

MIL-C-26482 Series II



MIL-C-26482 series II connector is the upgrade to MIL-C-26482 Series I. They are designed as bayonet coupling, rear-removable crimp contact, medium contact density, mating hermetic and RFI shielding.

This family of circular connectors is offered 3 kinds of material shell, 9 kinds of size shell, 4 kinds of finish, 2 plug styles, 4 receptacle-mounting styles, 3 kinds of contact and more than 30 kinds of contact layout.

Widely used on commercial, military and aerospace systems, etc.

Part number

MS	3474	W	18	-06	P	N
Basic series						
Type of shell						
3470 = Narrow flange receptacle						
3471 = Cable connecting receptacle						
3472 = Wide flange receptacle						
3474 = Jam nut receptacle						
3475 = RFI shielding plug						
3476 = Straight plug						
Finish						
A = Black anodized						
L = Electroless nickel plating						
W = Olive drab cadmium plating						
S = Stainless steel passivated						
B = Olive green cadmium plating						
Shell size						
08, 10, 12, 14, 16, 18, 20, 22, 24						
Contact layout (see next page)						
Contact						
P = Pin						
S = Socket						
PL = PCB pin						
SL = PCB socket						
Orientation						
N, W, X, Y, Z						

Performance specifications

Operating temperature range:

Class W: -55 °C ~ +175 °C

Class L, A, S: -55 °C ~ +200 °C

Shell material:

Aluminium-alloy, copper-alloy or stainless steel

Corrosion resistance:

Class A withstand 48 hours salt spray,

Class L withstand 96 hours salt spray,

Class W withstand 500 hours salt spray

Class S withstand 1000 hours salt spray

Durability:

≥ 500 mating cycles

MS3475 ≥ 250 mating cycles

Shock:
Max acceleration 294 m/s²

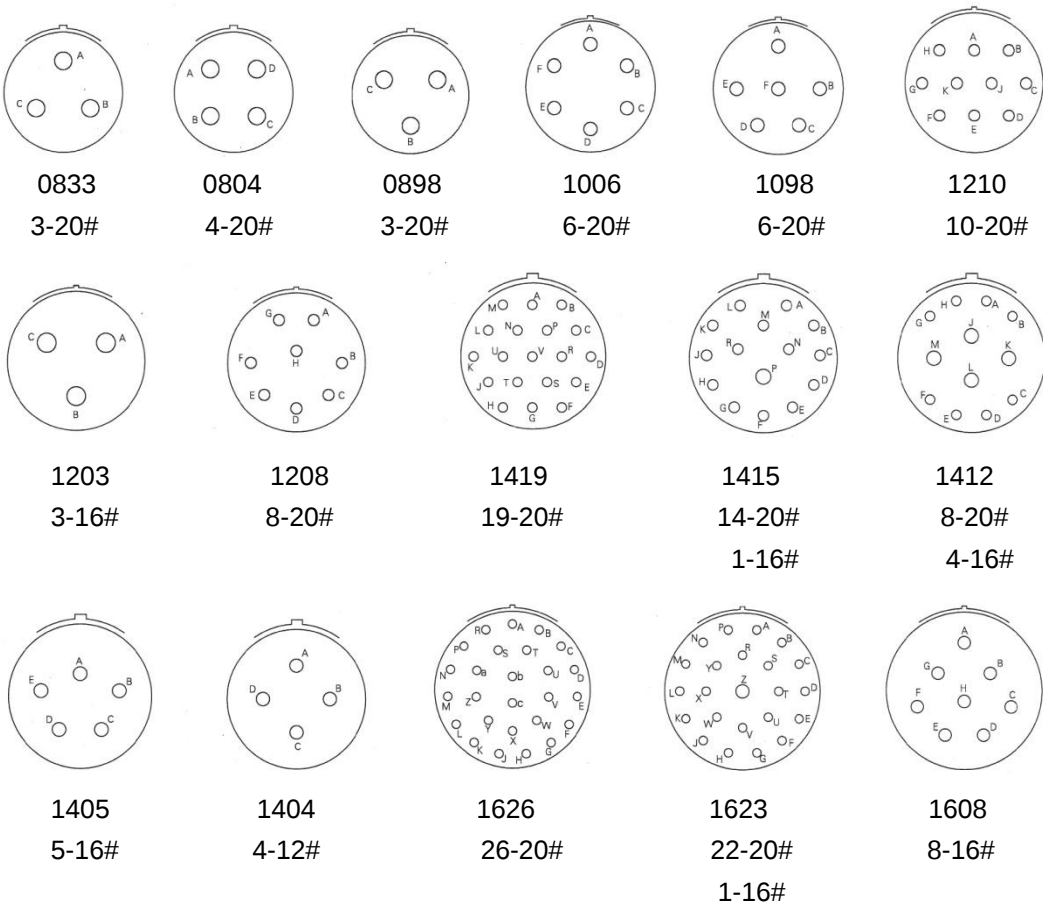
Random vibration:
Frequency 10 Hz ~ 2000 Hz at 196 m/s²

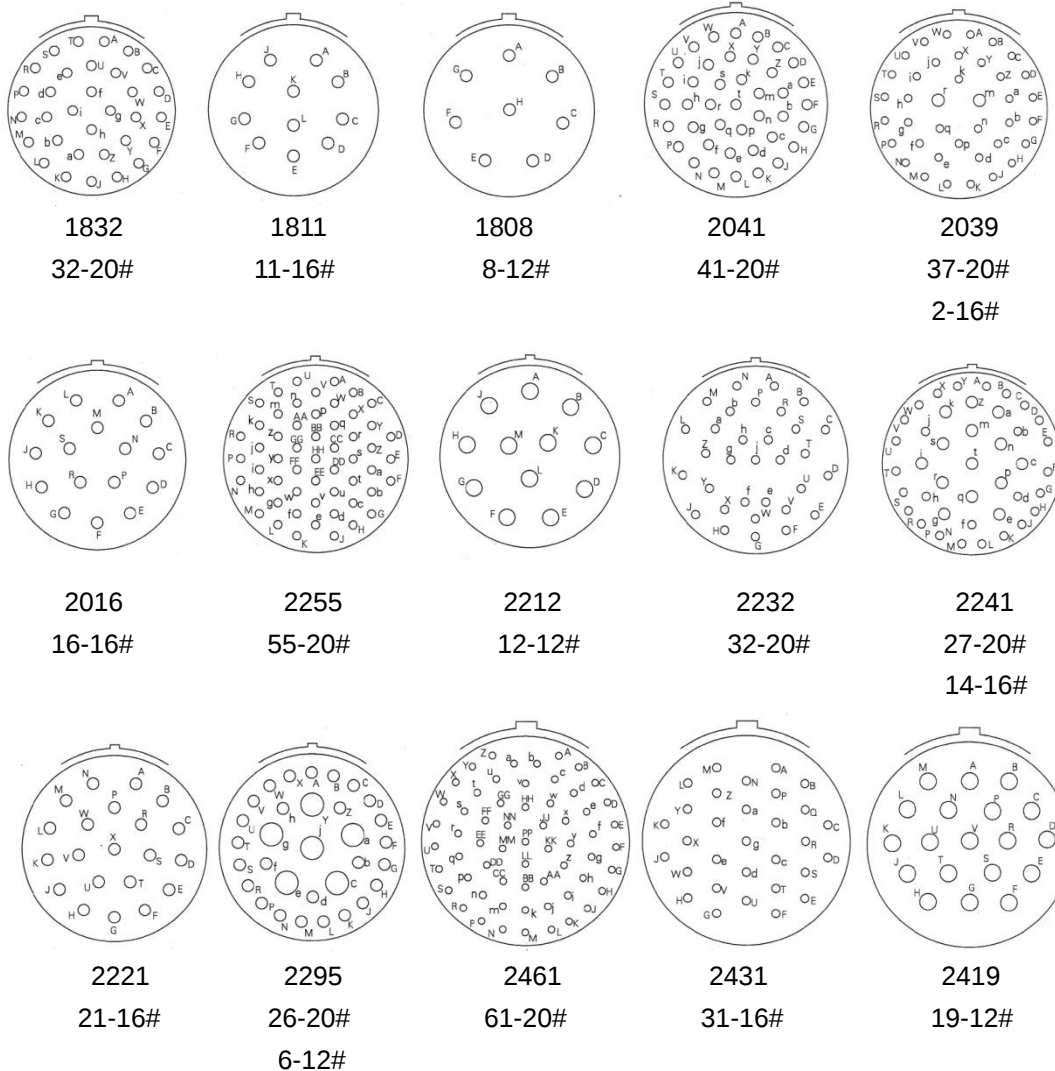
Anti-RFI:
At frequency 100 ~ 1000 MHz, leakage attenuation: 65~45dB.

Contact

Contact No.	Diameter (mm)	Cross section area of cable (mm ²)	Resistance (mΩ)	Current (A)
20 #	Φ 1.00	0.20	≤ 5	3.0
		0.30		5.0
		0.50		7.5
16 #	Φ 1.59	0.50	≤ 3	7.5
		0.80		10.0
		1.25		13.0
12 #	Φ 2.39	2.00	≤ 2	17.0
		3.15		23.0

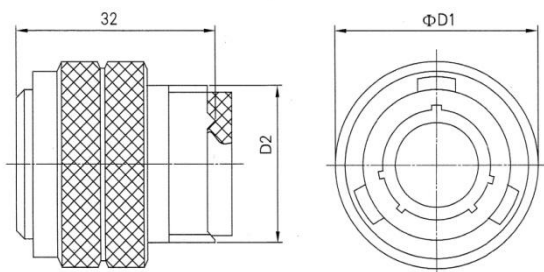
Contact layout





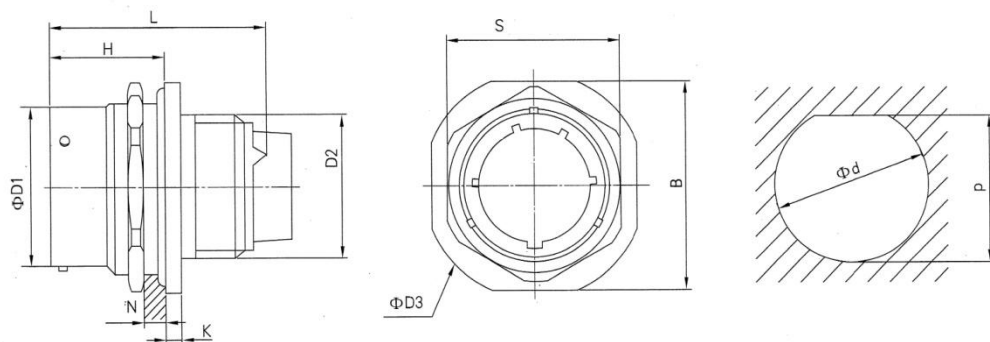
Shell size

Straight plug (MS3475/MS3476)



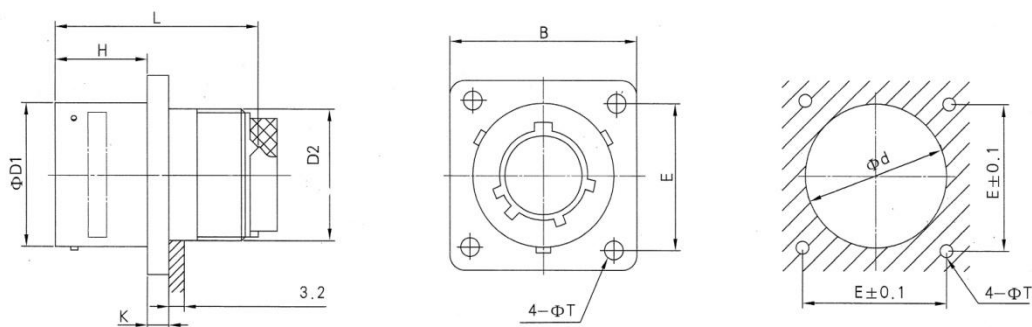
Shell No.	D1	D2
08	19.7	0.5000-20
10	23.5	0.6250-24
12	27.0	0.7500-20
14	30.5	0.8750-20
16	34.0	1.0000-20
18	35.3	1.0625-18
20	39.3	1.1875-18
22	43.0	1.3125-18
24	46.0	1.4375-18

Jam nut receptacle (MS3474/MS3479)



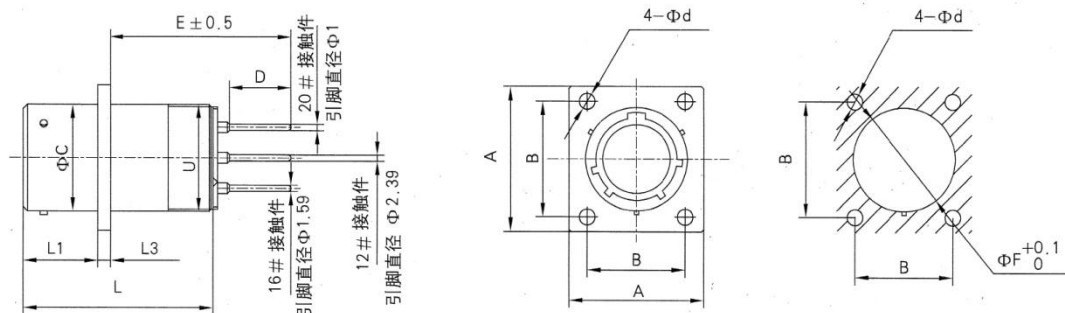
Shell No.	D1	D2	D3	L	H	K	B	S	N	d	p
08	12.0	0.5000-20	27.2	31.5	17.5	2.5	24.0	19.4	4.8	14.6	13.7
10	15.0	0.6250-24	30.4	31.5	17.5	2.5	27.0	22.6	4.8	17.8	16.9
12	19.1	0.7500-20	35.2	31.5	17.5	2.5	32.0	27.4	4.8	22.8	21.0
14	22.2	0.8750-20	38.3	31.5	17.5	2.5	35.0	30.2	4.8	25.7	24.1
16	25.4	1.0000-20	41.5	31.5	17.5	2.5	38.2	33.7	4.8	28.4	27.3
18	28.6	1.0625-18	44.7	31.5	17.5	2.5	41.5	36.9	4.8	32.1	30.5
20	31.8	1.1875-18	49.4	33.1	19.0	3.3	46.2	40.1	6.4	35.2	33.7
22	34.9	1.3125-18	52.6	33.1	19.0	3.3	49.4	43.3	6.4	38.4	36.8
24	38.1	1.4375-18	55.8	33.1	19.0	3.3	52.6	46.4	5.6	41.6	40.1

Narrow flange receptacle (MS3470)



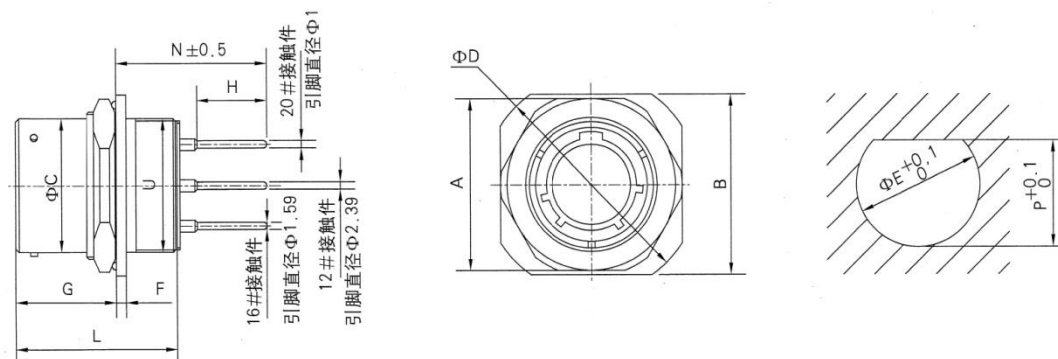
Shell No.	D1	D2	L	H	K	B	E	T	d
08	12.0	0.5000-20	32.0	11.7	1.8	21.0	15.1	3.2	14.4
10	15.0	0.6250-24	32.0	11.7	1.8	24.2	18.3	3.2	17.3
12	19.1	0.7500-20	32.0	11.7	1.8	26.5	20.6	3.2	21.9
14	22.2	0.8750-20	32.0	11.7	1.8	28.7	23.0	3.2	25.1
16	25.4	1.0000-20	32.0	11.7	1.8	31.2	24.6	3.2	28.2
18	28.6	1.0625-18	32.0	11.7	1.8	33.7	27.0	3.2	31.4
20	31.8	1.1875-18	33.5	14.3	2.7	36.9	29.4	3.2	34.6
22	34.9	1.3125-18	33.5	14.3	2.7	40.0	31.8	3.2	37.7
24	38.1	1.4375-18	33.5	15.2	2.7	43.3	34.9	3.7	41.0

Flange receptacle for PCB



Shell No.	A	B	d	F	C	D	E	L1	L3	L	U(UNEF-2A)
8	21.0	15.1	3.2	14.4	12.0	7.5	28	11.7	1.9	30.85	0.5000-20
10	24.2	18.3	3.2	17.3	15.0	7.5	28	11.7	1.9	30.85	0.6250-24
12	26.5	20.6	3.2	21.9	19.1	7.5	28	11.7	1.9	30.85	0.7500-20
14	28.9	23.0	3.2	25.1	22.2	7.5	28	11.7	1.9	30.85	0.8750-20
16	31.3	24.6	3.2	28.2	25.4	7.5	28	11.7	1.9	30.85	1.0000-20
18	33.7	27.1	3.2	31.4	28.6	7.5	28	11.7	1.9	30.85	1.0625-18
20	36.9	29.4	3.2	34.6	31.8	9.5	28	14.3	2.7	32.40	1.1875-18
22	40.0	31.8	3.2	37.7	34.9	9.5	28	14.3	2.7	32.40	1.3125-18
24	43.3	34.9	3.7	41.0	38.1	11.6	28	15.2	2.7	32.40	1.4375-18

Jam nut receptacle for PCB



Shell No.	A	B	C	D	E	F	G	H	N	L	P	U (UNEF-2A)
8	19.4	24.0	12.0	27.2	14.4	2.87	17.8	7.5	23.5	30.6	13.3	0.5000-20
10	22.6	27.0	15.0	30.4	17.3	2.87	17.8	7.5	23.5	30.6	16.6	0.6250-24
12	27.4	32.0	19.1	35.2	21.9	2.87	17.8	7.5	23.5	30.6	21.3	0.7500-20
14	30.6	35.0	22.2	38.3	25.1	2.87	17.8	7.5	23.5	30.6	24.3	0.8750-20
16	33.7	38.2	25.4	41.4	28.2	2.87	17.8	7.5	23.5	30.6	27.5	1.0000-20
18	36.9	41.5	28.6	44.6	31.4	2.87	17.8	7.5	23.5	30.6	30.5	1.0625-18
20	40.1	46.2	31.8	49.4	34.6	3.76	19.5	7.8	23.5	32.0	33.8	1.1875-18
22	43.3	49.2	34.9	52.6	37.7	3.76	19.5	7.8	23.5	32.0	36.7	1.3125-18
24	46.4	52.5	38.1	55.7	41.0	3.76	19.5	7.8	23.5	32.0	40.3	1.4375-18