

**HOW TO ORDER**

<u>FR</u>	<u>CM1</u>	<u>31</u>	<u>06</u>	<u>A</u>	<u>20-27</u>	<u>P</u>	<u>X</u>	<u>(...)</u>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>

- 1* Omitted : Standard  
FR : Fire Resistant rubber
- 2* CM1 : Bayonet coupling  
\*CM4 : Bayonet coupling without stainless steel wear pins
- 3* 31 : Solder contacts  
41 : Crimp contacts
- 4* Style : 00 - 01 - 02 - 03 - 030 - 05 - 06 - 07 - 070 - 078 - 08 - 26
- 5* Class : A - F - G - GR - RS - SP - Y
- 6* Contact arrangement
- 7* P : Pin contacts  
S : Socket contacts  
P/S : Contacts for 02PP connectors
- 8* W - X - Y - Z : Alternate positions of the inserts
- 9* Modifications (see the next page)

\* Only for receptacles

### Technical characteristics

#### Metal parts

Aluminium alloy with Cadmium free surface coatings with an olive drab passivation .

#### Contacts

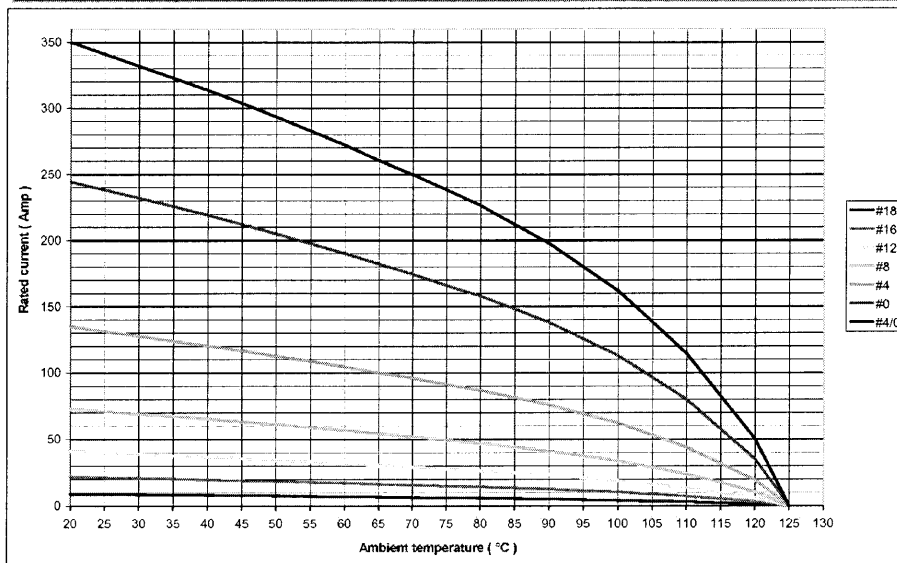
The following contact types are available : copper alloy with silver plating (Std) or gold plating (available on request).

#### Insulating parts

High insulation synthetic rubber resistant to oils and high range of temperatures (-55°C to +125°C) in accordance with MIL-R-3065. Are also available in fire resistant and halogen free materials.

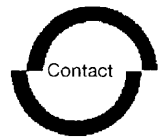
### Contacts

Contact size	Rated current at 20°C	Max. Contact resist.	Wire size
18	7.5 A	12.0 mΩ	20+26 AWG
16	22 A	6.0 mΩ	16+22 AWG
12	41 A	3.0 mΩ	12-14 AWG
8	73 A	1.0 mΩ	8-10 AWG
4	135 A	0.5 mΩ	4-6 AWG
0	245 A	0.3 mΩ	0+2 AWG
4/0	350 A	0.2 mΩ	4/0 AWG



### Service rating (Min insulating resistance : $\geq 5 \times 10^3 \text{ M}\Omega$ )

Class	Operating voltage Vdc	Operating voltage VacRMS	Test voltage Vac RMS
INST.	250 V	200 V	1000 V
A	700 V	500 V	2000 V
D	1250 V	900 V	2800 V
E	1750 V	1250 V	3500 V
B	2450 V	1750 V	4500 V
C	4200 V	3000 V	7000 V



Contact arrangement

Front view of male insert

1 CONTACT

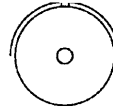
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



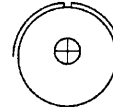
12-5  
12  
A



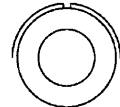
14S-4  
16  
D



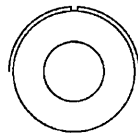
16S-3  
16  
B



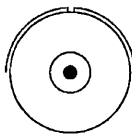
16-2  
12  
E



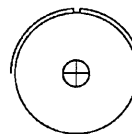
16-12  
4  
A



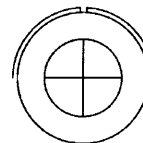
18-6  
4  
D



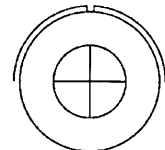
18-7  
8  
B



18-16  
12  
C

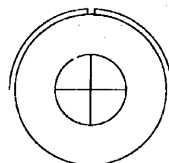


20-2  
0  
D



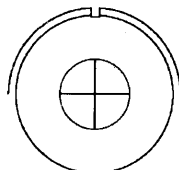
22-7  
0  
E

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

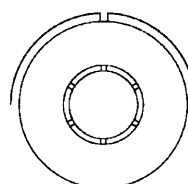


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

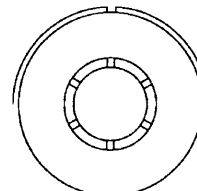
24-A1  
0  
B



28-B1  
0  
B



32-A1  
AWG 4/0  
A



36-01  
AWG 4/0  
C

2 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



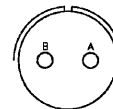
10SL-4  
16  
A



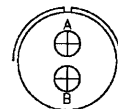
12S-3  
16  
A



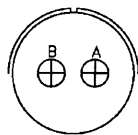
14S-9  
16  
A



16S-4  
12  
D

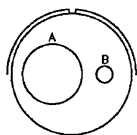


16-11  
12  
A

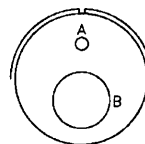


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

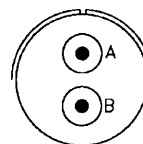
18-3  
12  
D



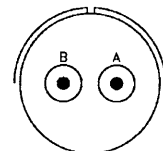
18-14  
1/4, 1/16  
A



20-12  
1/4, 1/16  
A



20-23  
8  
A



22-1  
8  
D

CONTACT LEGEND



18



16



12



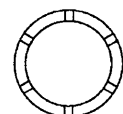
8



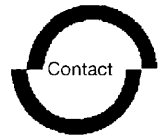
4



0



4/0



Contact arrangement

ARRANGEMENT	22-8	22-11	24-9	28-7	32-5
CONTACT SIZE	12	16	4	4	0
SERVICE RATING	E	B	A	D	D

3 CONTACTS

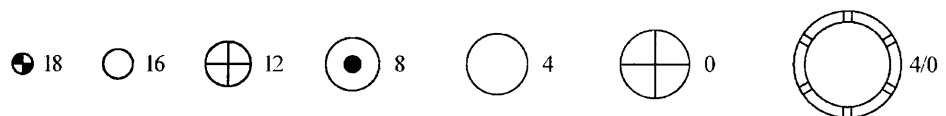
ARRANGEMENT	10SL-3	14S-1	14S-7	16S-5	16S-6
CONTACT SIZE	16	16	16	16	16
SERVICE RATING	A	A	A	A	A

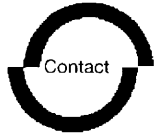
ARRANGEMENT	16-7	16-10	18-5	18-22	20-3
CONTACT SIZE	1/8 , 2/16	12	2/12 , 1/16	16	12
SERVICE RATING	A	A	D	D	D

ARRANGEMENT	20-6	20-19	22-2	22-6	22-9
CONTACT SIZE	16	8	8	2/8 , 1 / 16	12
SERVICE RATING	D	A	D	D	E

ARRANGEMENT	22-21	28-3	28-6	32-A3	36-4
CONTACT SIZE	1/0 , 2/16	8	4	4	0
SERVICE RATING	A	E	D	E	A=D ; B,C=A

CONTACT LEGEND





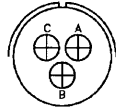
Contact arrangement

4 CONTACTS

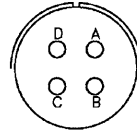
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



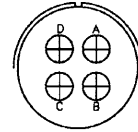
14S-2  
16  
I



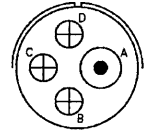
16-9  
2/12, 2/16  
A



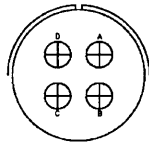
18-4  
16  
D



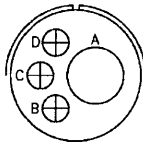
18-10  
12  
A



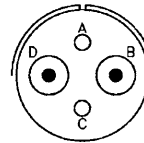
18-13  
1/8, 3/12  
A



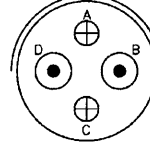
20-4  
12  
D



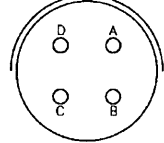
20-20  
1/4, 3/12  
A



20-24  
2/8, 2/16  
A

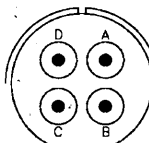


22-4  
2/8, 2/12  
A

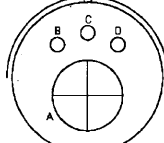


22-10  
16  
E

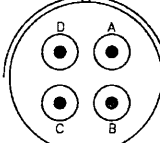
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



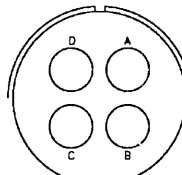
22-22  
8  
A



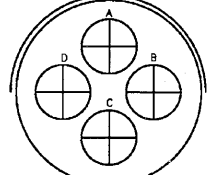
24-4  
1/0, 3/16  
A



24-22  
8  
D

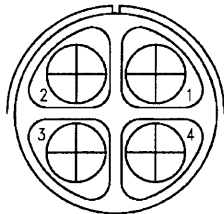


32-17  
4  
D



36-5  
0  
A

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

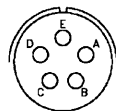
40-B4  
0  
E

5 CONTACTS

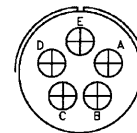
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



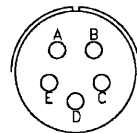
14S-5  
16  
I



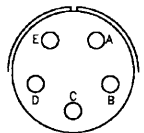
16S-8  
16  
A



18-11  
12  
A

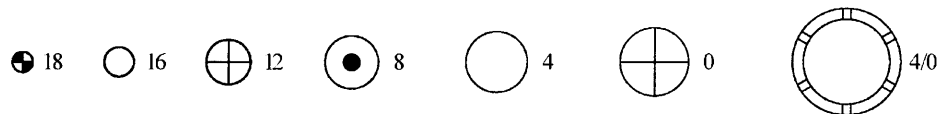


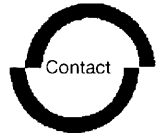
18-20  
16  
A



18-29  
16  
A

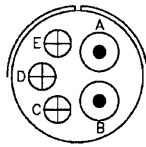
CONTACT LEGEND



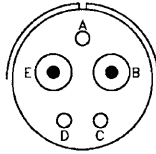


Contact arrangement

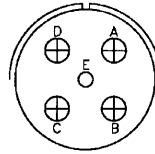
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



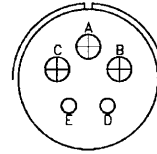
20-14  
2/8 , 3/12  
A



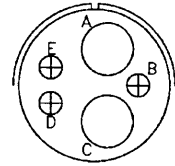
22-12  
2/8 , 3/16  
D



22-13  
4/12 , 1/16  
D

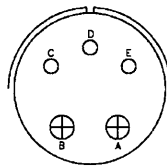


22-34  
3/12 , 2/16  
D

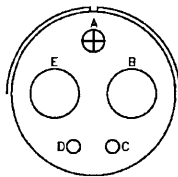


24-12  
2/4 , 3/12  
A

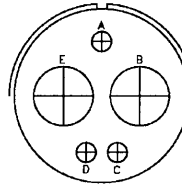
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



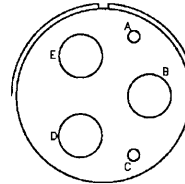
24-17  
2/12 , 3/16  
D



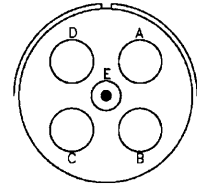
28-5  
2/4 , 1/12 , 2/16  
D



32-1  
2/0 , 3/12  
A=E ; B,C,D,E=D

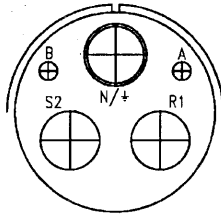


32-2  
3/4 , 2/16  
E

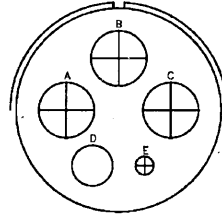


32-79  
4/4 , 1/8  
D

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



40-A3  
1/0M , 2/0 , 2/12  
A



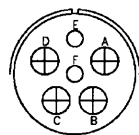
40-A5  
3/0 , 1/4 , 1/12  
A

6 CONTACTS

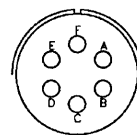
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



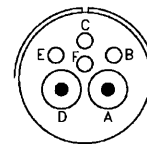
14S-6  
16  
I



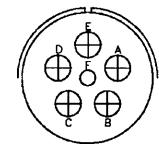
18-06  
4/12 , 2/16  
A



18-12  
16  
A

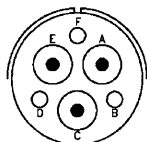


20-8  
2/8 , 4/16  
I

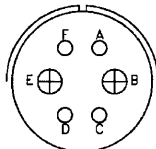


20-17  
5/12 , 1/16  
A

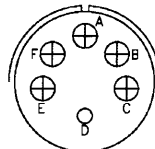
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



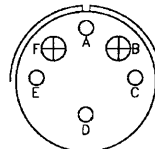
20-22  
3/8 , 3/16  
A



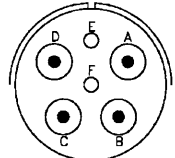
22-5  
2/12 , 4/16  
D



22-15  
5/12 , 1/16  
D=E ; A,B,C,E,F=A

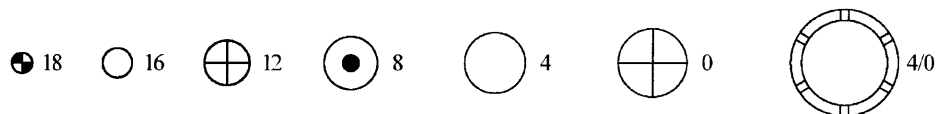


22-24  
2/12 , 4/16  
A,B,F=A ; C,D,E=D



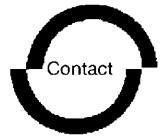
24-06  
4/8 , 2/16  
D

CONTACT LEGEND

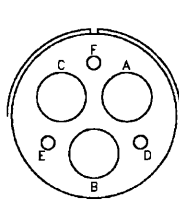


EPIC® MIL-C

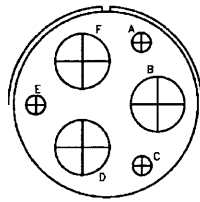
CONTACT  
Connectors



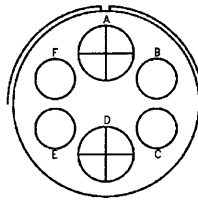
Contact arrangement



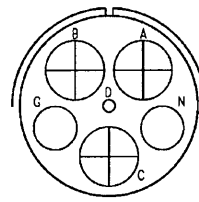
28-22  
3/4 , 3/16  
D



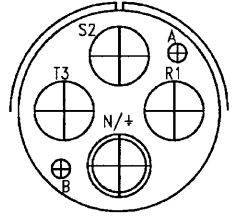
36-3  
3/0 , 3/12  
D



36-6  
2/0 , 4/4  
A

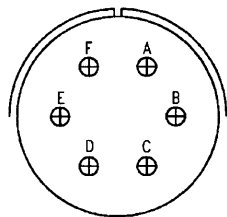


36-A51  
3/0 , 2/4 , 1/16  
D



40-A4  
1/0M , 3/0 , 2/12  
A

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



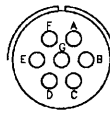
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

40-A6  
16  
B

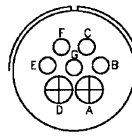
7 CONTACTS



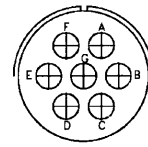
14-07  
16  
I



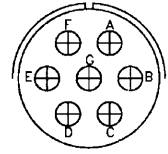
16S-1  
16  
A



18-9  
2/12 , 5/16  
I

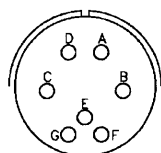


20-15  
12  
A

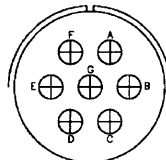


22-28  
12  
A

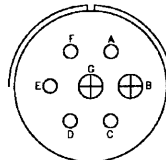
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



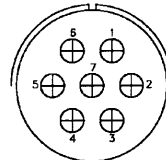
22-33  
16  
A,B,C,D=D ;  
E,F,G=A



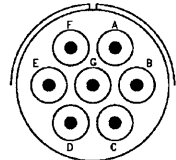
24-2  
12  
D



24-3  
2/12 , 5/16  
A

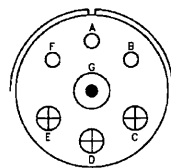


24-07  
12  
D

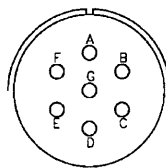


24-10  
8  
A

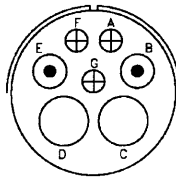
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



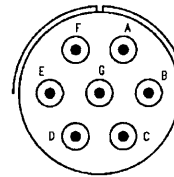
24-16  
1/8 , 3/12 , 3/16  
A,B,F,G=D ;  
C,D,E=A



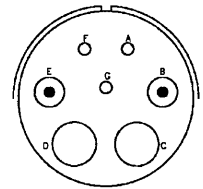
24-27  
16  
E



28-10  
2/4 , 2/8 , 3/12  
G=D ; Bal=A



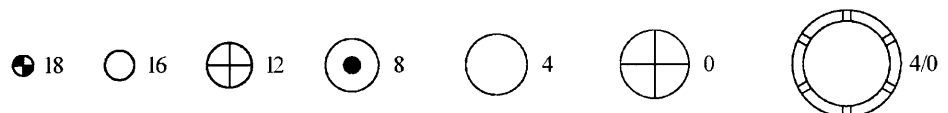
28-70  
8  
A

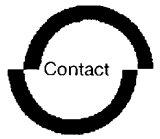


32-10  
2/4 , 2/8 , 3/16  
A,F=E ; B,E=D ;  
C,D=A ; G=B

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

CONTACT LEGEND

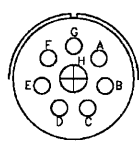




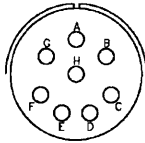
Contact arrangement

8 CONTACTS

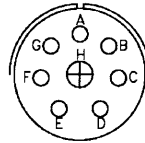
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



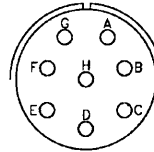
18-8  
1/12 , 7/16  
A



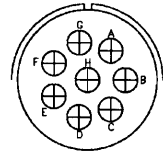
20-7  
16  
A,B,H,G=D ;  
C,D,E,F=A



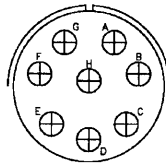
20-9  
1/12 , 7/16  
H=D ; Bal=A



22-18  
16  
A,B,F,G,H=D ;  
C,D,E=A

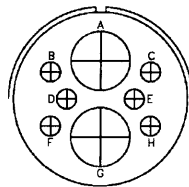


22-23  
12  
H=D ; Bal=A

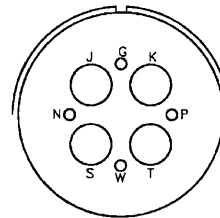


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

24-6  
12  
A,G,H=D ; Bal=A



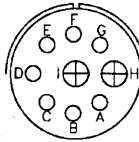
32-15  
2/0 , 6/12  
D



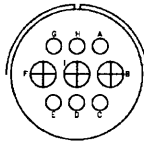
40-A10  
4/4 , 4/16  
D

9 CONTACTS

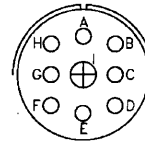
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



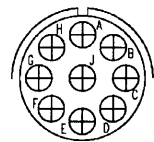
20-16  
2/12 , 7/16  
A



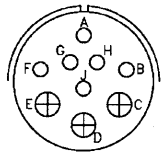
20-18  
3/12 , 6/16  
A



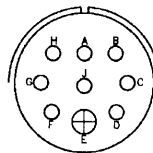
20-21  
1/12 , 8/16  
A



20-A9  
12  
J=D ; Bal=I

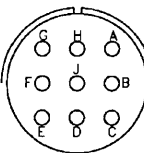


22-16  
3/12 , 6/16  
A

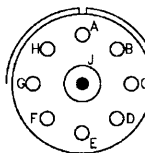


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

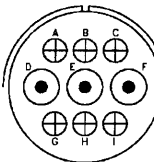
22-17  
1/12 , 8/16  
A=D ; Bal=A



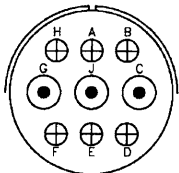
22-20  
16  
A



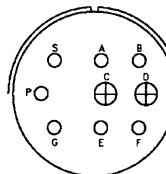
22-27  
1/8 , 8/16  
J=D ; Bal=A



24-11  
3/8 , 6/12  
A

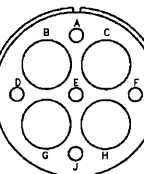


28-1  
3/8 , 6/12  
A,J,E=D ; Bal=A

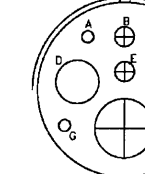


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

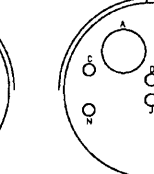
28-4  
2/12 , 7/16  
G,P,S=E ; Bal=D



28-09  
4/4 , 5/16  
A

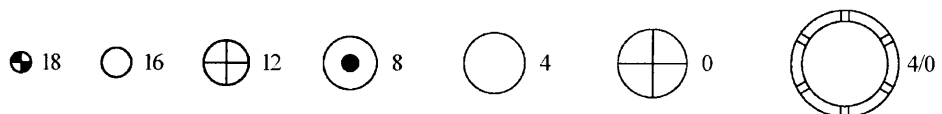


32-3  
1/0 , 2/4 , 2/12 , 4/16  
D



32-689  
3/4 , 6/16  
A

CONTACT LEGEND



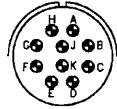




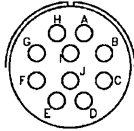
Contact arrangement

10 CONTACTS

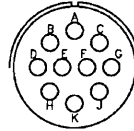
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



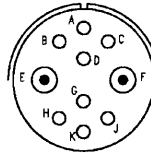
16-A10  
18  
I



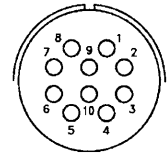
18-1  
16  
B,C,E,G=A ;  
Bal=I



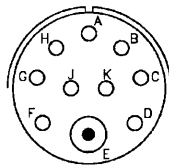
18-19  
16  
A



22-82  
8/16 , 2/8  
A

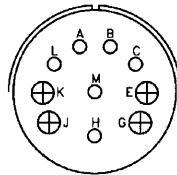


22-A10  
16  
A



ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

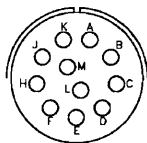
24-21  
1/8 , 9/16  
D



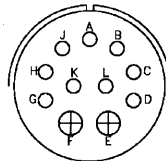
28-19  
4/12 , 6/16  
A,B=D ; K,M=B ; Bal=A

11 CONTACTS

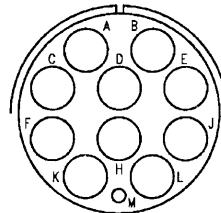
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



20-33  
16  
A



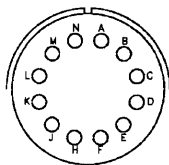
24-20  
2/12 , 9/16  
D



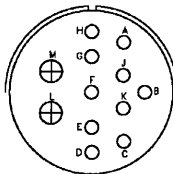
40-67  
10/4 , 1/16  
A

12 CONTACTS

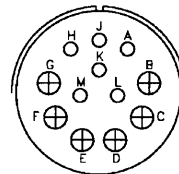
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



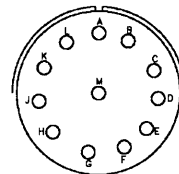
24-19  
16  
A



28-8  
2/12 , 10/16  
B=D ; L,M=E ; Bal=A



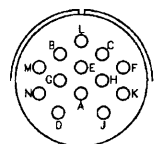
28-9  
6/12 , 6/16  
D



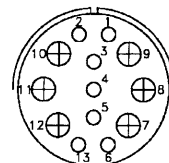
28-18  
16  
A,B=A ; G,H,J,K,L=D ;  
M=C ; Bal=I

13 CONTACTS

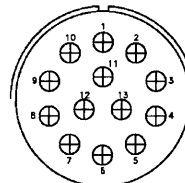
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



20-11  
16  
I

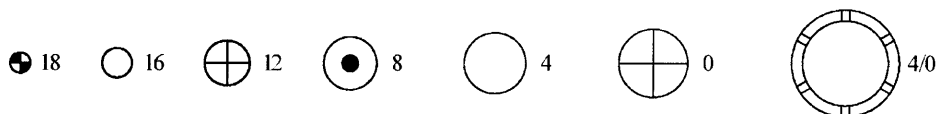


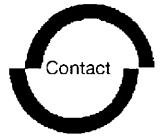
24-013  
6/12 , 7/16  
A



32-013  
12  
D

CONTACT LEGEND

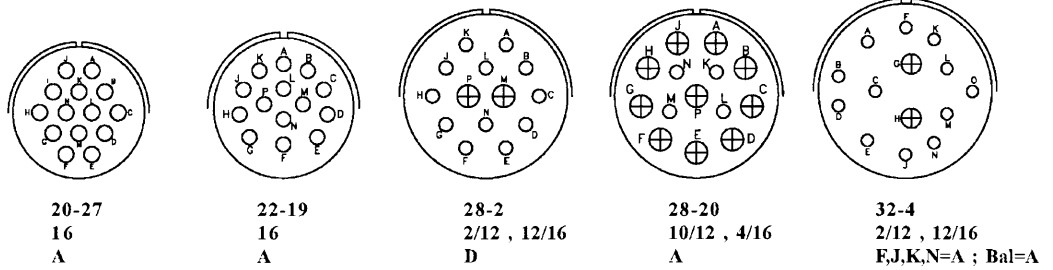




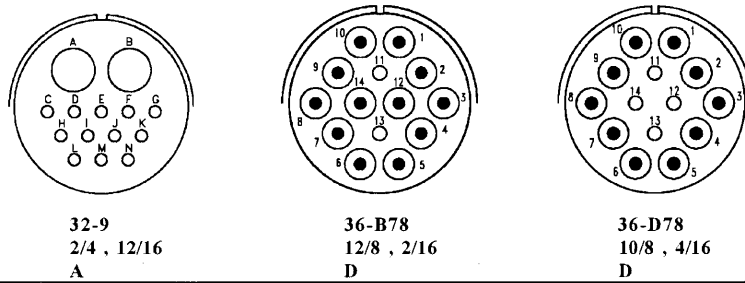
Contact arrangement

14 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

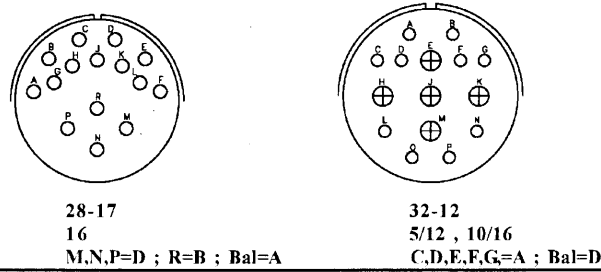


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



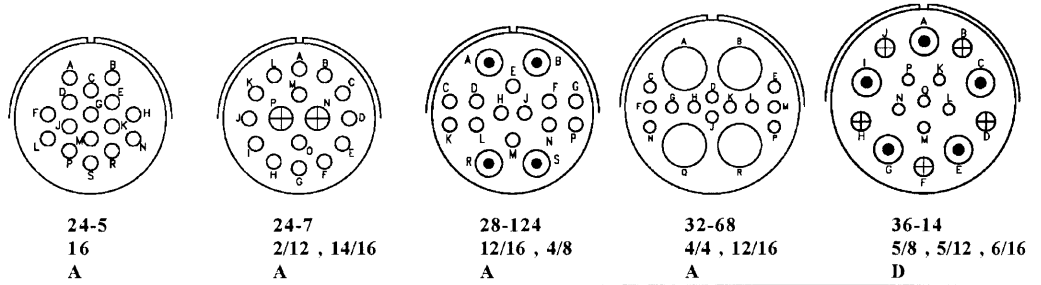
15 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



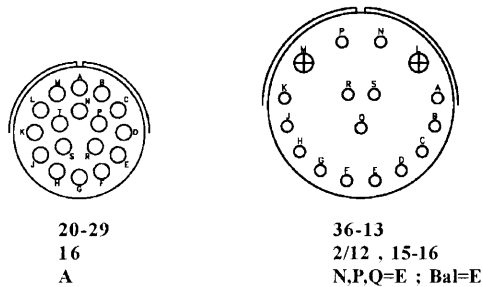
16 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

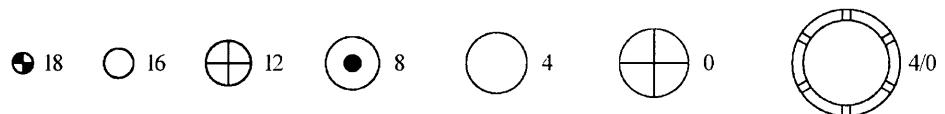


17 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



CONTACT LEGEND

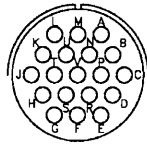




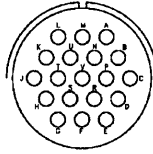
Contact arrangement

19 CONTACTS

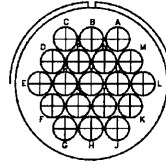
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



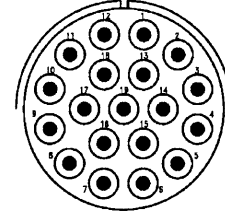
20-A48  
16  
I



22-14  
16  
A



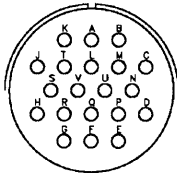
24-67  
12  
A



40-B19  
8  
A

20 CONTACTS

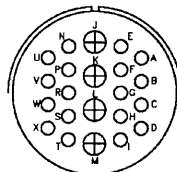
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



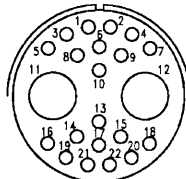
28-16  
16  
A

22 CONTACTS

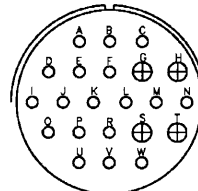
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



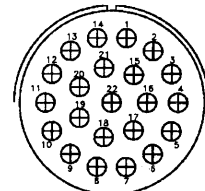
28-11  
4/12 , 18/16  
A



32-B22  
2/4 , 20/16  
A



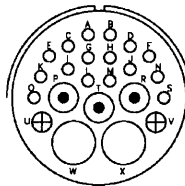
36-1  
4/12 , 18/16  
D



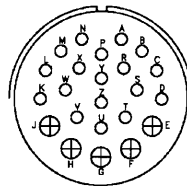
36-22  
12  
D

23 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

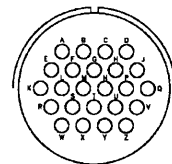


32-6  
2/4 , 3/8 , 2/12 , 16/16  
A



32-13  
5/12 , 18/16  
D

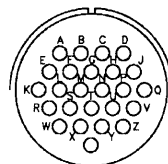
24 CONTACTS



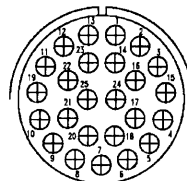
24-28  
16  
I

25 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

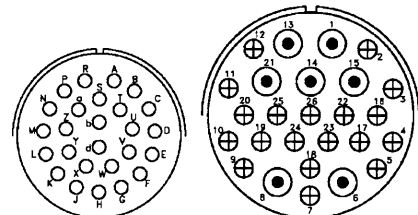


24-A25  
16  
A

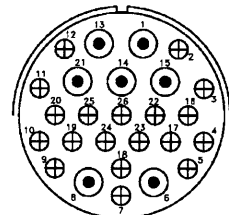


32-A25  
12  
A

26 CONTACTS



28-12  
16  
A



40-26  
7/8 , 19/12  
A

CONTACT LEGEND

