

Datasheet

MIL-C-26482 I series connectors

MIL-C-26482 I series connectors

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■Brief Introduction

1. According to the structure of MIL-C-26482 series I
2. quick bayonet coupling
3. solder connection
4. small volume, high contact density, withstanding environment
5. widely used in military system and commercial fields

■Specification

Ambient Temperature Range	-55℃ ~ +125℃	
frequency	10~2000 Hz、147 m/s ²	
Shock	490 m/s ²	
Salty spray	500 hours(L class); 48 hours(A class)	
Durability	500 times	
relative humidity:	95±4% at 40℃	
insulation resistance	≥5000MΩ at 25℃	≥3MΩ at 125℃

contact resistance and current rating:

contact size	operation diameter(mm)	contact resistance(mΩ)	current rating(A)
20#	Φ 1.0	≤5	7.5
16#	Φ 1.6	≤2.5	13

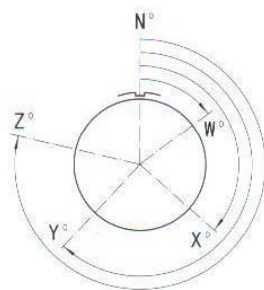
operation voltage and withstanding voltage: V

operation level*	operation voltage		withstanding voltage	
	I	II	I	II
sea level	600	1000	1500	2300
21336m	300	450	375	500

* Different insert arrangements have different operation classes. Please see the key polarization.

■Polarization

shell size	insert code	operation level 1	operation level 2	angle				
				N	W	X	Y	Z
08	08-2	✓		0	60	210	---	---
	08-33	✓		0	90	---	---	---
	08-98	✓		0	---	---	---	---
	08-4	✓		0	45	---	---	---
10	10-6	✓		0	90	---	---	---
	10-98	✓		0	90	180	240	270
12	12-10	✓		0	60	155	270	295
	12-8	✓		0	90	112	203	292
	12-3		✓	0	---	---	180	---
14	14-19	✓		0	30	165	315	---
	14-18	✓		0	15	90	180	270
	14-15	✓		0	17	110	155	234
	14-12	✓		0	43	90	---	---
	14-5		✓	0	40	92	184	273
16	16-26	✓		0	60	---	275	338
	16-23	✓		0	158	270	---	---
	16-8		✓	0	54	152	180	331
18	18-32	✓		0	85	138	222	265
	18-11		✓	0	62	119	241	340
	18-30	✓		0	180	193	285	350
20	20-41	✓		0	45	126	225	---
	20-39	✓		0	63	144	252	333
	20-16		✓	0	238	318	333	347
	20-24	✓		0	70	145	215	290
	20-27	✓		0	72	144	216	288
22	22-55	✓		0	30	142	226	314
	22-41	✓		0	39	135	264	---
	22-21		✓	0	16	135	175	349
	22-34	✓		0	62	142	218	298
	22-32	✓		0	72	145	215	288
24	24-61	✓		0	90	180	270	324
	24-31	✓		0	90	225	255	---

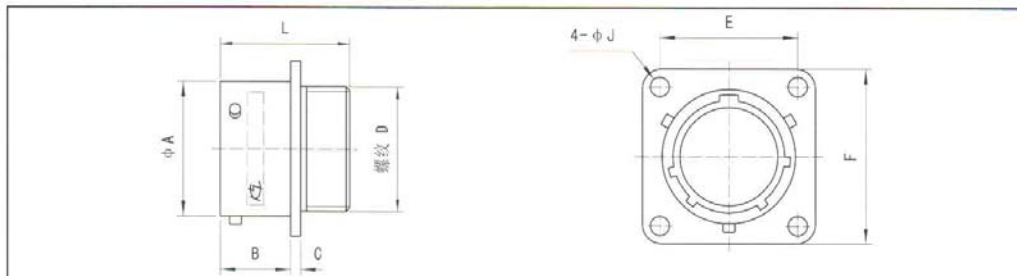


■Contact Arrangements

shell	33	98	2	4	
08	 3-20#	 3-20#	 2-20#	 4-20#	
10	 6-20#	 6-20#			
12	 10-20#	 3-16#	 8-20#	 4-16#	
14	 19-20#	 18-20#	 14-20# 1-16#	 8-20# 4-16#	 5-16#
16	 26-20#	 22-20# 1-16#	 8-16#		
18	 32-20#	 29-20# 1-16#	 11-16#		
20	 41-20#	 24-20#	 27-20#	 37-20# 2-16#	 16-16#
22	 55-20#	 34-20#	 32-20#	 27-20# 14-16#	 21-16#
24	 61-20#	 31-16#			

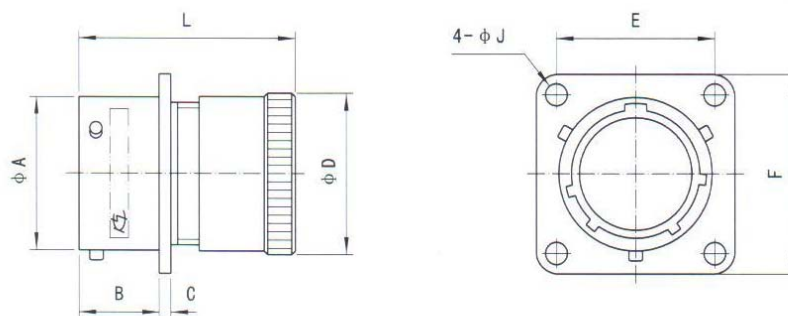
■Product Outline Dimensions

MS3110R



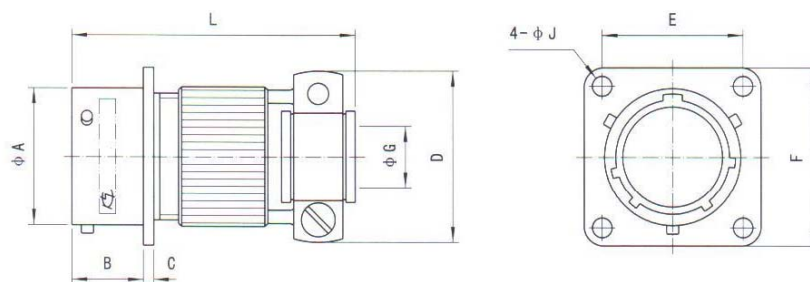
shell	L (Max)	A	B (Max)	C (Max)	E	F (Max)	J	Thread D UNEF-2A
8	20.5	12.04	11.7	1.7	15.09	20.99	3.2	0.4375-28
10	20.5	15.0	11.7	1.7	18.26	24.19	3.2	0.5625-24
12	20.5	19.07	11.7	1.7	20.62	26.54	3.2	0.6875-24
14	20.5	22.25	11.7	1.7	23.0	28.89	3.2	0.8125-20
16	20.5	25.43	11.7	1.7	24.61	31.29	3.2	0.9375-20
18	20.5	28.6	11.7	1.7	26.97	33.69	3.2	1.0625-18
20	23.8	31.78	14.3	2.5	29.36	36.89	3.2	1.1875-18
22	23.8	34.95	14.3	2.5	31.75	39.99	3.2	1.3125-18
24	23.8	38.13	15.2	2.5	34.92	43.15	3.8	1.4375-18

MS3110E



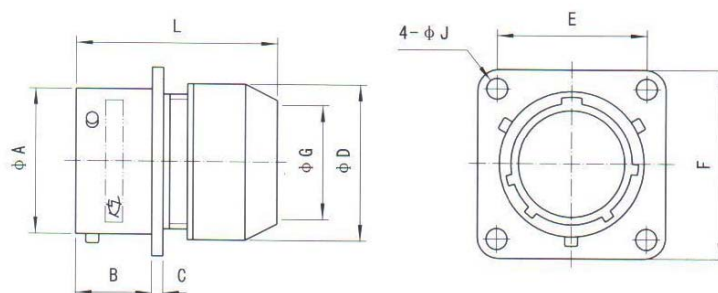
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	E	F (Max)	J
8	32.7	12.04	11.7	1.7	13.5	15.09	20.99	3.2
10	32.7	15.00	11.7	1.7	16.7	18.26	24.19	3.2
12	32.7	19.07	11.7	1.7	19.9	20.62	26.54	3.2
14	32.7	22.25	11.7	1.7	23.4	23.00	28.89	3.2
16	32.7	25.43	11.7	1.7	26.6	24.61	31.29	3.2
18	32.7	28.60	11.7	1.7	29.5	26.97	33.69	3.2
20	34.5	31.78	14.35	2.5	32.7	29.36	36.89	3.2
22	34.5	34.95	14.35	2.5	36.0	31.75	39.99	3.2
24	34.5	38.13	15.20	2.5	39.1	34.92	43.15	3.8

MS3110F



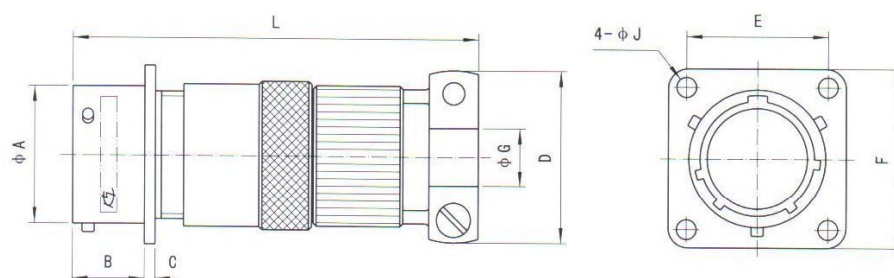
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	E	F (Max)	G	J
8	48.0	12.04	11.7	1.7	19.9	15.09	20.99	3.5	3.2
10	48.0	15.00	11.7	1.7	21.5	18.26	24.19	5.0	3.2
12	48.0	19.07	11.7	1.7	25.0	20.62	26.54	8.2	3.2
14	48.0	22.25	11.7	1.7	27.8	23.00	28.89	10.0	3.2
16	51.0	25.43	11.7	1.7	29.4	24.61	31.29	13.0	3.2
18	51.0	28.60	11.7	1.7	35.3	26.97	33.69	16.0	3.2
20	53.0	31.78	14.35	2.5	35.3	29.36	36.89	16.0	3.2
22	53.0	34.95	14.35	2.5	41.1	31.75	39.99	19.3	3.2
24	53.0	38.13	15.20	2.5	42.4	34.92	43.15	20.6	3.8

MS3110P



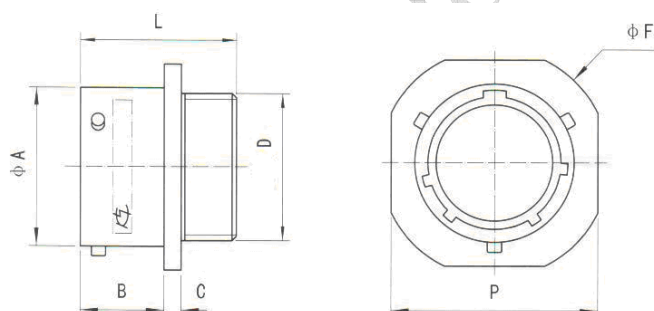
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	E	F (Max)	G	J
8	36.2	12.04	11.7	1.7	15.34	15.09	20.99	10.46	3.2
10	36.2	15.00	11.7	1.7	17.70	18.26	24.19	13.55	3.2
12	36.2	19.07	11.7	1.7	21.69	20.62	26.54	13.96	3.2
14	36.2	22.25	11.7	1.7	23.90	23.00	28.89	17.42	3.2
16	36.2	25.43	11.7	1.7	27.00	24.61	31.29	20.56	3.2
18	36.9	28.60	11.7	1.7	30.50	26.97	33.69	23.66	3.2
20	43.8	31.78	14.35	2.5	33.65	29.36	36.89	23.92	3.2
22	43.8	34.95	14.35	2.5	37.10	31.75	39.99	25.52	3.2
24	43.8	38.13	15.20	2.5	40.00	34.92	43.15	32.00	3.8

MS3110J



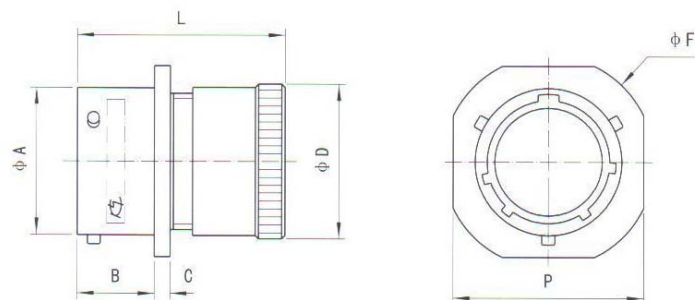
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	E	F (Max)	G ± 0.4	J
8	57.6	12.04	11.7	1.7	19.9	15.09	20.99	5.4	3.2
10	57.6	15.00	11.7	1.7	21.5	18.26	24.19	6.4	3.2
12	61.2	19.07	11.7	1.7	25.0	20.62	26.54	9.8	3.2
14	66.0	22.25	11.7	1.7	27.8	23.00	28.89	11.7	3.2
16	74.7	25.43	11.7	1.7	29.4	24.61	31.29	15.1	3.2
18	80.5	28.60	11.7	1.7	35.3	26.97	33.69	16.4	3.2
20	91.6	31.78	14.35	2.5	35.3	29.36	36.89	17.3	3.2
22	95.6	34.95	14.35	2.5	41.1	31.75	39.99	18.2	3.2
24	101.2	38.13	15.20	2.5	42.4	34.92	43.15	20.0	3.8

MS3111R



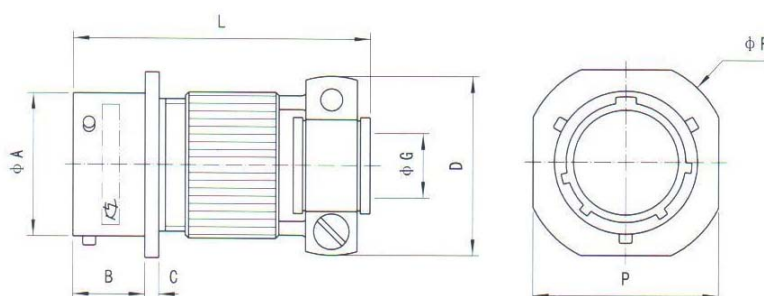
shell	L (Max)	A	B (Max)	C (Max)	F (Max)	P	Thread D UNEF-2A
8	20.5	12.04	10.6	2.4	24.24	20.99	0.4375-28
10	20.5	15.0	10.6	2.4	27.44	24.19	0.5625-24
12	20.5	19.07	10.6	2.4	29.79	26.54	0.6875-24
14	20.5	22.25	10.6	2.4	32.10	28.89	0.8125-20
16	20.5	25.43	10.6	2.4	34.59	31.29	0.9375-20
18	20.5	28.6	10.6	2.4	36.94	33.69	1.0625-18
20	23.8	31.78	13.8	2.9	40.14	36.89	1.1875-18
22	23.8	34.95	13.8	2.9	43.24	40.0	1.3125-18
24	23.8	38.13	14.7	2.9	46.44	43.29	1.4375-18

MS3111E



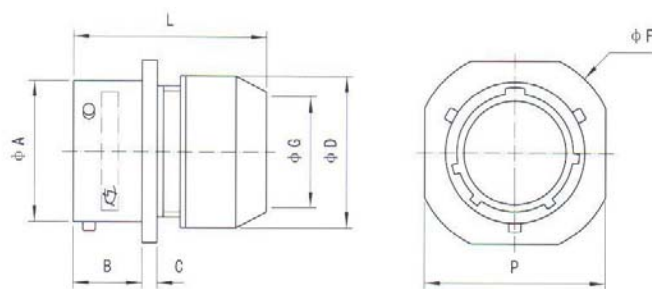
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	F (Max)	P (Max)
8	32.7	12.04	10.6	2.4	13.5	24.24	20.99
10	32.7	15.00	10.6	2.4	16.7	27.44	24.19
12	32.7	19.07	10.6	2.4	19.9	29.79	26.54
14	32.7	22.25	10.6	2.4	23.4	32.10	28.89
16	32.7	25.43	10.6	2.4	26.6	34.59	31.29
18	32.7	28.60	10.6	2.4	29.5	36.94	33.69
20	34.5	31.78	13.8	2.9	32.7	40.14	36.89
22	34.5	34.95	13.8	2.9	36.0	43.24	40.00
24	34.5	38.13	14.7	2.9	39.1	46.44	43.29

MS3111F



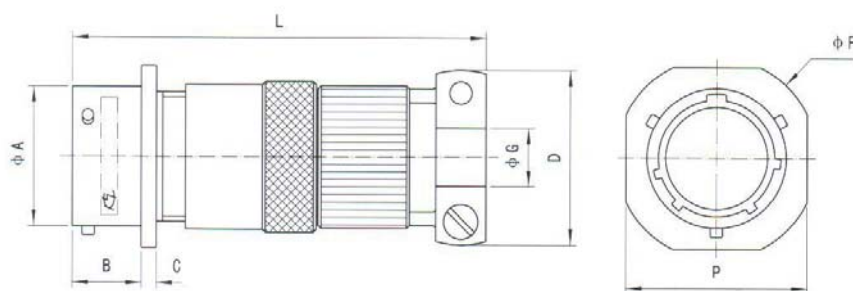
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	G (Max)	F (Max)	P (Max)
8	48.0	12.04	10.6	2.4	19.9	3.5	24.24	20.99
10	48.0	15.00	10.6	2.4	21.5	5.0	27.44	24.19
12	48.0	19.07	10.6	2.4	25.0	8.2	29.79	26.54
14	48.0	22.25	10.6	2.4	27.8	10.0	32.10	28.89
16	51.0	25.43	10.6	2.4	29.4	13.0	34.59	31.29
18	51.0	28.60	10.6	2.4	35.3	16.0	36.94	33.69
20	53.0	31.78	13.8	2.9	35.3	16.0	40.14	36.89
22	53.0	34.95	13.8	2.9	41.1	19.3	43.24	40.00
24	53.0	38.13	14.7	2.9	42.4	20.6	46.44	43.29

MS3111P



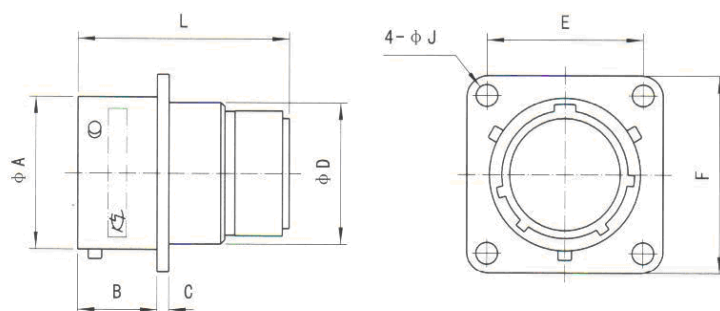
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	G (Max)	F (Max)	P (Max)
8	36.2	12.04	10.6	2.4	15.34	10.46	24.24	20.99
10	36.2	15.00	10.6	2.4	17.70	13.55	27.44	24.19
12	36.2	19.07	10.6	2.4	21.69	13.96	29.79	26.54
14	36.2	22.25	10.6	2.4	23.90	17.42	32.10	28.89
16	36.2	25.43	10.6	2.4	27.00	20.56	34.59	31.29
18	36.9	28.60	10.6	2.4	30.50	23.66	36.94	33.69
20	43.8	31.78	13.8	2.9	33.65	23.92	40.14	36.89
22	43.8	34.95	13.8	2.9	37.10	25.52	43.24	40.00
24	43.8	38.13	14.7	2.9	40.00	32.00	46.44	43.29

MS3111J



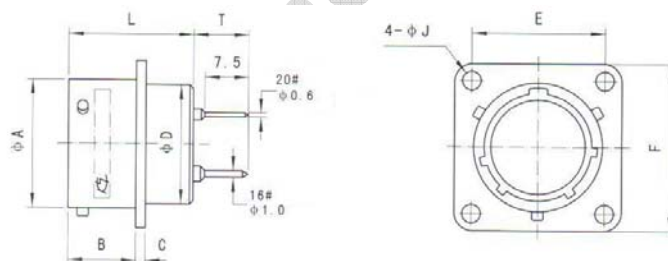
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	G ± 0.4	F (Max)	P (Max)
8	57.6	12.04	10.6	2.4	19.9	5.4	24.24	20.99
10	57.6	15.00	10.6	2.4	21.5	6.4	27.44	24.19
12	61.2	19.07	10.6	2.4	25.0	9.8	29.79	26.54
14	66.0	22.25	10.6	2.4	27.8	11.7	32.10	28.89
16	74.7	25.43	10.6	2.4	29.4	15.1	34.59	31.29
18	80.5	28.60	10.6	2.4	35.3	16.4	36.94	33.69
20	91.6	31.78	13.8	2.9	35.3	17.3	40.14	36.89
22	95.6	34.95	13.8	2.9	41.1	18.2	43.24	40.00
24	101.2	38.13	14.7	2.9	42.4	20.0	46.44	43.29

MS3112E



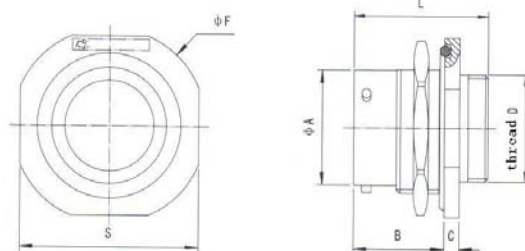
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	E	F (Max)	J
8	30.55	12.04	11.7	1.7	10.84	15.09	20.99	3.2
10	30.55	15.00	11.7	1.7	13.99	18.26	24.19	3.2
12	30.55	19.07	11.7	1.7	17.37	20.62	26.54	3.2
14	30.55	22.25	11.7	1.7	20.57	23.00	28.89	3.2
16	30.55	25.43	11.7	1.7	23.72	24.61	31.29	3.2
18	30.55	28.60	11.7	1.7	26.69	26.97	33.69	3.2
20	32.15	31.78	14.35	2.5	29.89	29.36	36.89	3.2
22	32.15	34.95	14.35	2.5	33.04	31.75	39.99	3.2
24	32.15	38.13	15.20	2.5	36.24	34.92	43.15	3.8

MS3112B



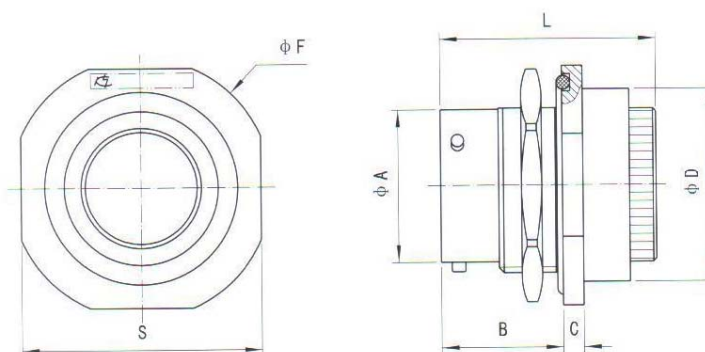
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	T (Max)	E	F (Max)	J
8	20.5	12.04	11.7	1.7	10.84	9.46	15.09	20.99	3.2
10	20.5	15.00	11.7	1.7	13.99	9.46	18.26	24.19	3.2
12	20.5	19.07	11.7	1.7	17.37	9.46	20.62	26.54	3.2
14	20.5	22.25	11.7	1.7	20.57	9.46	23.00	28.89	3.2
16	20.5	25.43	11.7	1.7	23.72	9.46	24.61	31.29	3.2
18	20.5	28.60	11.7	1.7	26.69	9.46	26.97	33.69	3.2
20	23.8	31.78	14.35	2.5	29.89	7.76	29.36	36.89	3.2
22	23.8	34.95	14.35	2.5	33.04	7.76	31.75	39.99	3.2
24	23.8	38.13	15.20	2.5	36.24	7.76	34.92	43.15	3.5

MS3114R



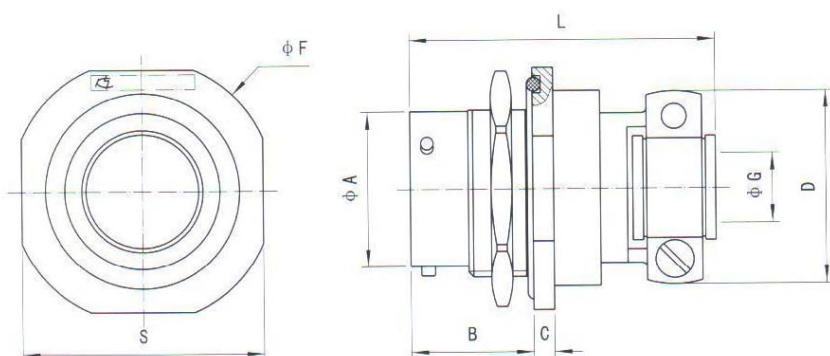
shell	L (Max)	A	B (Max)	C (Max)	F (Max)	S (Max)	thread D UNEF-2A
8	27.5	12.04	17.9	3.0	26.94	23.94	0.4375-28
10	27.5	15.00	17.9	3.0	30.14	26.94	0.5625-24
12	27.5	19.07	17.9	3.0	34.94	31.74	0.6875-24
14	27.5	22.25	17.9	3.0	38.04	34.94	0.8125-20
16	27.5	25.43	17.9	3.0	41.24	38.24	0.9375-20
18	27.5	28.60	17.9	3.0	44.44	41.34	1.0625-18
20	32.8	31.78	22.4	3.8	49.14	46.04	1.1875-18
22	32.8	34.95	22.4	3.8	52.24	49.24	1.3125-18
24	32.8	38.13	23.3	3.8	55.54	52.74	1.4375-18

MS3114E



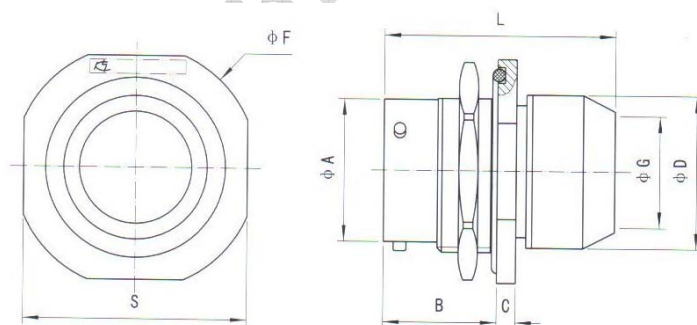
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	F (Max)	S (Max)
8	34.1	12.04	17.9	3.0	18.5	26.94	23.94
10	34.1	15.00	17.9	3.0	21.7	30.14	26.94
12	34.1	19.07	17.9	3.0	24.9	34.94	31.74
14	34.1	22.25	17.9	3.0	28.1	38.04	34.94
16	34.1	25.43	17.9	3.0	31.2	41.24	38.24
18	34.1	28.60	17.9	3.0	34.4	44.44	41.34
20	39.3	31.78	22.45	3.8	38.3	49.14	46.04
22	39.3	34.95	22.45	3.8	41.5	52.24	49.24
24	39.3	38.13	23.30	3.8	44.7	55.54	52.74

MS3114F



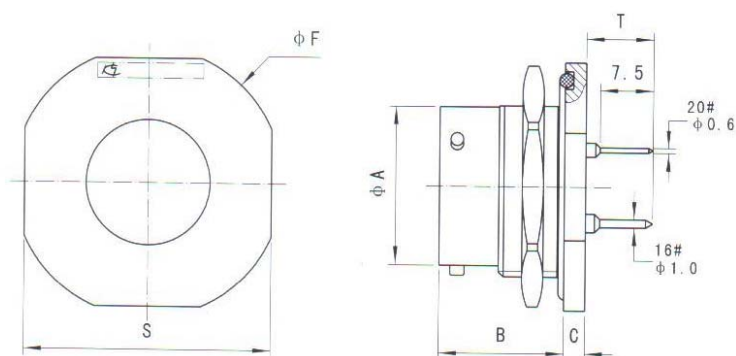
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	G (Max)	F (Max)	S (Max)
8	49.31	12.04	17.9	3.0	19.9	3.5	26.94	23.94
10	49.31	15.00	17.9	3.0	21.5	5.0	30.14	26.94
12	49.17	19.07	17.9	3.0	25.0	8.2	34.94	31.74
14	49.17	22.25	17.9	3.0	27.8	10.0	38.04	34.94
16	52.34	25.43	17.9	3.0	29.4	13.0	41.24	38.24
18	53.22	28.60	17.9	3.0	35.3	16.0	44.44	41.34
20	58.10	31.78	22.45	3.8	35.3	16.0	49.14	46.04
22	58.10	34.95	22.45	3.8	41.1	19.3	52.24	49.24
24	58.10	38.13	23.30	3.8	42.4	20.6	55.54	52.74

MS3114P



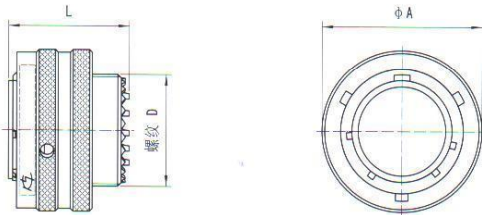
shell	L (Max)	A	B (Max)	C (Max)	D (Max)	G (Max)	F (Max)	S (Max)
8	34.3	12.04	17.9	3.0	15.34	10.46	26.94	23.94
10	34.3	15.00	17.9	3.0	17.70	13.55	30.14	26.94
12	34.3	19.07	17.9	3.0	21.69	13.96	34.94	31.74
14	34.3	22.25	17.9	3.0	23.90	17.42	38.04	34.94
16	34.3	25.43	17.9	3.0	27.00	20.56	41.24	38.24
18	34.1	28.60	17.9	3.0	30.50	23.66	44.44	41.34
20	42.25	31.78	22.45	3.8	33.65	23.92	49.14	46.04
22	42.25	34.95	22.45	3.8	37.10	25.52	52.24	49.24
24	43.26	38.13	23.30	3.8	40.00	32.00	55.54	52.74

MS3114B



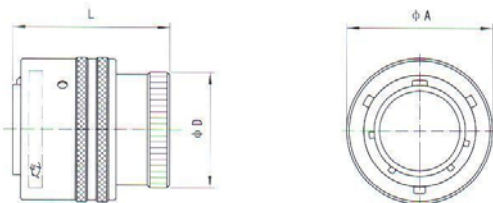
shell	A	B (Max)	C (Max)	T (Max)	F (Max)	S (Max)
8	12.04	17.9	3.0	9.46	26.94	23.94
10	15.00	17.9	3.0	9.46	30.14	26.94
12	19.07	17.9	3.0	9.46	34.94	31.74
14	22.25	17.9	3.0	9.46	38.04	34.94
16	25.43	17.9	3.0	9.46	41.24	38.24
18	28.60	17.9	3.0	9.46	44.44	41.34
20	31.78	22.45	3.8	8.49	49.14	46.04
22	34.95	22.45	3.8	8.49	52.24	49.24
24	38.13	23.30	3.8	7.79	55.54	52.74

MS3116R



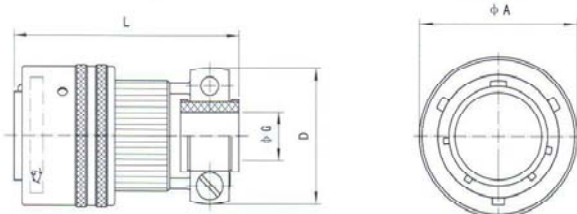
shell	8	10	12	14	16	18	20	22	24
L (Max)	21.5	21.5	21.5	21.5	21.5	21.5	23.1	23.1	23.1
A	19.05	21.8	26.15	29.35	32.50	35.30	38.85	42.05	45.10
thread D UNE-F-2A	0.4375-28	0.5625-24	0.6875-24	0.8125-20	0.9375-20	1.0625-18	1.1875-18	1.3125-18	1.4375-18

MS3116E



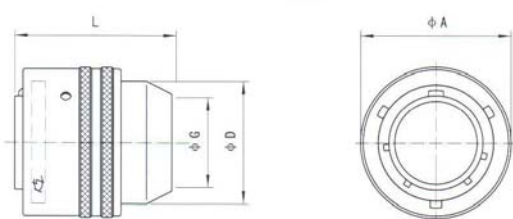
shell	8	10	12	14	16	18	20	22	24
L (Max)	32.5	32.5	32.5	32.5	32.5	32.5	33.3	33.3	33.3
A (Max)	19.05	21.8	26.15	29.35	32.50	35.30	38.85	42.05	45.10
D (Max)	13.5	16.7	19.9	23.4	26.6	29.5	32.7	36.0	39.1

MS3116F



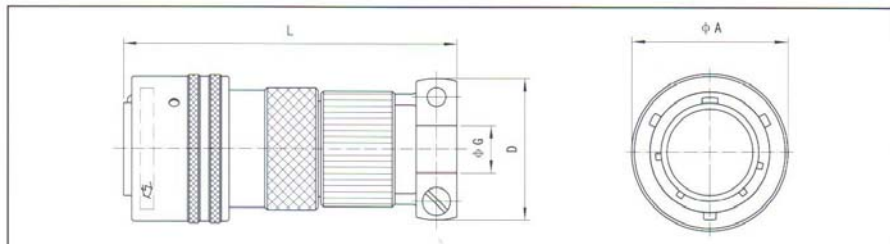
shell	8	10	12	14	16	18	20	22	24
L (Max)	48.0	48.0	48.0	48.0	51.0	51.0	52.0	52.0	52.0
A (Max)	19.05	21.80	26.15	29.35	32.50	35.30	38.85	42.05	45.10
D (Max)	19.9	21.5	25.0	27.8	29.4	35.3	35.3	41.1	42.4
G (Max)	3.5	5.0	8.2	10.0	13.0	16.0	16.0	19.3	20.6

MS3116P



shell	8	10	12	14	16	18	20	22	24
L (Max)	36.2	36.2	36.2	36.2	36.2	37.7	42.4	42.4	42.8
A (Max)	19.05	21.80	26.15	29.35	32.50	35.30	38.85	42.05	45.10
D (Max)	15.34	17.70	21.69	23.90	27.00	30.50	33.65	37.10	40.00
G (Max)	10.46	13.55	13.96	17.42	20.56	23.66	23.92	25.52	32.00

MS3116J



shell	8	10	12	14	16	18	20	22	24
L (Max)	57.6	57.6	61.2	66.0	74.7	80.5	91.6	95.6	101.2
A (Max)	19.05	21.80	26.15	29.35	32.50	35.30	38.85	42.05	45.10
D (Max)	19.9	21.5	25.0	27.8	29.4	35.3	35.3	41.1	42.4
G±0.4	5.4	6.4	9.8	11.7	15.1	16.4	17.3	18.2	20.0

■How To Order

MS 3110 E 14- 32 P N L

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①: MS—Series Prefix

②: type:3110-wall mounting receptacle

3111-cable connecting receptacle

3112-box mounting receptacle

3114- jam nut receptacle

3116- straight plug

③: Service class: E-interfacial seal and electric shell

F- interfacial seal, electric shell and clamp assembly for cable

P-potting seal and clamp assembly for cable

J- potting seal for cable and clamp assembly for cable

B-for PCB

R-without trail assembly

④: Shell size :08-10-12-14-16-18-20-22-24

⑤: Insert arrangement: Please see the figure of insert arrangement

⑥: Contact :P-pin contact ,S-socket contact

⑦: Key: N- normal key; W、X、Y、Z- alternative key

⑧: shell plating: blank- olive brown cadmium plate

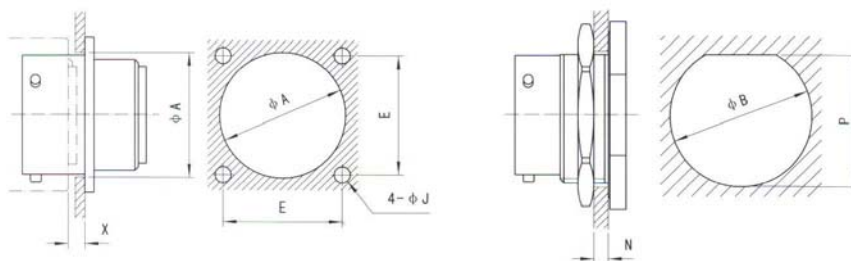
L-electroless nickel plating

A-anodic black coating

S- stainless steel passivation

B-olive green cadmium plate

■Cut Dimension



shell	A	E	J	X (Max)	B	P	N	
							(Min)	(Max)
8	15.55	15.09	3.2	2.9	14.60	13.75	1.8	5.7
10	18.80	18.26	3.2	2.9	17.75	16.95	1.8	5.7
12	22.15	20.62	3.2	2.9	22.50	21.50	1.8	5.7
14	25.30	23.00	3.2	2.9	25.70	24.20	1.8	5.7
16	28.45	24.61	3.2	2.9	28.85	27.35	1.8	5.7
18	31.65	26.97	3.2	2.9	32.05	30.55	1.8	5.7
20	34.80	29.36	3.2	5.5	35.20	33.70	1.8	8.6
22	38.00	31.75	3.2	5.5	38.40	36.90	1.8	9.6
24	41.20	34.92	3.8	5.5	41.55	40.05	1.8	9.5