



DonConn

INNOVATE / COOPERATION / WIN-WIN

MIL-DTL-26482 Series II

Military Style Connectors & Backshells

PRODUCT INTRODUCTION

MIL-DTL-26482 Series II

MIL-DTL-26482 Series II will meet or exceed all of the specifications for performance and durability. The connectors feature advanced bayonet coupling, crimp contacts, and 32 high-density insert arrangements for design flexibility. The MIL-DTL-26482 Series provides many connector shell styles unavailable in the mil-spec, including specialized thru-bulkhead and hermetic receptacles. For demanding applications requiring IP67 protection in a high-density, high-reliability, ruggedized crimp connector with the ease of quick-disconnect coupling.

Performance Specifications

Mechanical performance:

Material: Shell: aluminum alloy, stainless steel

Insulation: thermosetting plastic

Grommet and seal: silicon rubber

Plating: No mark: Cadmium plated olive brown, conductive outer shell

L: Electroless nickel plating conductive shell

A: Black anodized, non-conductive shell

B: Military cadmium plating, conductive shell

S: Stainless steel passivated, conductive shell

BW: Cadmium plated brown green, conductive shell

Contacts: copper alloy gold plating, crimp, solder and PCB

Durability: 500 cycles (JY3475 shielding plug is 250 cycles)

Random vibration: frequency 10~2000 Hz, power spectral density 1.0G²/Hz

Shock: 3ms half sinusoid 3ms acceleration peak 300g

Electrical

Working voltage and voltage resistance: V

Working level*	Working voltage		Withstand voltage	
	I	II	I	II
Sea level	600	1000	1500	2300
21336m	300	450	375	500

Contact resistance and rated current:

Contact specification	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°C ≥5000 MΩ, 200°C 500

Environmental performance

Usage temperature: 55 °C ~ +175 °C (W) -55 °C ~ +200 °C (L A S)

Relative humidity: 65 °C, up to 94±4

Salt spary resistance: W: 500h; L: 96h; A: 48h; S: 1000h

Radio frequency interference: frequency 100~1000MHz, leakage attenuation 65~45dB (JY3475 plug)

Fluid resistance: Can withstand aviation gasoline, frozen oil, lubricating oil and other 12 liquids (category L)

How to Build Your Connector Part Number

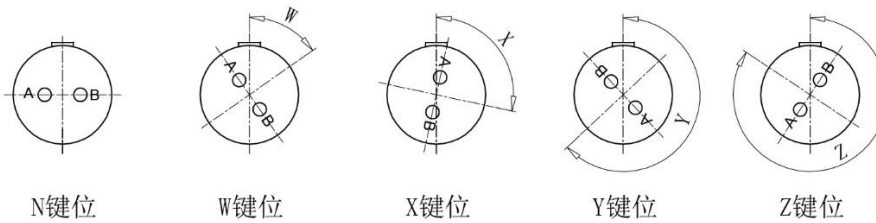
MS 3474 W 18 -06 P N
1 2 3 4 5 6 7

- 1 Basic series
- 2 Type of shell
3470= narrow flange receptacle
3474= nut mount receptacle
3475= Rf interference proof plug
3476= plug
- 3 A = Black anodized
L = Electroless nickel plating
W= Olive drab cadmium plating
S = Stainless steel passivated
B = Olive green cadmium plating
- 4 Shell size
08, 10, 12, 14, 16, 18, 20, 22, 24
- 5 Contact layout (see below)
- 6 Shell Size & Insert Arrangement: See Insert Arrangement Selection table
- 7 Contact
P = Pin
S = Socket
PL = PCB pin
SL = PCB socket
- 8 Orientation
N, W, X, Y, Z

Note:

- 1、 GJB598 is identical to the MIL-C-26482 and the "YB" series model named , except for the main code, the rest is exactly the same. The main name of the GJB598 is the main name of the "JY" , MIL-C-26482 is "MS" , "YB" series is called "YB" , the three can be interchangeable.
- 2、 MS3475 anti-radio interference plug can not use black anodized plating.

Orientation



















































键位角度：从插针的正面方向看，旋转角度如上图所示。

Shell no	Layout code	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
	14-4	0	45	-	-	-
14	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	-	-	-
	16-8	0	54	152	180	331
16	16-14	0	25	78	180	240
	16-23	0	158	270	-	-
	16-26	0	60	-	275	338

Shell no	Layout code	Angle				
		N	W	X	Y	Z
16	16-99	0	66	156	223	340
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

Insert arrangements

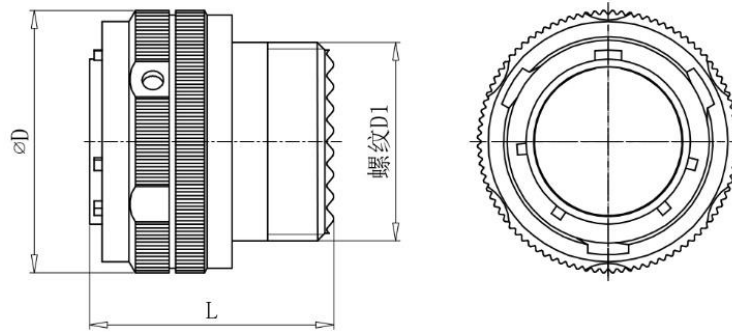
08	     <p>08-03 3-20# 08-02 2-20# 08-04 4-20# 08-33 3-20# 08-98 3-20#</p>
10	   <p>10-06 6-20# 10-07 7-20# 10-98 8-20#</p>
12	    <p>12-03 3-16# 12-04 4-16# 12-08 8-20# 12-10 10-20#</p>
14	        <p>14-04 4-12# 14-05 5-16# 14-09 4-12# 5-20# 14-12 4-16# 8-20# 14-15 1-16# 14-20# 14-18 18-20# 14-19 19-20# 14-22 4-12# 1-20#</p>
16	     <p>16-08 8-16# 16-14 8-20# 6-12# 16-23 1-16# 22-20# 16-26 26-20# 16-99 2-16# 21-20#</p>
18	     <p>18-08 8-12# 18-11 11-16# 18-30 1-16# 29-20# 18-32 32-20# 18-85 5-20# 8-12#</p>
20	      <p>20-16 16-16# 20-24 24-20# 20-27 27-20# 20-39 2-16# 37-20# 20-41 41-20# 20-90 3-20# 12-12#</p>
22	    <p>22-12 12-12# 22-19 19-12# 22-21 21-16# 22-32 32-20#</p>
	    <p>22-34 34-20# 22-41 16-10# 27-20# 22-55 55-20# 22-95 61-18# 35-20#</p>
24	    <p>24-16 16-12# 24-27 11-20# 16-12# 24-31 31-16# 24-41 41-20#</p>



JY3475/ JY3476 plug

Cross-Reference & Compatibility

Compatible Brands	Equivalents	Mates
MIL-DTL-26482 Series II	MS3475,MS3476	MS3470,MS3471,MS3472,MS3474
Aero/Conesys	AE775,AE776	AE770,AE771,AE772,AE774
Amphenol MS3476	MB16,MB18	MB10,MB11,MB13,MB14
Deutsch	AFD56, AFD57	AFD50,AFD51,AFD54,AFD58
Souriau	8526-5, 8526-6	8526-0, 8526-7



Plug Dimensions

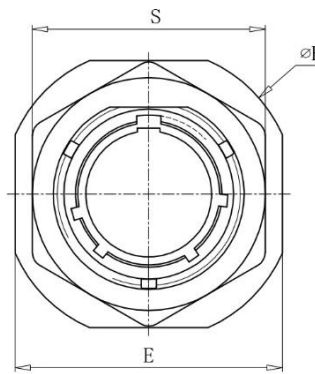
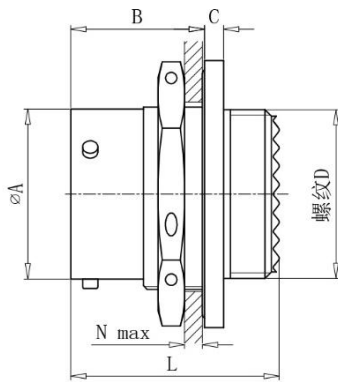
Shell no	L	D	Screw thread D1 UNEF-2A
08	27.3	18.8	0.5000-20
10	27.3	21.5	0.6250-24
12	27.3	25.8	0.7500-20
14	27.3	29.2	0.8750-20
16	27.3	32.3	1.0000-20
18	27.3	35.4	1.0625-18
20	29.0	38.5	1.1875-18
22	29.0	41.7	1.3125-18
24	29.0	44.7	1.4375-18



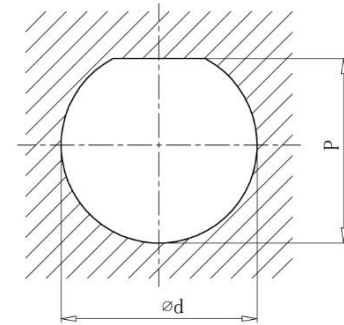
JY3474 Jam nut receptacle

Cross-Reference & Compatibility

Compatible Brands	Equivalents	Mates
MIL-DTL-26482 Series II	MS3474	MS3475, MS3476
Aero/Conesys	AE774	AE775, AE776
Amphenol	MB14	MB16, MB18
Deutsch	AFD54	AFD56, AFD57
Souriau	8526-7	8526-5, 8526-6



推荐面板开孔尺寸



Receptacle Dimensions

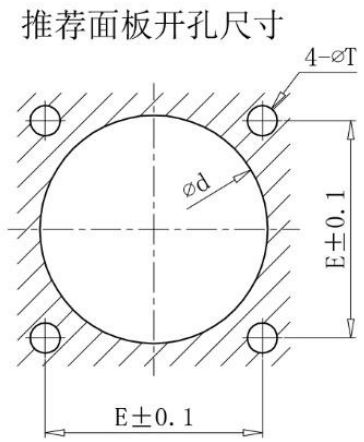
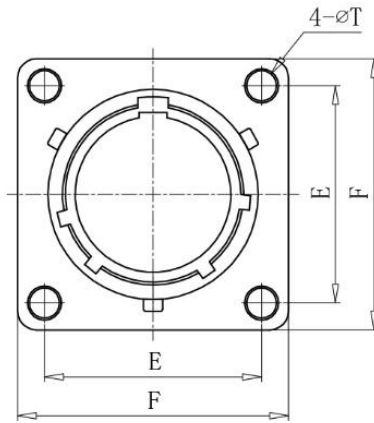
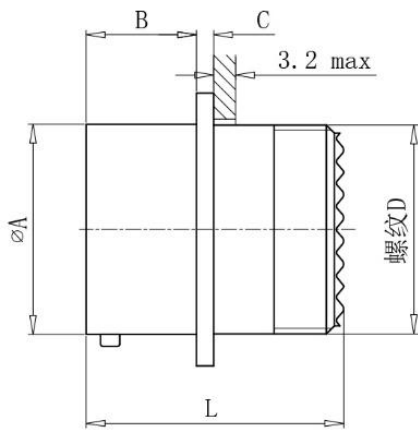
Shell no	L	A	B	C	E	F	S	N	d	P	Screw thread DUNEF-2A
08	27.3	12.04	17.5	2.5	24.0	27.2	19.2	4.8	14.6	13.7	0.5000-20
10	27.3	15.00	17.5	2.5	27.0	30.4	22.5	4.8	17.8	16.9	0.6250-24
12	27.3	19.07	17.5	2.5	32.0	35.2	27.9	4.8	22.8	21.0	0.7500-20
14	27.3	22.25	17.5	2.5	35.0	38.3	30.5	4.8	25.7	24.1	0.8750-20
16	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

JY3470 Narrow flange mounting receptacle



Cross-Reference & Compatibility

Compatible Brands	Equivalents	Mates
MIL-DTL-26482 Series II	MS3470	MS3475, MS3476
Aero/Conesys	AE770	AE775,AE776
Amphenol	MB10	MB16,MB18
Deutsch	AFD50	AFD56,AFD57
Souriau	8526-0	8526-5, 8526-6



Receptacle Dimensions

Shell no	L	A	B	C	E	F	T	d	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