15	24-16*	24-20	24-21*	24-22
Service Rating	A	A, B, F, G = D; C, D, E = A	D	D	D
Number of Contacts	16	1 3 3	2 9	1 9	4
Contact Size	16	8 12 16	12 16	8 16	8



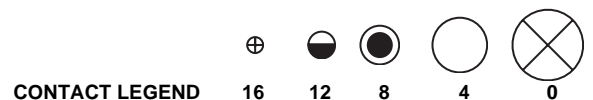
250° Rotation
of 24-5

Insert Arrangement	24-24	24-27*	24-28	24-80*	28-1
Service Rating	A	E	Inst.	Inst.	A, J, E = D; Bal. = A
Number of Contacts	16	7	24	23	3 6
Contact Size	16	16	16	16	8 12



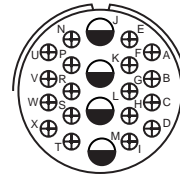
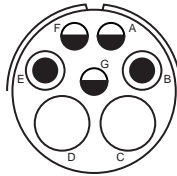
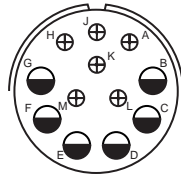
Insert Arrangement	28-2	28-3*	28-4*	28-5*	28-8*
Service Rating	D	E	G, P, S = E; Bal. = D	D	L, M = E; B = D; Bal. = A
Number of Contacts	2 12	3	2 7	2 1 2	2 10
Contact Size	12 16	8	12 16	4 12 16	12 16

* Consult Amphenol, Sidney, NY for availability.

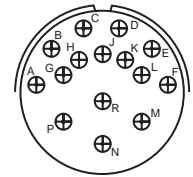
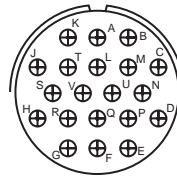
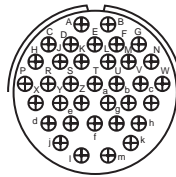
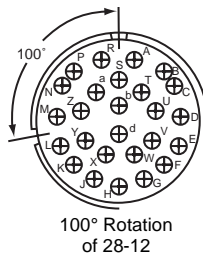


MS/Standard contact arrangements

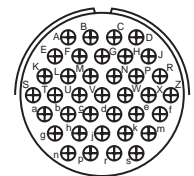
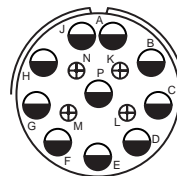
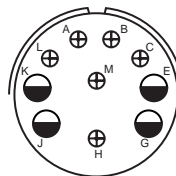
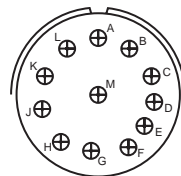
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	28-9	28-10	28-11	28-12
Service Rating	D	G = D, Bal. = A	A	A
Number of Contacts	6 6	2 2 3	4 18	26
Contact Size	12 16	4 8 12	12 16	16

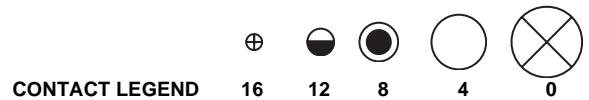


Insert Arrangement	28-13	28-15	28-16**	28-17
Service Rating	A	A	A	R = B; M, N, P = D; Bal. = A
Number of Contacts	26	35	20	15
Contact Size	16	16	16	16



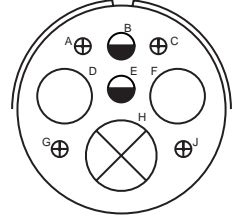
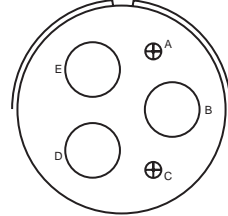
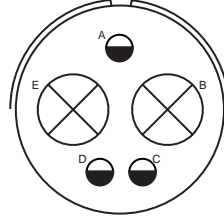
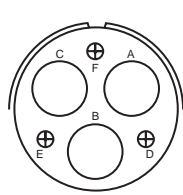
Insert Arrangement	28-18*	28-19*	28-20	28-21
Service Rating	M = C; G, H, J, K, L = D; A, B = A; Bal. = Inst.	H, M = B; A, B = D; Bal. = A	A	A
Number of Contacts	12	4 6	10 4	37
Contact Size	16	12 16	12 16	16

* Consult Amphenol, Sidney, NY for availability.
** Inactive for new design

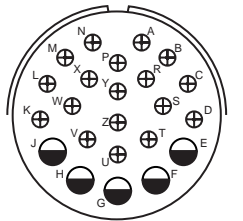
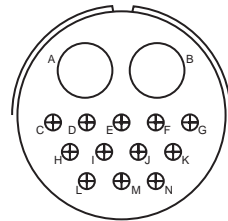
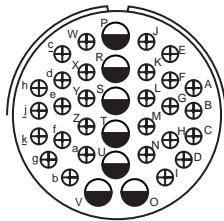
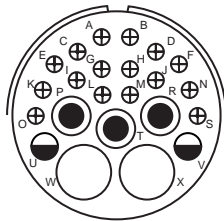


MS/Standard contact arrangements

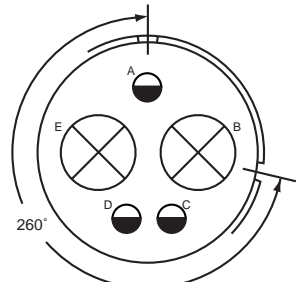
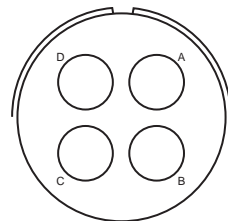
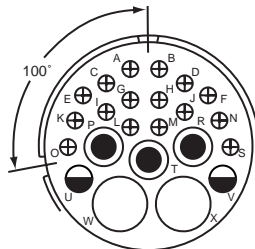
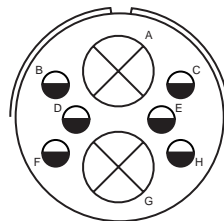
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	28-22	32-1	32-2*	32-3*
Service Rating	D	A = E; B, C, D, E = D	E	D
Number of Contacts	3 3	2 3	3 2	1 2 2 4
Contact Size	4 16	0 12	4 16	0 4 12 16

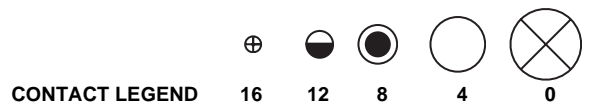


Insert Arrangement	32-6	32-7	32-9	32-13
Service Rating	A	A, B, h, j = Inst.; Bal. = A	D	D
Number of Contacts	2 3 2 16	7 28	2 12	5 18
Contact Size	4 8 12 16	12 16	4 16	12 16



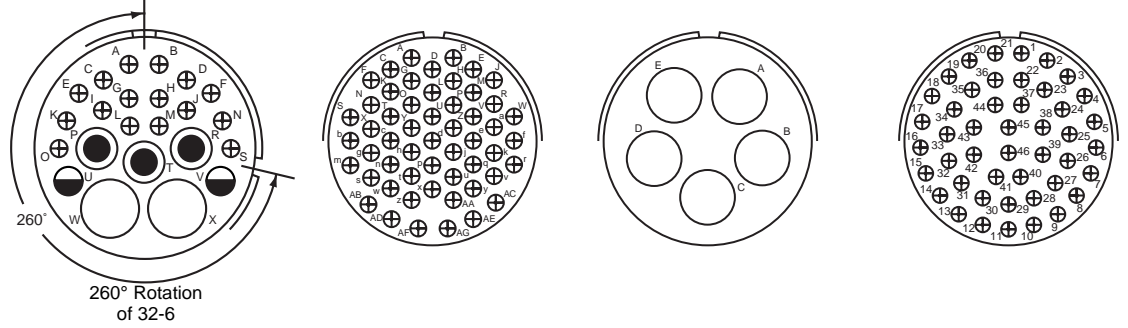
Insert Arrangement	32-15	32-16	32-17	32-19*
Service Rating	D	A	D	A = E, Bal. = D
Number of Contacts	2 6	2 3 2 16	4	2 3
Contact Size	0 12	4 8 12 16	4	0 12

* Consult Amphenol, Sidney, NY for availability.

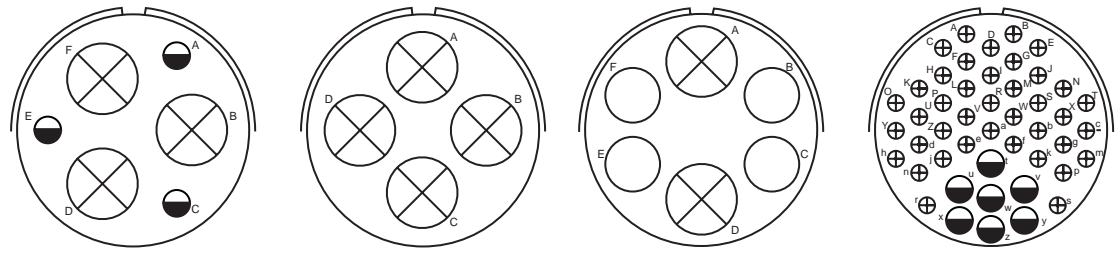


MS/Standard contact arrangements

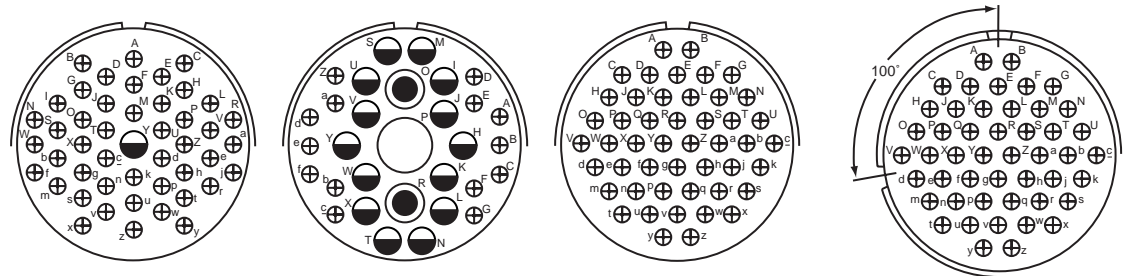
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	32-20	32-22*	32-63	32-73
Service Rating	A	A	D	A
Number of Contacts	2 3 2 16	54	5	46
Contact Size	4 8 12 16	16	4	16

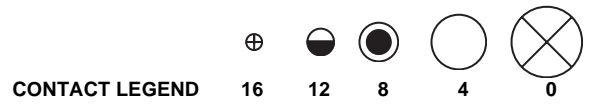


Insert Arrangement	36-3	36-5	36-6	36-7
Service Rating	D	A	A	A
Number of Contacts	3 3	4	2 4	7 40
Contact Size	0 12	0	0 4	12 16



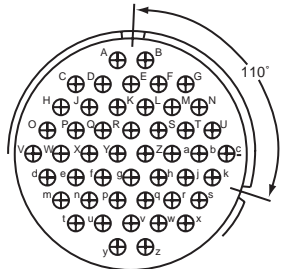
Insert Arrangement	36-8	36-9	36-10	36-11
Service Rating	A	A	A	A
Number of Contacts	1 46	1 2 14 14	48	48
Contact Size	12 16	4 8 12 16	16	16

* Consult Amphenol, Sidney, NY for availability.

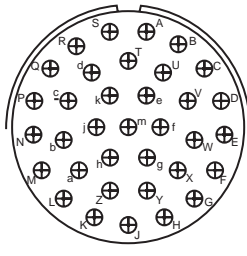


MS/Standard contact arrangements

front face of pin insert or rear face of socket insert illustrated

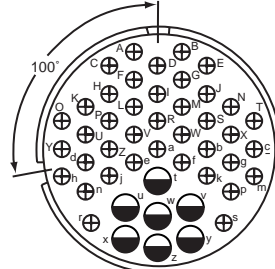


110° Rotation of 36-10



36-15

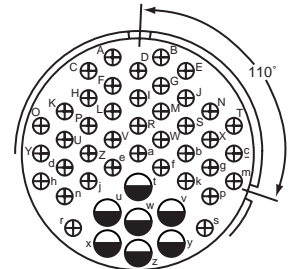
M = D, Bal. = A



100° Rotation of 36-7

36-16

A
7 40
12 16



110° Rotation of 36-7

36-17

A
7 40
12 16

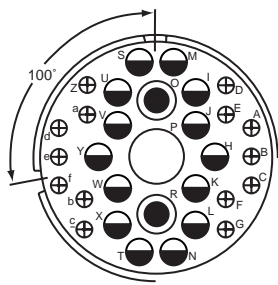
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

36-12
A
48
16

36-15
M = D, Bal. = A
35
16

36-16
A
7 40
12 16

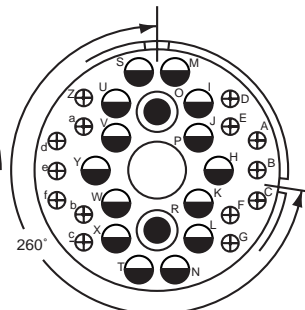
36-17
A
7 40
12 16



100° Rotation of 36-9

36-18

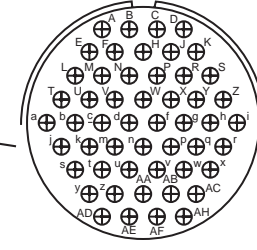
A
1 2 14 14
4 8 12 16



260° Rotation of 36-9

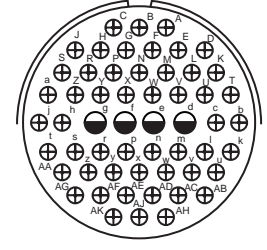
36-21

A
1 2 14 14
4 8 12 16



36-52

A
52
16



36-66*

A
4 52
12 16

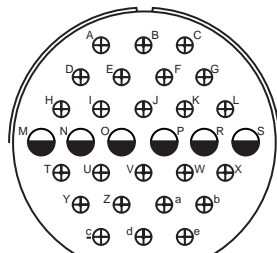
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

36-18
A
1 2 14 14
4 8 12 16

36-21
A
1 2 14 14
4 8 12 16

36-52
A
52
16

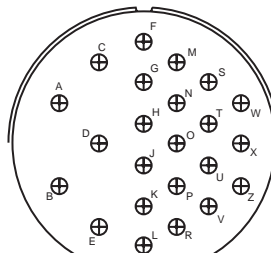
36-66*
A
4 52
12 16



40-1

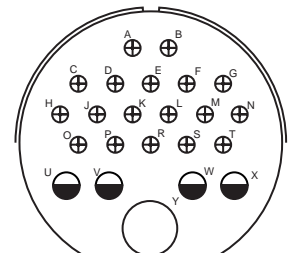
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

D
6 24
12 16



40-2*

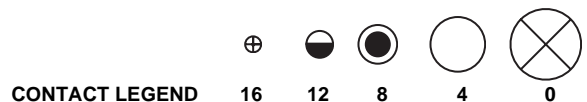
D
23
16



40-3*

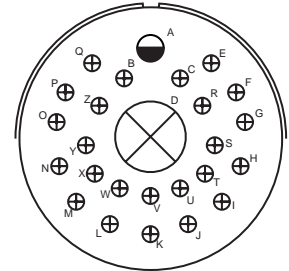
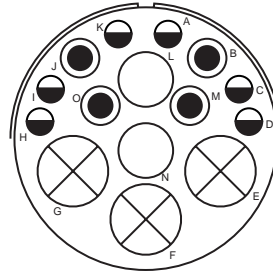
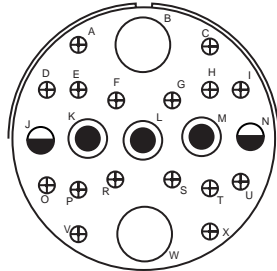
D
1 4 18
4 12 16

* Consult Amphenol, Sidney, NY for availability.



MS/Standard contact arrangements

front face of pin insert or rear face of socket insert illustrated

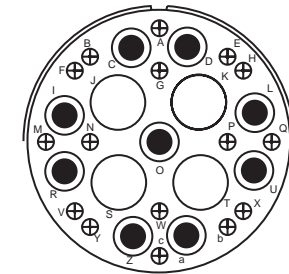
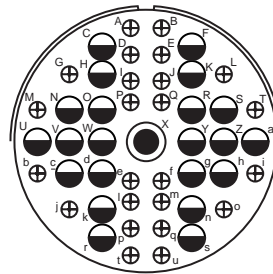
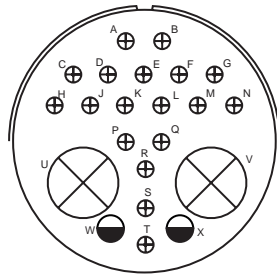


Insert Arrangement
Service Rating
Number of Contacts
Contact Size

40-4*
D
2 3 2 16
4 8 12 16

40-5*
A
3 2 4 6
0 4 8 12

40-6*
D
1 1 24
0 12 16

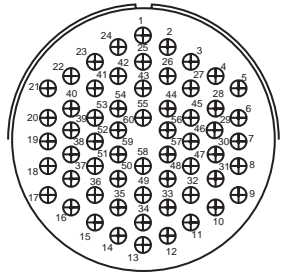
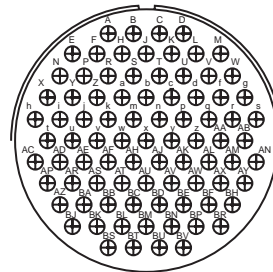
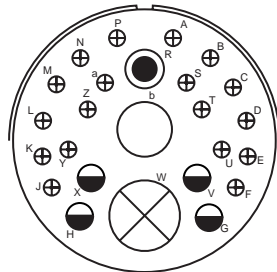


Insert Arrangement
Service Rating
Number of Contacts
Contact Size

40-7*
P, Q, U, V, W, X = A; Bal. = D
2 2 18
0 12 16

40-9
A
1 22 24
8 12 16

40-10*
A
4 9 16
4 8 16



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

40-11*
D
1 1 1 4 18
0 4 8 12 16

40-56*
A
85
16

40-62*
A
60
16

* Consult Amphenol, Sidney, NY for availability.

