

MIL-C-26482- II Series Electrical Connector



Introduction:

- In accordance with the GJB598 (MIL-C-26482) series II standards.
- Bayonet type quick connection.
- Removable crimp contact
- RFI grounding plug
- High contact couple density
- Insert surface seal
- Widely used on commercial, military and aerospace systems

Usage:The products are used for the circuit signal connection

Using environment:

The product is suitable for the occasion where the environment is high strength vibration or harsh wind sand and moisture

Technical features:

Mechanical:

Shell: Aluminum, stainless steel

Finish: W:Olive drab cadmium,conductive shell

L:Nickel,conductive shell

A: Black anodized,non-conductive shell

B:Olive green cadmium, conductive shell

S:Stainless steel passivated,conductive shell

BW:Olive brown cadmium, conductive shell

Insulator: Thermosetting plastic

Grommet and interfacial seal: Silicone elastomer

Contact: Gold over cooper alloy

Endurance: 500 mating cycles (plug with RFI grounding fingers is 250 mating cycles)

Shock:300g,3ms

Random vibration: frequency:from 10 Hz to 2000 Hz

power spectral density:1g²/Hz

Electrical:

Operating voltage and resistant voltage: V

Service rating	Operating voltage		Resistant voltage	
	I	II	I	II
Sea level	600	1000	1500	2300
21336m	300	450	375	500

Contact resistance and rated current

Contact size	Working diameter(mm)	Contact resistance (mΩ)	Rated current(A)
20#	Φ1.00	≤5	7.5
16#	Φ1.60	≤2.5	13
12#	Φ2.40	≤1.5	23

Insulation resistance: 25℃≥5000MΩ 125℃≥3MΩ

Environmental:

Temperature range: -55℃ ~ +125℃

Relative humidity: At 40℃, up to 95±4%

Salt spray: Cadmium: 500h Nickel: 48h/96h

Anti-RF interference: Frequency 100 ~ 1000 MHz, leakage attenuation 65~45dB

(MS3475 plug)

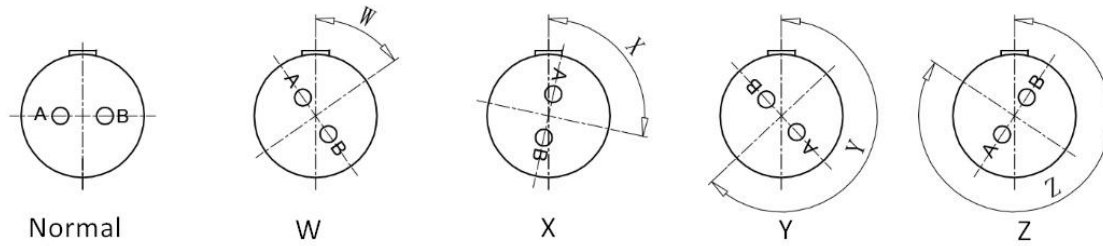
Liquid resistance: resistant to aviation gasoline, frozen oil, lubricating oil and other

12 liquids (Class L)

How to order

Basic series	MS	3474	L	18-	35	P	N
Shell type: 3470 – Wall mounting receptacle with narrow 3474 – Jam nut receptacle 3475 – Plug with RFI grounding fingers 3476 – Straight Plug							
Finsh: W:Olive drab cadmium L:Nickel A: Black anodized B:Olive green cadmium S:Stainless steel BW:Olive brown cadmium							
Shell size: 09 11 13 15 17 19 21 23 25							
Contact layout: See page 6 、 7							
Contact type: P-Pin S-socket							
Shell key: N-normal W、 X、 Y、 Z							

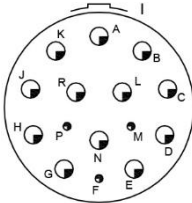
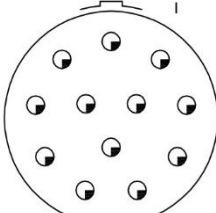
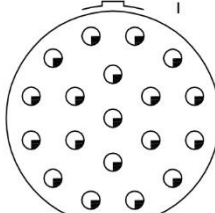
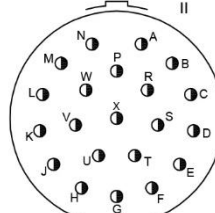
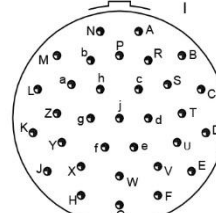
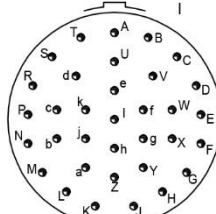
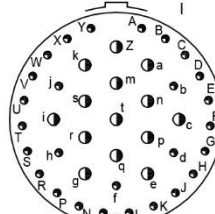
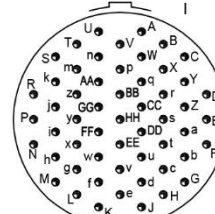
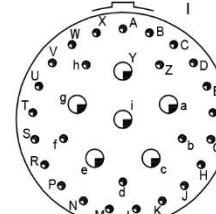
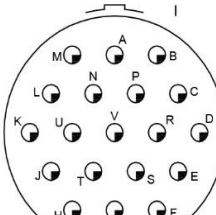
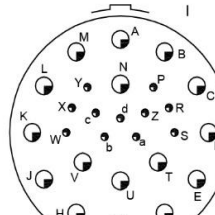
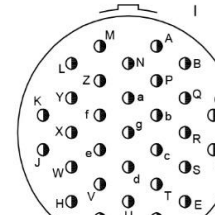
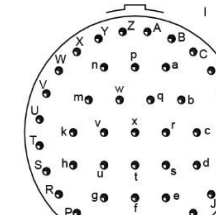
Orientation(Insulator Rotated Inside Metal Body)



Shell size	Contact layout	Angle				
		N	W	X	Y	Z
08	08-2	0	58	122	-	-
	08-3	0	60	210	-	-
	08-4	0	45	-	-	-
	08-33	0	90	-	-	-
	08-98	0	-	-	-	-
10	10-6	0	90	-	-	-
	10-7	0	-	-	-	-
	10-98	0	90	180	240	270
12	12-3	0	-	-	180	-
	12-4	0	45	-	-	-
	12-8	0	90	112	203	292
	12-10	0	60	155	270	295
14	14-4	0	45	-	-	-
	14-5	0	40	92	184	273
	14-9	0	15	90	180	240
	14-12	0	43	90	-	-
	14-15	0	17	110	155	234
	14-18	0	15	90	180	270
	14-19	0	30	165	315	-
	14-22	0	45	-	-	-
16	16-8	0	54	152	180	331
	16-14	0	25	78	180	240
	16-23	0	158	270	-	-
	16-26	0	60	-	275	338
	16-99	0	66	156	223	340

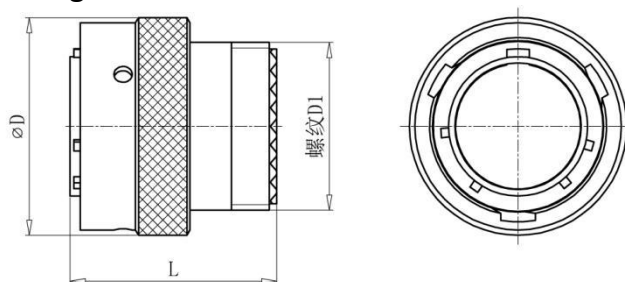
Shell size		Contact layout	Angle				
			N	W	X	Y	Z
18		18-8	0	180	-	-	-
		18-11	0	62	119	241	340
		18-30	0	180	193	285	350
		18-32	0	85	138	222	265
		18-85	0	45	90	180	240
20		20-16	0	238	318	333	347
		20-24	0	70	145	215	290
		20-27	0	72	144	216	288
		20-39	0	63	144	252	333
		20-41	0	45	126	225	-
		20-90	0	18	60	240	270
22		22-12	0	-	-	-	-
		22-19	0	15	90	225	308
		22-21	0	16	135	175	349
		22-32	0	72	145	215	288
		22-34	0	62	142	218	298
		22-41	0	39	135	264	-
		22-55	0	30	142	226	314
		22-95	0	26	180	266	-
24		24-19	0	30	165	315	-
		24-27	0	45	110	140	225
		24-31	0	90	225	255	-
		24-61	0	90	180	270	324

6

20	 20-90 3-20# 12-12#
22	 22-12 12-12#  22-19 19-12#  22-21 21-16#  22-32 32-20#
	 22-34 34-20#  22-41 14-16# 27-20#  22-55 55-20#  22-95 6-12# 26-20#
24	 24-19 19-12#  24-27 11-20# 16-12#  24-31 31-16#  24-61 61-20#

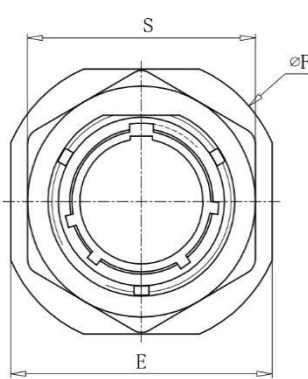
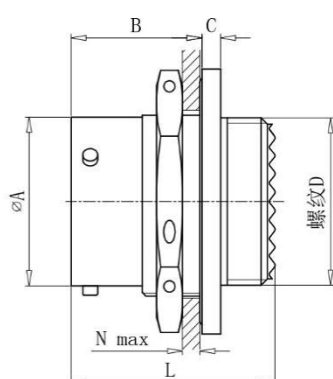
Dimension

MS3475/MS3476 Plug

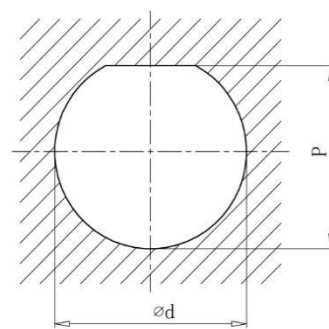


Shell size	L	D	Thread D1 UNEF-2A
08	27.3	18.8	0.5000-20
10	27.3	21.8	0.6250-24
12	27.3	24.8	0.7500-20
14	27.3	28.7	0.8750-20
16	27.3	31.7	1.0000-20
18	27.3	35.6	1.0625-18
20	29.0	38.5	1.1875-18
22	29.0	41.7	1.3125-18
24	29.0	44.7	1.4375-18

MS3474 Jam nut receptacle

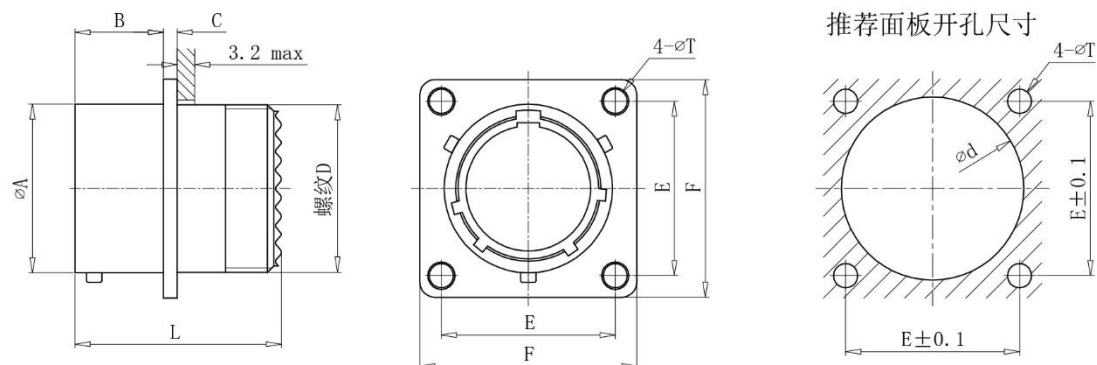


推荐面板开孔尺寸



Shell size	L	A	B	C	E	F	S	N	d	P	Thread D UNEF-2A
08	27.3	12.04	17.5	2.5	24.0	27.2	19.2	4.8	14.6	13.7	0.5000-20
10	27.3	15.00	17.5	2.5	27.0	30.4	22.5	4.8	17.8	16.9	0.6250-24
12	27.3	19.07	17.5	2.5	32.0	35.2	27.9	4.8	22.8	21.0	0.7500-20
14	27.3	22.25	17.5	2.5	35.0	38.3	30.5	4.8	25.7	24.1	0.8750-20
16	27.3	25.43	17.5	2.5	38.2	41.5	33.6	4.8	28.8	27.3	1.0000-20
18	27.3	28.60	17.5	2.5	41.34	44.44	36.8	4.8	32.1	30.5	1.0625-18
20	29.0	31.78	19.0	3.3	46.04	49.14	40.0	6.4	35.2	33.7	1.1875-18
22	29.0	34.95	19.0	3.3	49.24	52.24	43.2	6.4	38.4	36.8	1.3125-18
24	29.0	38.13	19.0	3.3	52.74	55.54	46.3	5.6	41.6	40.1	1.4375-18

MS3470 Receptacle with narrow flange



Shell size	L	A	B	C	E	F	T	d	Thread D UNEF-2A
08	27.3	12.04	11.7	1.8	15.1	21.0	3.2	14.4	0.5000-20
10	27.3	15.00	11.7	1.8	18.3	24.2	3.2	17.3	0.6250-24
12	27.3	19.07	11.7	1.8	20.6	26.5	3.2	21.9	0.7500-20
14	27.3	22.25	11.7	1.8	23.0	28.7	3.2	25.1	0.8750-20
16	27.3	25.43	11.7	1.8	24.6	31.2	3.2	28.2	1.0000-20
18	27.3	28.60	11.7	1.8	27.0	33.7	3.2	31.4	1.0625-18
20	29.0	31.78	14.3	2.7	29.4	36.9	3.2	34.6	1.1875-18
22	29.0	34.95	14.3	2.7	31.8	40.0	3.2	37.7	1.3125-18
24	29.0	38.13	15.2	2.7	34.9	43.3	3.8	41.0	1.4375-18

Crimp contact for MIL-C-26482 II series

Contact size	Working diameter	Pin color	Socket color	Crimp barrel Inner diameter mm	Crimp barrel outer diameter mm	Applicable wire section mm ²	AWG	Applicable wire Insulator outer diameter mm	Insert and extraction tools	Crimp tools
20#	Φ1.00	brown-brown-black	brown-brown-green	1.2	1.98	0.2 0.3 0.5	24 22 20	1.02~2.11	M81969/14-11	YJQ-02 XDWQ-01
16#	Φ1.60	brown-brown-brown	brown-brown-blue	1.7	2.6	0.5 0.8 1.0 1.2	20 18 16	1.35~2.62	M81969/14-03	XCXY-01/ DWQ-09
12#	Φ2.4	brown-brown-orange	brown-brown-grey	2.5	3.8	2.0 3.0	14 12	2.46~4.01	M81969/14-04	XCXY-01/ DWQ-09