

MS Series

MIL-C-5015 Style Connector
ISO 9001/ISO14001



选型说明 (Ordering Information)

Military Nomenclature



HWMS Number shell Style

- HWMS3100-Wall mounting Receptacle 墙式安装插座
- HWMS3101-Cable connecting Plug 电缆连接插座
- HWMS3102-Box mounting Receptacle 盒式安装插座
- HWMS3106-Straight Plug 直插头
- HWMS3108-90°Angle Plug 90° 弯插头

Class

- A-Solid Shell for general, non-environmental applications 固定后部外壳，适用于直插头
- E-With resilient insulator and integral clamp for cable strain relief 扣环密封盒后部壳体拉抗
- F-Same as E, However style 3106 with O-ring seal under the coupling nut 3106F包括密封前垫片，其他类型与E相同
- R-With resilient insulator and shortened, lightweight endbell (additional sealing with O-ring under the coupling nut for shell styles 3106 and 3108) 扣环密封，体积小，长度短

- Shell Size 10SL, 12S, 12, 14S, 14, 16S, 16, 18, 20, 22, 24, 28, 32, 36
- Contact Arrangement 见15-21页
- Contact Style P - Pin Contact S - Socket Contact
- Alternate Insert Position N(Normal), W, X, Y, Z

常用耦合指南 (Mating Face View)



技术资料 (Technical Data)

材质与外壳表面处理 (Standard Materials and Finishes)

Portion 部分	Materials 材质	Finishes 外壳表面处理
外壳 (Shell)	Aluminum alloy 铝合金	Olive drab chromate coating over cadmium or zinc plating.
端子 (Insulator)	Polychloroprene (resilient)铜或铜合金	橄榄绿镀镉或锌镀层
插芯 (contacts)	Brass or Copper alloy 塑料或橡胶	Silver plate 镀银

产品性能 (Electrical Data)

绝缘阻抗 (Insulation Resistance)	5,000MΩ Min.(at 25℃)
工作温度 (Operating Temperature Range)	-55℃ ~ +125℃
插拔次数 (Durability)	500 cycle, mate and unmate

插针服务等级 (Contact Arrangements Service Rating)

Service Rating	Dielectric Withstanding Voltage			Contact Engaging & Separating Force			
	Test Voltage AC(rms)	Operating Voltage		Contact Size	Force in Lbs		
		AC (rms)	DC		Maximum	Average	Minimum
inst.	1,000	200	250	16	3.00	2.06	0.13
A	2,000	500	700	12	5.00	3.50	0.19
D	2,800	900	1,250	8	10.00	-	0.31
E	3,500	1,250	1,750	4	15.00	-	0.63
B	4,500	1,750	2,450	0	20.00	-	0.94
C	7,000	3,000	4,200				

Altitude Voltage Derating Chart 耐电压

Service Rating	Nominal Distance		Standard Sea Level Conditions		Pressure Altitude 70,000 ft	
	Airspace	Creepage	Minimum Flashover Voltage AC(rms)	Test Voltage AC(rms)	Minimum Flashover Voltage AC(rms)	Test Voltage AC(rms)
inst.	1/32	1/16	1400	1,000	325	260
A	1/16	1/8	2800	2,000	450	360
D	1/8	3/16	3600	2,800	500	400
E	3/16	1/4	4500	3,500	550	440
B	1/4	5/16	5700	4,500	600	480
C	5/16	1	8500	7,000	700	560

Contact Size	Pin Contact Dia.	Solder Pot Dia.	Current(A) Rating (Mated With Insulators)	Contact Resistance		Wire Range Accommodations		
				Test Current (A)	Potential Drop Max(mV)	Wire Size (AWG)	Wire Normal Square Size(mm²)	Dielectric Material Outer Dia.
16	1.6	2.0	13A	20A	21	16~22	≤ 1.3	1.7~3.3
12	2.4	3.0	23A	35A	20	12~14	≤ 3.5	2.9~4.3
8	3.6	5.2	46A	60A	12	8~10	≤ 8.0	4.2~6.4
4	5.7	8.5	80A	110A	10	6~4	≤ 22.0	7.0~9.4
0	9.1	12.0	150A	200A	10	0~2	≤ 50.0	10.6~14.0

MIL- C-5015 Style Class A/E/F/R

Wall Mounting Receptacle (MS3100)
墙式安装插座

MS3100 C LASS "A"
可以适应尾部附件比如HWMS3057
排除绝缘垫圈和套管

Can be used with accessories such as HWMS3057 at the endbell.
Excludes grommet and bushing.

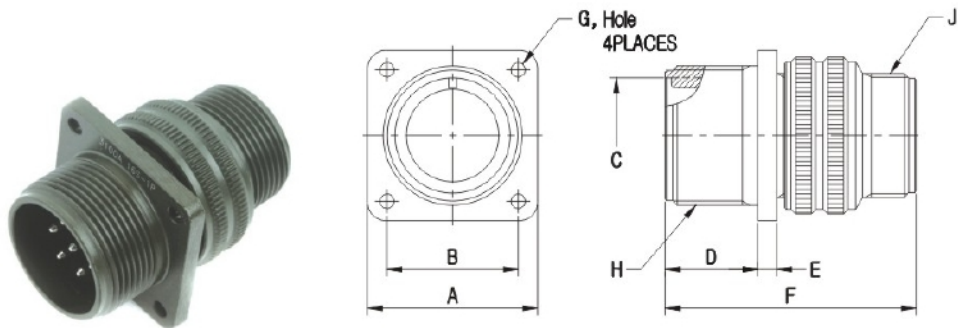


Table with 10 columns: Part Number, A, B, C Dia., D, E, F, G Dia., H Thread., J Thread. Rows include various part numbers like MS3100A10SL-xxxx, MS3100A125-xxxx, etc.

Wall Mounting Receptacle (MS3100)
墙式安装插座

MS3100 CLASS "E", "F"
包含绝缘垫圈和套管

Includes grommet and bushing.

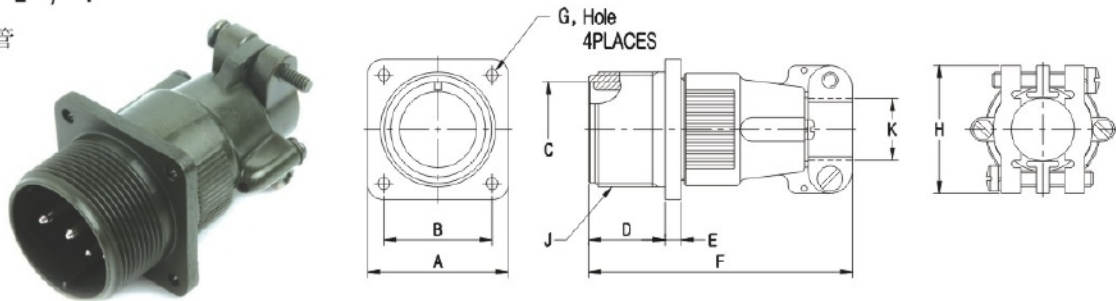


Table with 10 columns: Part Number, A, B, C Dia., D, E, F, G Dia., H, * K Dia., J Thread. Rows include various part numbers like MS3100x10SL-xxxx, MS3100x125-xxxx, etc.

MIL- C-5015 Style Class A/E/F/R

Wall Mounting Receptacle (MS3100)

MS3100 CLASS "R"
包含绝缘垫圈和套管

Includes grommet and bushing.

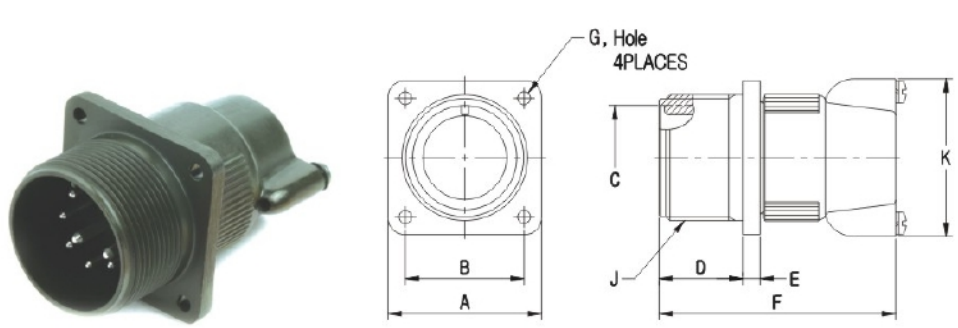


Table with 10 columns: Part Number, A, B, C Dia., D, E, F, G Dia., K, J Thread. Rows include various part numbers like MS3100R10SL-xxxx, MS3100R125-xxxx, etc.

Cable Connecting Plug (MS3101)

MS3101 CLASS "A"
可以适应尾部附件比如HWMS3057
排除绝缘垫圈和套管

Can be used with accessories such as HWMS3057 at the endbell.
Excludes grommet and bushing.

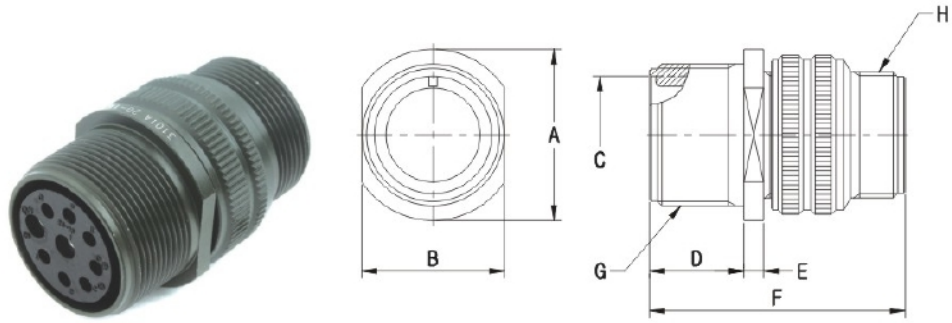
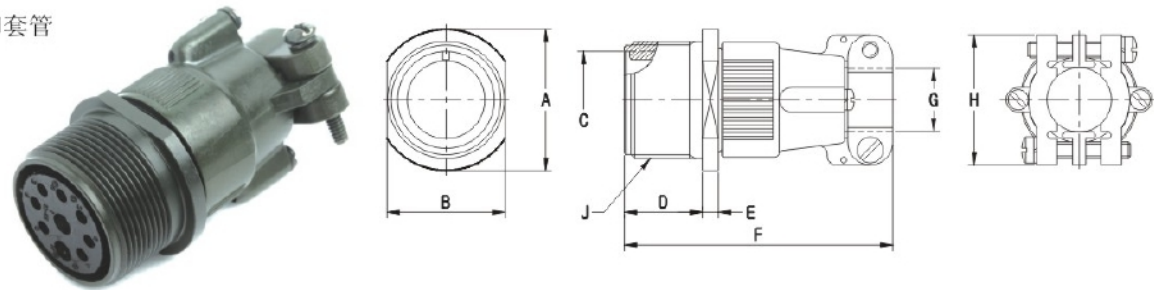


Table with 9 columns: Part Number, A Dia. Max., B Max., C Dia., D, E, F, G Thread., H Thread. Rows include various part numbers like MS3101A10SL-xxxx, MS3101A125-xxxx, etc.

MIL- C-5015 Style Class A/E/F/R

Cable Connecting Plug (MS3101)
电缆连接插座

MS3101 CLASS “E” , “F”
包含绝缘垫圈和套管
Includes grommet and bushing.

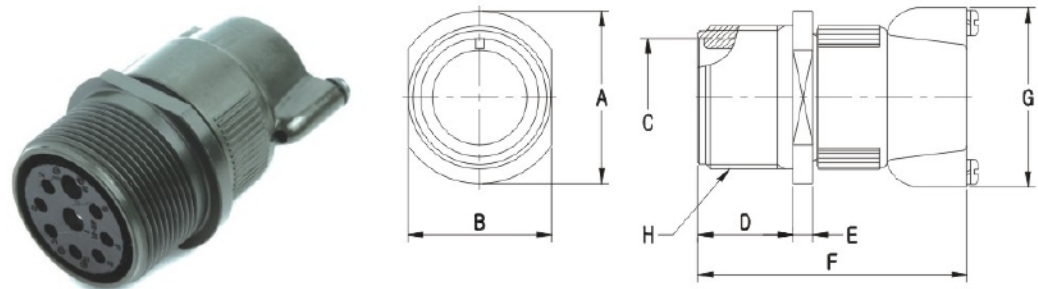


UNIT: mm

Part Number	A Dia. Max.	B Max.	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	* G Dia. Max.	H Max.	J Thread. (Class : 2A)
MS3101x10SL-xxxx	21.8	16.2	11.38	14.28	3.96/1.58	57.15	6.5	22.7	5/8-24UNEF
MS3101x12S-xxxx	25.0	19.3	14.15	14.28	3.96/1.58	57.15	6.5	22.7	3/4-20UNEF
MS3101x12-xxxx	25.0	19.3	14.15	19.05	3.96/1.58	66.68	6.5	22.7	3/4-20UNEF
MS3101x14S-xxxx	28.2	22.5	17.33	14.28	3.96/1.58	57.15	9.0	27.5	7/8-20UNEF
MS3101x14-xxxx	28.2	22.5	17.33	19.05	3.96/1.58	66.68	9.0	27.5	7/8-20UNEF
MS3101x16S-xxxx	31.4	25.6	20.50	14.28	3.96/1.58	57.15	11.0	30.0	1-20UNEF
MS3101x16-xxxx	31.4	25.6	20.50	19.05	3.96/1.58	66.68	11.0	30.0	1-20UNEF
MS3101x18-xxxx	34.5	28.8	23.68	19.05	5.12/2.39	68.28	14.2	32.2	1 1/8-18UNEF
MS3101x20-xxxx	37.6	32.0	26.88	19.05	5.12/2.39	69.85	15.8	37.5	1 1/4-18UNEF
MS3101x22-xxxx	41.0	35.2	30.03	19.05	5.12/2.39	69.85	15.8	37.5	1 3/8-18UNEF
MS3101x24-xxxx	43.8	38.4	33.20	20.63	5.12/2.39	75.41	21.4	43.3	1 1/2-18UNEF
MS3101x28-xxxx	50.5	44.8	38.77	20.63	5.12/2.39	76.99	21.4	43.3	1 3/4-18UNS
MS3101x32-xxxx	57.0	51.2	45.12	22.23	9.11/3.18	76.99	26.7	51.7	2-18UNS
MS3101x36-xxxx	63.2	57.5	50.68	22.23	9.11/3.18	83.34	31.7	58.0	2 1/4-16UN

Cable Connecting Plug (MS3101)
电缆连接插座

MS3101 CLASS “R”
包含绝缘垫圈和套管
Includes grommet and bushing.



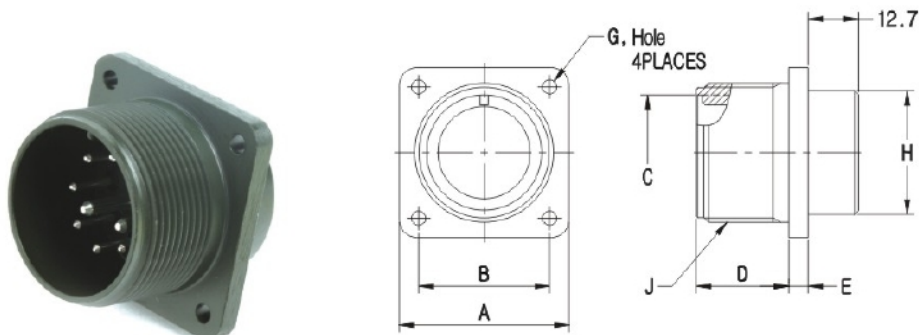
UNIT: mm

Part Number	A Dia. Max.	B Max.	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	G Max.	H Thread. (Class : 2A)
MS3101R10SL-xxxx	21.8	16.2	11.38	14.28	3.96/1.58	46.69	24.4	5/8-24UNEF
MS3101R12S-xxxx	25.0	19.3	14.15	14.28	3.96/1.58	46.69	24.4	3/4-20UNEF
MS3101R12-xxxx	25.0	19.3	14.15	19.05	3.96/1.58	55.40	24.4	3/4-20UNEF
MS3101R14S-xxxx	28.2	22.5	17.33	14.28	3.96/1.58	46.69	29.0	7/8-20UNEF
MS3101R14-xxxx	28.2	22.5	17.33	19.05	3.96/1.58	55.40	29.0	7/8-20UNEF
MS3101R16S-xxxx	31.4	25.6	20.50	14.28	3.96/1.58	46.69	31.5	1-20UNEF
MS3101R16-xxxx	31.4	25.6	20.50	19.05	3.96/1.58	55.40	31.5	1-20UNEF
MS3101R18-xxxx	34.5	28.8	23.68	19.05	5.12/2.39	55.40	36.6	1 1/8-18UNEF
MS3101R20-xxxx	37.6	32.0	26.88	19.05	5.12/2.39	55.40	39.7	1 1/4-18UNEF
MS3101R22-xxxx	41.0	35.2	30.03	19.05	5.12/2.39	55.40	39.7	1 3/8-18UNEF
MS3101R24-xxxx	43.8	38.4	33.20	20.63	5.12/2.39	55.40	47.4	1 1/2-18UNEF
MS3101R28-xxxx	50.5	44.8	38.77	20.63	5.12/2.39	55.40	47.4	1 3/4-18UNS
MS3101R32-xxxx	57.0	51.2	45.12	22.23	9.11/3.18	58.98	55.9	2-18UNS
MS3101R36-xxxx	63.2	57.5	50.68	22.23	9.11/3.18	58.98	60.8	2 1/4-16UN

MIL- C-5015 Style Class A/E/F/R

Box Mounting Receptacle (MS3102)
MS3102 CLASS “E” , “R”

MS3102 CLASS “E” , “R”



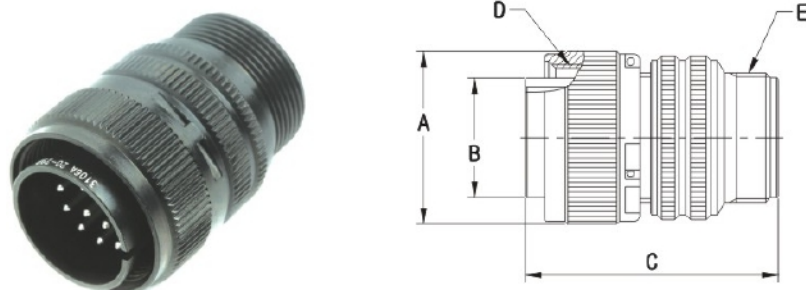
UNIT: mm

Part Number	A ±0.79	B ±0.12	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	G Dia. +0.25 -0.13	H Dia. Max.	J Thread. (Class : 2A)
MS3102x10SL-xxxx	25.40	18.26	11.38	14.28	3.96/1.58	3.05	15.9	5/8-24UNEF
MS3102x12S-xxxx	27.79	20.62	14.15	14.28	3.96/1.58	3.05	15.9	3/4-20UNEF
MS3102x12-xxxx	27.79	20.62	14.15	19.05	3.96/1.58	3.05	15.9	3/4-20UNEF
MS3102x14S-xxxx	30.18	23.01	17.33	14.28	3.96/1.58	3.05	19.0	7/8-20UNEF
MS3102x14-xxxx	30.18	23.01	17.33	19.05	3.96/1.58	3.05	19.0	7/8-20UNEF
MS3102x16S-xxxx	32.54	24.61	20.50	14.28	3.96/1.58	3.05	22.2	1-20UNEF
MS3102x16-xxxx	32.54	24.61	20.50	19.05	3.96/1.58	3.05	22.2	1-20UNEF
MS3102x18-xxxx	34.93	26.97	23.68	19.05	5.12/2.39	3.05	25.4	1 1/8-18UNEF
MS3102x20-xxxx	38.10	29.36	26.88	19.05	5.12/2.39	3.05	29.0	1 1/4-18UNEF
MS3102x22-xxxx	41.28	31.75	30.03	19.05	5.12/2.39	3.05	32.2	1 3/8-18UNEF
MS3102x24-xxxx	44.45	34.93	33.20	20.63	5.12/2.39	3.73	35.3	1 1/2-18UNEF
MS3102x28-xxxx	50.80	39.67	38.77	20.63	5.12/2.39	3.73	41.2	1 3/4-18UNS
MS3102x32-xxxx	57.15	44.45	45.12	22.23	9.11/3.18	4.39	47.6	2-18UNS
MS3102x36-xxxx	63.50	49.23	50.68	22.23	9.11/3.18	4.39	52.4	2 1/4-16UN

Straight Plug (MS3106)
MS3106 CLASS “A”

MS3106 CLASS “A”
可以适应尾部附件比如HWMS3057
排除绝缘垫圈和套管

Can be used with accessories such as
HWMS3057 at the endbell.
Excludes O-Ring, grommet and bushing.



UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Thread. (Class : 2B)	E Thread. (Class : 2A)
MS3106A10SL-xxxx	24.61	11.33	38.88	5/8-24UNEF	5/8-24UNEF
MS3106A12S-xxxx	26.97	14.10	42.87	3/4-20UNEF	5/8-24UNEF
MS3106A12-xxxx	26.97	14.10	52.37	3/4-20UNEF	5/8-24UNEF
MS3106A14S-xxxx	29.36	17.15	42.87	7/8-20UNEF	3/4-20UNEF
MS3106A14-xxxx	29.36	17.15	52.37	7/8-20UNEF	3/4-20UNEF
MS3106A16S-xxxx	31.75	20.45	42.87	1-20UNEF	7/8-20UNEF
MS3106A16-xxxx	31.75	20.45	52.37	1-20UNEF	7/8-20UNEF
MS3106A18-xxxx	34.13	23.62	52.37	1 1/8-18UNEF	1-20UNEF
MS3106A20-xxxx	37.31	26.67	55.57	1 1/4-18UNEF	1 3/16-18UNEF
MS3106A22-xxxx	40.48	29.85	55.57	1 3/8-18UNEF	1 3/16-18UNEF
MS3106A24-xxxx	43.66	33.02	58.72	1 1/2-18UNEF	1 7/16-18UNEF
MS3106A28-xxxx	50.01	38.61	58.72	1 3/4-18UNS	1 7/16-18UNEF
MS3106A32-xxxx	56.36	44.96	61.92	2-18UNS	1 3/4-18UNS
MS3106A36-xxxx	62.71	50.29	61.92	2 1/4-16UN	2-18UNS

MIL- C-5015 Style Class A/E/F/R

Straight Plug (MS3106)

直插头

MS3106 CLASS “E” , “F”

E – 不包含O型圈

F – 包含O型圈

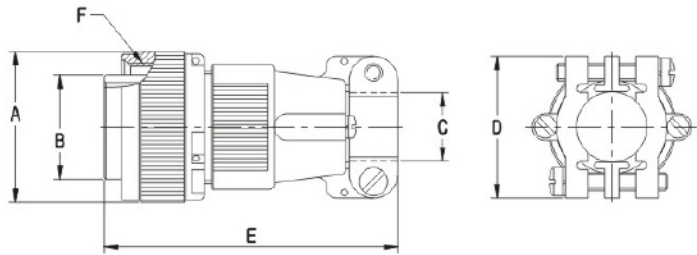
尾部带绝缘垫圈和套管

E - Excludes O-Ring

F - Includes O-Ring

Includes grommet

and bushing.



UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	* C Dia. Max.	D Max.	E Max.	F Thread. (Class : 2B)
MS3106x10SL-xxxx	24.61	11.33	6.5	22.7	57.15	5/8-24UNEF
MS3106x12S-xxxx	26.97	14.10	6.5	22.7	57.15	3/4-20UNEF
MS3106x12-xxxx	26.97	14.10	6.5	22.7	66.68	3/4-20UNEF
MS3106x14S-xxxx	29.36	17.15	9.0	27.5	57.15	7/8-20UNEF
MS3106x14-xxxx	29.36	17.15	9.0	27.5	66.68	7/8-20UNEF
MS3106x16S-xxxx	31.75	20.45	11.0	30.0	57.15	1-20UNEF
MS3106x16-xxxx	31.75	20.45	11.0	30.0	66.68	1-20UNEF
MS3106x18-xxxx	34.13	23.62	14.2	32.2	68.28	1 1/8-18UNEF
MS3106x20-xxxx	37.31	26.67	15.8	37.5	69.85	1 1/4-18UNEF
MS3106x22-xxxx	40.48	29.85	15.8	37.5	69.85	1 3/8-18UNEF
MS3106x24-xxxx	43.66	33.02	21.4	43.3	75.41	1 1/2-18UNEF
MS3106x28-xxxx	50.01	38.61	21.4	43.3	76.99	1 3/4-18UNS
MS3106x32-xxxx	56.36	44.96	26.7	51.7	76.99	2-18UNS
MS3106x36-xxxx	62.71	50.29	31.7	58.0	83.34	2 1/4-16UN

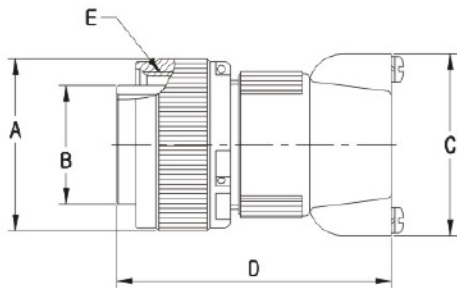
Straight Plug (MS3106)

直插头

MS3106 CLASS “R”

带O型圈、绝缘垫圈和套管

Includes O-Ring, grommet
and bushing.



UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Thread. (Class : 2B)
MS3106R10SL-xxxx	24.61	11.33	24.4	46.69	5/8-24UNEF
MS3106R12S-xxxx	26.97	14.10	24.4	46.69	3/4-20UNEF
MS3106R12-xxxx	26.97	14.10	24.4	55.40	3/4-20UNEF
MS3106R14S-xxxx	29.36	17.15	29.0	46.69	7/8-20UNEF
MS3106R14-xxxx	29.36	17.15	29.0	55.40	7/8-20UNEF
MS3106R16S-xxxx	31.75	20.45	31.5	46.69	1-20UNEF
MS3106R16-xxxx	31.75	20.45	31.5	55.40	1-20UNEF
MS3106R18-xxxx	34.13	23.62	36.6	55.40	1 1/8-18UNEF
MS3106R20-xxxx	37.31	26.67	39.7	55.40	1 1/4-18UNEF
MS3106R22-xxxx	40.48	29.85	39.7	55.40	1 3/8-18UNEF
MS3106R24-xxxx	43.66	33.02	47.4	55.40	1 1/2-18UNEF
MS3106R28-xxxx	50.01	38.61	47.4	55.40	1 3/4-18UNS
MS3106R32-xxxx	56.36	44.96	55.9	58.98	2-18UNS
MS3106R36-xxxx	62.71	50.29	60.8	58.98	2 1/4-16UN

MIL- C-5015 Style Class A/E/F/R

90° Angle plug (MS3108)

90° 弯插头

MS3108 CLASS “A”

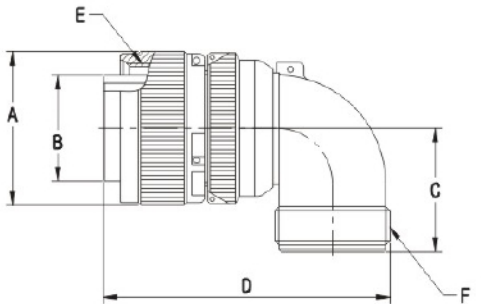
可以适应尾部附件比如HWS3057

包含O型绝缘垫圈和套管

Can be used with accessories such as

HWS3057 at the endbell.

Excludes O-Ring, grommet and bushing.



UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Thread. (Class : 2B)	F Thread. (Class : 2A)
MS3108A10SL-xxxx	24.61	11.33	25.40	55.58	5/8-24UNEF	5/8-24UNEF
MS3108A12S-xxxx	26.97	14.10	26.97	55.58	3/4-20UNEF	5/8-24UNEF
MS3108A12-xxxx	26.97	14.10	26.97	64.29	3/4-20UNEF	5/8-24UNEF
MS3108A14S-xxxx	29.36	17.15	28.57	58.72	7/8-20UNEF	3/4-20UNEF
MS3108A14-xxxx	29.36	17.15	28.57	68.26	7/8-20UNEF	3/4-20UNEF
MS3108A16S-xxxx	31.75	20.45	30.17	61.11	1-20UNEF	7/8-20UNEF
MS3108A16-xxxx	31.75	20.45	30.17	70.64	1-20UNEF	7/8-20UNEF
MS3108A18-xxxx	34.13	23.62	33.32	72.24	1 1/8-18UNEF	1-20UNEF
MS3108A20-xxxx	37.31	26.67	34.92	82.55	1 1/4-18UNEF	1 3/16-18UNEF
MS3108A22-xxxx	40.48	29.85	34.92	82.55	1 3/8-18UNEF	1 3/16-18UNEF
MS3108A24-xxxx	43.66	33.02	39.67	94.46	1 1/2-18UNEF	1 7/16-18UNEF
MS3108A28-xxxx	50.01	38.61	39.67	94.46	1 3/4-18UNS	1 7/16-18UNEF
MS3108A32-xxxx	56.36	44.96	47.62	106.38	2-18UNS	1 3/4-18UNS
MS3108A36-xxxx	62.71	50.29	52.37	109.14	2 1/4-16UN	2-18UNS

90° Angle Plug (MS3108)

90° 弯插头

MS3108 CLASS “E” , “R”

E – 不包含O型圈

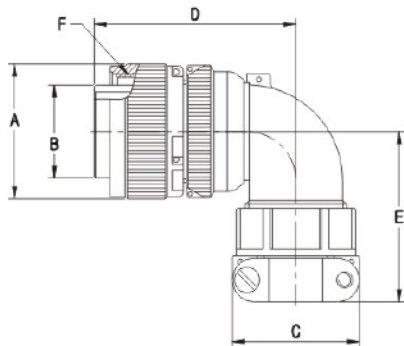
R – 包含O型圈

包含绝缘垫圈和套管

E - Excludes O-Ring

F - Includes O-Ring

Includes grommet and bushing.



UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Max.	F Thread. (Class : 2B)
MS3108x10SL-xxxx	24.61	11.33	22.7	45.0	38.10	5/8-24UNEF
MS3108x12S-xxxx	26.97	14.10	22.7	45.0	38.10	3/4-20UNEF
MS3108x12-xxxx	26.97	14.10	22.7	54.0	38.10	3/4-20UNEF
MS3108x14S-xxxx	29.36	17.15	27.5	47.0	40.49	7/8-20UNEF
MS3108x14-xxxx	29.36	17.15	27.5	55.0	40.49	7/8-20UNEF
MS3108x16S-xxxx	31.75	20.45	30.0	48.0	42.88	1-20UNEF
MS3108x16-xxxx	31.75	20.45	30.0	57.0	42.88	1-20UNEF
MS3108x18-xxxx	34.13	23.62	32.2	58.0	45.24	1 1/8-18UNEF
MS3108x20-xxxx	37.31	26.67	37.5	61.0	50.01	1 1/4-18UNEF
MS3108x22-xxxx	40.48	29.85	37.5	61.0	50.80	1 3/8-18UNEF
MS3108x24-xxxx	43.66	33.02	43.3	66.0	53.97	1 1/2-18UNEF
MS3108x28-xxxx	50.01	38.61	43.3	66.0	55.58	1 3/4-18UNS
MS3108x32-xxxx	56.36	44.96	51.7	72.0	65.89	2-18UNS
MS3108x36-xxxx	62.71	50.29	58.0	75.0	69.06	2 1/4-16UN

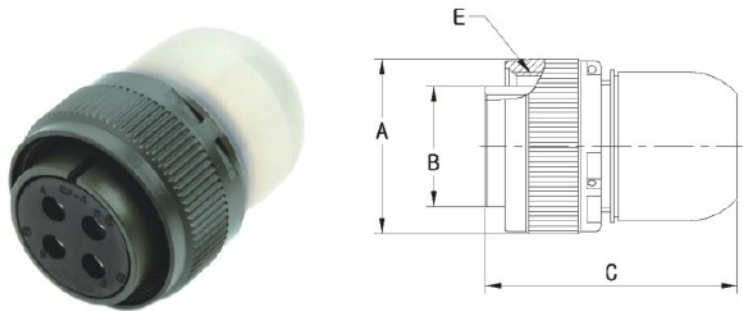
MIL- C-5015 Style

Straight Plug (MS25183)

直插头

MS25183
直插头带O型圈

Pot Type.
Includes O-Ring.



UNIT: mm

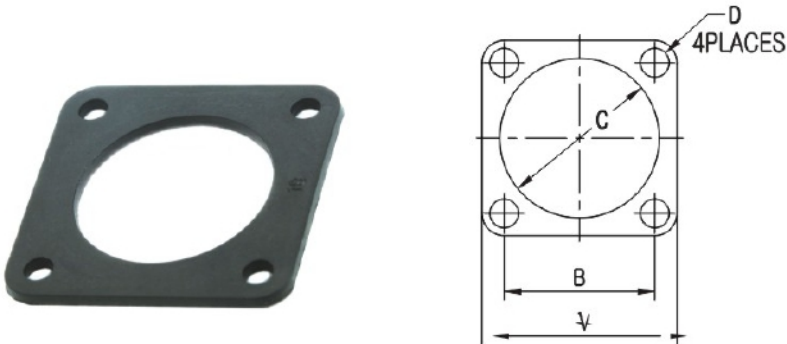
Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	E Thread. (Class : 2B)
MS25183-10SL-xxxx	24.61	11.33	38.10	5/8-24UNEF
MS25183-12S-xxxx	26.97	14.10	38.10	3/4-20UNEF
MS25183-12-xxxx	26.97	14.10	48.41	3/4-20UNEF
MS25183-14S-xxxx	29.36	17.15	38.10	7/8-20UNEF
MS25183-14-xxxx	29.36	17.15	48.41	7/8-20UNEF
MS25183-16S-xxxx	31.75	20.45	38.10	1-20UNEF
MS25183-16-xxxx	31.75	20.45	48.41	1-20UNEF
MS25183-18-xxxx	34.13	23.62	48.41	1 1/8-18UNEF
MS25183-20-xxxx	37.31	26.67	55.52	1 1/4-18UNEF
MS25183-22-xxxx	40.48	29.85	55.52	1 3/8-18UNEF
MS25183-24-xxxx	43.66	33.02	55.52	1 1/2-18UNEF
MS25183-28-xxxx	50.01	38.61	55.52	1 3/4-18UNS
MS25183-32-xxxx	56.36	44.96	55.52	2-18UNS
MS25183-36-xxxx	62.71	50.29	55.52	2 1/4-16UN

MIL- C-5015 Style Aecessories

Sealing Gasket (MS52000)

橡胶垫片

MS 52000 - 1
Size 尺寸
Part Number 产品型号



UNIT: mm

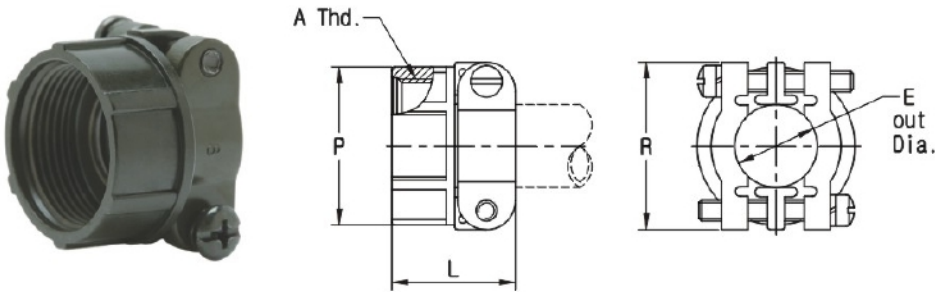
Part Number	Shell Size	A +0.40 -0.00	B ±0.25	C Dia. +0.4 -0.0	D Dia. ±0.25
MS52000-1	10SL	25.40	18.26	15.88	4.37
MS52000-2	12	27.79	20.62	19.05	4.37
MS52000-3	14	30.18	23.01	22.23	4.37
MS52000-4	16	32.54	24.61	25.40	4.37
MS52000-5	18	34.93	26.97	28.58	5.16
MS52000-6	20	38.10	29.36	31.75	5.16
MS52000-7	22	41.28	31.75	34.93	5.16
MS52000-8	24	44.45	34.93	38.10	5.16
MS52000-9	28	50.80	39.67	44.45	5.16
MS52000-10	32	57.15	44.45	50.80	5.66
MS52000-11	36	63.50	49.23	57.05	5.66

MIL- C-5015 Style Aecessories

MS3057 (MS3057) Cable Clamp

尾夹

MS 3057 - 4A
Size 尺寸
Part Number 产品型号

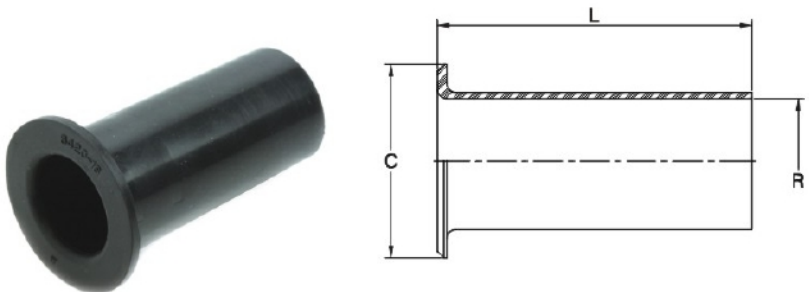


Part Number	Shell Size	E		L ±0.79	P ±0.79	R ±0.79	A Thread (Class : 2B)
		Min.	Max.				
MS3057-4A	10SL,12S,12	3.56	7.92	20.62	20.62	22.22	5/8-24UNEF
MS3057-6A	14S,14	4.95	11.13	22.22	24.61	26.97	3/4-20UNEF
MS3057-8A	16S,16	6.48	14.27	23.83	27.79	29.36	7/8-20UNEF
MS3057-10A	18	7.24	15.88	23.83	30.18	31.75	1-20UNEF
MS3057-12A	20,22	8.89	19.05	23.83	34.92	37.31	1 3/16-18UNEF
MS3057-16A	24,28	11.89	23.83	26.19	42.06	42.88	1 7/16-18UNEF
MS3057-20A	32	16.87	31.75	27.79	51.59	51.59	1 3/4-18UNS
MS3057-24A	36	17.63	34.92	29.36	56.36	57.94	2-18UNS

MS3420 (MS3420) Rubber Bushing

橡胶套管

MS 3420 - 4
Size 尺寸
Part Number 产品型号



Part Number	Shell Size	C ±0.41	L ±0.79	R ±0.41
MS3420-4	10SL,12,12S	12.83	69.85	5.69
MS3420-6	14,14S	15.72	66.68	7.92
MS3420-8	16,16S	18.90	63.50	11.10
MS3420-10	18	22.58	60.32	14.27
MS3420-12	20,22	27.53	57.15	15.88
MS3420-16	24,28	33.38	53.98	19.05
MS3420-20	32	40.54	50.80	23.80
MS3420-24	36	46.91	47.62	31.75

MIL- C-5015 Style Acessories

MS25043 (MS25043) Protective Cap (Receptacle)

插座防尘盖



Part Number	Shell Size	B Max.	C Dia Max.	E ±One Link	D Dia +0.25 -0.13	A Thread (Class : 2B)
MS25043-10D	10S,10SL	11.91	20.70	101.6	3.68	5/8-24UNEF
MS25043-12D	12S,12SL	11.91	25.40	114.3	3.68	3/4-20UNEF
MS25043-14D	14,14S	11.91	25.58	114.3	3.58	7/8-20UNEF
MS25043-16D	16,16S	11.91	30.18	114.3	3.58	1-20UNEF
MS25043-18D	18	11.91	34.14	114.3	3.68	1 1/8-18UNEF
MS25043-20D	20	11.91	37.31	127.0	3.68	1 1/4-18UNEF
MS25043-22D	22	11.91	40.49	127.0	3.68	1 3/8-18UNEF
MS25043-24D	24	11.91	43.68	139.7	4.34	1 1/2-18UNEF
MS25043-28D	28	13.49	50.01	196.9	4.34	1 3/4-18UNS
MS25043-32D	32	13.49	56.38	196.9	4.75	2-18UNS
MS25043-36D	36	13.49	62.71	196.9	4.75	2 1/4-16UN

MS25042 (MS25042) Protective Cap (Plug)

插头防尘盖

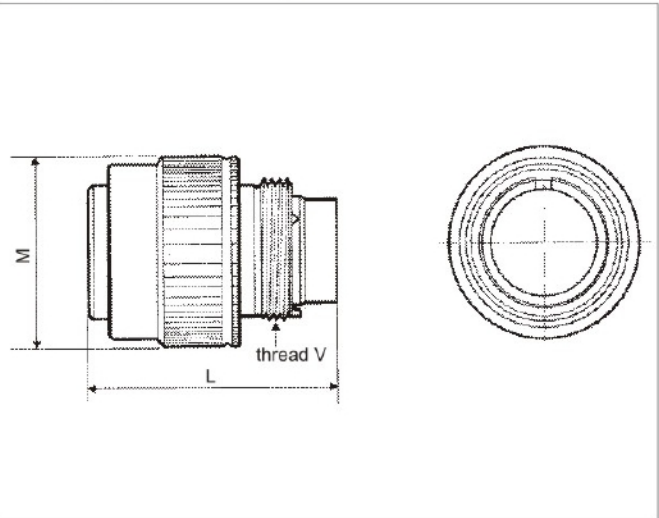


Part Number	Shell Size	B Max.	C Dia Max.	E ±One Link	D Dia +0.25 -0.13	A Thread (Class : 2A)
MS25042-10D	10S,10SL	16.88	17.46	114.30	3.96	5/8-24UNEF
MS25042-12D	12S,12SL	21.44	20.62	127.00	3.96	3/4-20UNEF
MS25042-14D	14,14S	21.44	23.60	127.00	3.96	7/8-20UNEF
MS25042-16D	16S,16SL	21.44	26.97	127.00	3.96	1-20UNEF
MS25042-18D	18	21.44	30.15	127.00	3.96	1 1/8-18UNEF
MS25042-20D	20	21.44	33.32	139.70	4.75	1 1/4-18UNEF
MS25042-22D	22	21.44	36.50	139.70	4.75	1 3/8-18UNEF
MS25042-24D	24	21.44	39.67	152.40	4.75	1 1/2-18UNEF
MS25042-28D	28	21.44	46.02	209.55	4.75	1 3/4-18UNS
MS25042-32D	32	21.44	52.37	209.55	5.54	2-18UNS
MS25042-36D	36	21.44	58.72	209.55	5.54	2 1/4-16UN

5015-2 Series

Dimensions

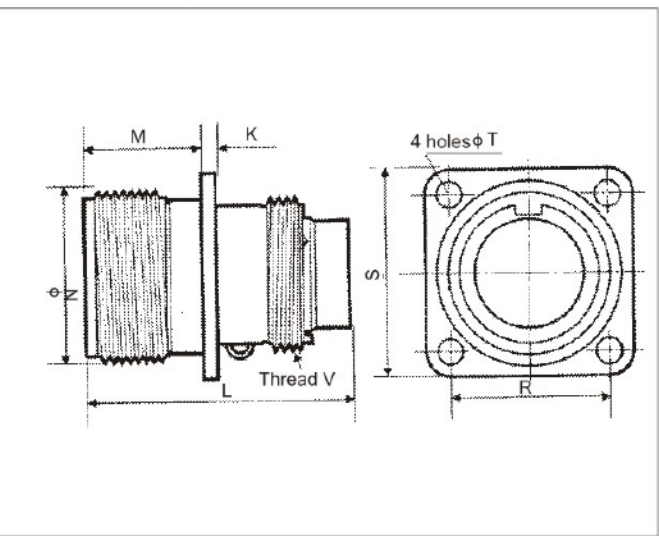
Plugs-type 06 and type 26



shell size	L	M	V
10SL	39 65 1 56	23 50 0 93	5/8"-24 UNEF 2A
12S	39 65 1 56	25 50 1 00	
14S	39 65 1 56	28 00 1 10	3/4"-20 UNEF 2A
16S	39 65 1 56	31 90 1 26	7/8"-20 UNEF 2A
16	44 15 1 74	31 90 1 26	7/8"-20 UNEF 2A
18	44 15 1 74	34 00 1 34	1"-20 UNEF 2A
20	44 15 1 74	37 50 1 48	1 1/16"-18 UNEF 2A
22	44 15 1 74	40 60 1 60	1 1/4"-18 UNEF 2A
24	44 15 1 74	43 80 1 72	1 1/2"-18 UNEF 2A
28	44 15 1 74	50 00 1 97	1 3/4"-18 UNEF 2A

5/8"-24 UNEF 2A for all types except
Rolls-Royce ESC 004 connectors
which have an 11/16"-24 UNEF 2A
thread

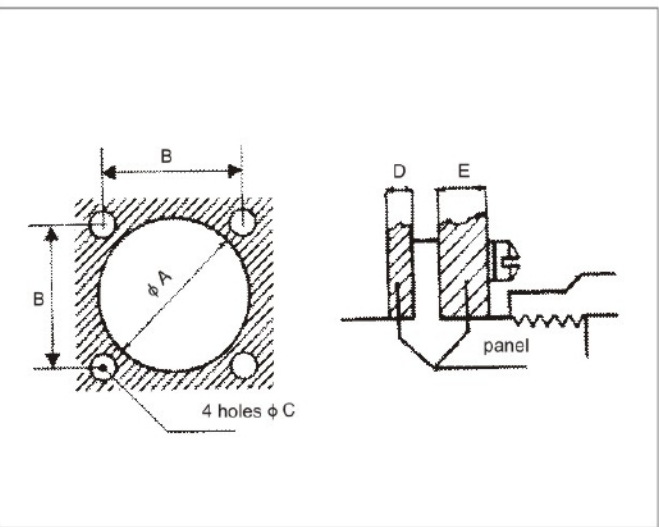
Square flange receptacles-type 00



shell size	K	L	M	N	R	S	T	V
10SL	1 60 06	39 65 1 56	14 90 59	15 84 62	18 25 72	25 25 99	3 80 15	5/8"-24 UNEF 2A
12S	1 60 06	39 65 1 56	14 90 59	19 02 75	20 60 81	27 60 1 09	3 80 15	
14S	1 60 06	39 65 1 56	14 90 59	22 19 87	23 00 91	30 00 1 18	3 80 15	3/4"-20 UNEF 2A
16S	1 60 06	39 65 1 56	14 90 59	25 40 1 00	24 60 97	32 62 1 26	3 80 15	7/8"-20 UNEF 2A
16	1 60 06	44 15 1 74	19 65 77	25 40 1 00	24 60 97	32 62 1 28	3 80 15	7/8"-20 UNEF 2A
18	1 60 06	44 15 1 74	19 65 77	28 50 1 12	26 97 1 06	35 00 1 38	4 60 18	1"-20 UNEF 2A
20	2 00 08	44 15 1 74	19 65 77	31 70 1 25	29 40 1 16	37 40 1 47	4 60 18	1 1/16"-18 UNEF 2A
22	2 00 08	44 15 1 74	19 65 77	34 88 1 37	31 75 1 25	40 80 1 61	4 60 18	1 1/4"-18 UNEF 2A
24	2 00 08	44 15 1 74	20 65 81	38 05 1 50	34 90 1 37	43 90 1 73	4 60 18	1 1/2"-18 UNEF 2A
28	2 00 08	44 15 1 74	20 65 81	44 40 1 75	39 65 1 56	50 65 1 99	4 60 18	1 3/4"-18 UNEF 2A

5/8"-24 NEF 2A for all types except Rolls-Royce ESC 004 connectors which
have an 11/16"-24 NEF 2A thread

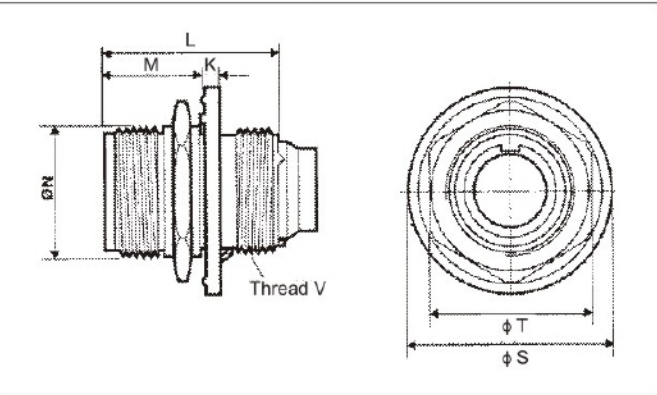
Panel cutout



shell size	front of panel				rear of panel			
	A	B	C	D Max	A	B	C	E Max
10SL	20 50 81	18 25 72	3 80 15	10 00 39	17 00 67	18 25 72	3 80 15	6 0 24
12S	20 50 81	20 60 81	3 80 15	10 00 39	20 20 79	20 60 81	3 80 15	6 0 24
14S	23 50 93	23 00 91	3 80 15	10 00 39	23 40 92	23 00 91	3 80 15	6 0 24
16S	26 50 1 04	24 60 97	3 80 15	10 00 39	26 60 1 05	24 60 97	3 80 15	6 0 24
16	26 50 1 04	24 60 97	3 80 15	10 00 39	26 60 1 05	24 60 97	3 80 15	5 30 21
18	29 80 1 17	27 00 1 06	4 60 18	10 00 39	29 70 1 17	27 00 1 06	4 60 18	5 30 21
20	34 60 1 36	29 40 1 16	4 60 18	10 00 39	32 90 1 29	29 40 1 16	4 60 18	5 30 21
22	36 20 1 43	31 75 1 25	4 60 18	10 00 39	36 10 1 42	31 75 1 25	4 60 18	5 30 21
24	41 10 1 62	34 90 1 37	4 60 18	10 00 39	39 30 1 55	34 90 1 37	4 60 18	5 30 21
28	46 30 1 82	39 65 1 56	4 60 18	10 00 39	45 60 1 79	39 65 1 56	4 60 18	5 30 21

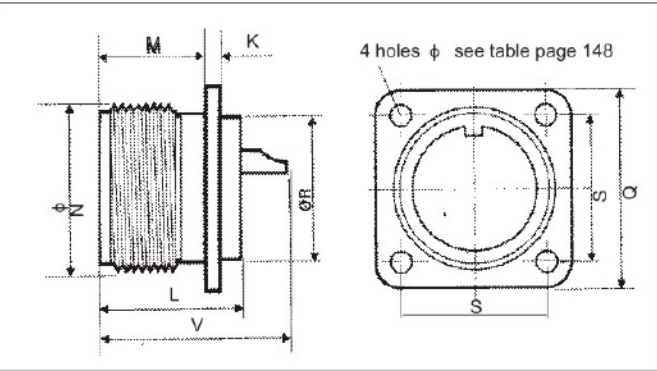
5015-2 Series

Jam nut receptacle type 07



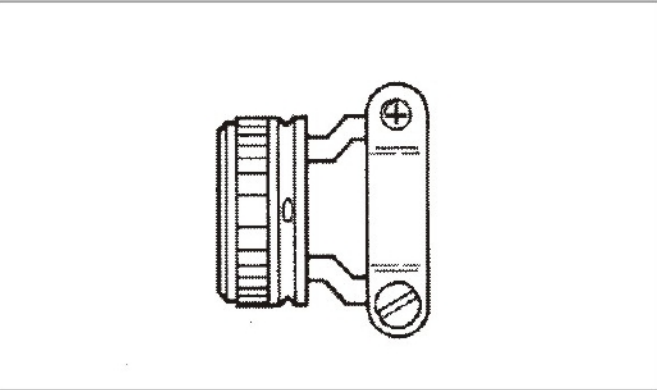
shell size	K	L	M	N	S	T	V
10SL	2 00 08	32 00 1 26	22 30 88	15 84 62	26 00 1 02	20 00 79	6 24 UNE F 2A
12S	2 00 08	32 00 1 26	22 30 88	19 02 75	29 00 1 14	23 00 91	
14S	2 00 08	32 00 1 26	22 30 88	22 19 87	32 50 1 28	26 97 1 06	3 20 UNE F 2A
16S	2 00 08	32 00 1 26	22 30 88	25 40 1 00	36 50 1 44	30 17 1 19	7 24 UNE F 2A
16	2 00 08	36 50 1 44	26 60 1 05	25 40 1 00	36 50 1 44	30 17 1 19	7 20 UNE F 2A
18	2 20 09	36 50 1 44	26 60 1 05	28 50 1 12	39 00 1 54	33 32 1 31	1 20 UNE F 2A
20	2 20 09	36 50 1 44	26 60 1 05	31 70 1 25	44 00 1 73	36 52 1 44	1 18 UNE F 2A
22	2 20 09	36 50 1 44	26 60 1 05	34 88 1 37	47 20 1 86	39 67 1 56	1 18 UNE F 2A
24	2 20 09	36 50 1 44	26 60 1 05	38 05 1 50	50 50 1 99	42 87 1 69	1 18 UNE F 2A
28	2 20 09	36 50 1 44	26 60 1 05	44 40 1 75	57 00 2 24	50 00 1 97	1 18 UNE F 2A

Hermetic square flange recep type 02H



shell size	K	L	M	N	Q	R	S	V
10SL	1 60 06	20 40 80	16 55 65	15 84 62	25 25 99	12 70 50	18 25 72	29 20 1 15
12S	1 60 06	20 40 80	16 55 65	19 02 75	27 60 1 08	16 70 66	20 60 81	29 20 1 15
14S	1 60 06	20 40 80	16 55 65	22 19 87	30 00 1 18	18 30 72	23 00 91	29 20 1 15
16S	1 60 06	20 40 80	16 55 65	25 40 1 00	32 60 1 28	21 40 84	24 60 97	29 20 1 15
18	2 00 08	25 15 99	20 65 81	28 50 1 12	35 00 1 38	24 70 97	26 97 1 06	33 70 1 32
20	2 00 08	25 15 99	21 05 83	31 70 1 25	37 40 1 47	29 40 1 15	29 40 1 16	33 70 1 35
28	2 00 08	25 15 99	21 05 83	44 40 1 74	50 65 1 99	41 30 1 62	39 65 1 56	33 70 1 32

Straight cable clamps



shell size	part number
10/12	8950-F-12
14	8950-F-14
16	8950-F-16
18	8950-F-18
20	8950-F-20
22	8950-F-22
24	8950-F-24
28	8950-F-28

when using with 892 04 ESC connectors -04 should be added to the backshell number e g 8950-F-12-04 size 12 only

MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 8

8S-1
A
1
16

Shell Size 10

10S-2
A
1
16

10SL-3
INST, A
3
16

10SL-4
A
2
16

Shell Size 12

12S-1
A
2
16

12S-3
A
2
16

12S-4
D
1
16

12S-5
D
1
12

Shell Size 14

14S-1
A
3
16

14S-2
INST
4
16

14-3
A
1
8

14S-4
D
1
16

14S-5
INST
5
16

14S-6
INST
6
16

14S-7
A
3
16

14S-9
A
2
16

Shell Size 16

16S-8
A
5
16

16-9
A
2
16

16-10
A
3
12

16-11
A
2
12

16-12
A
1
4

16-13
A
2
12

Shell Size 18

18-1
A(B,C,F,G)
INST(OTHERS)
10
16

18-2
24V
A
2
16

18-3
D
2
12

18-4
D
4
16

18-5
D
1
16

18-8
A
7
16

Shell Size 18

18-9
INST
5
16

18-10
A
4
12

18-11
A
5
12

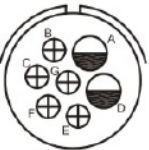
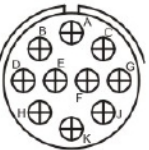
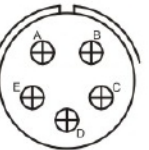
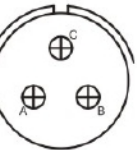
18-12
A
6
16

18-13
A
3
12

18-14
A
1
16

1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.

MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 18						
						
Insert Arrangement	18-16	18-18	18-19	18-20	18-21	18-22
Service Rating	C	INST	A	A	A	D
Number of Contacts	1	5	10	5	3	3
Contact Size	12	16 12	16	16	12	16

Shell Size 20					
Insert Arrangement	20-01	20-2	20-3	20-4	20-7
Service Rating	A	D	D	D	A(ALL OTHERS) D(A,B,G,H)
Number of Contacts	10	0	3	4	8
Contact Size	16	0	12	12	16

Shell Size 20					
Insert Arrangement	20-8	20-10	20-11	20-15	20-16
Service Rating	INST	A	INST	A	A
Number of Contacts	4	4	13	7	7
Contact Size	16 8	16	16	12	16 12

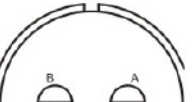
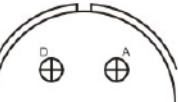
Shell Size 20					
Insert Arrangement	20-17	20-18	20-22	20-23	20-24
Service Rating	A	A	A	A	A
Number of Contacts	1 5	6 3	3 3	2	2 2
Contact Size	16 12	16 12	16 8	8	16 8

Shell Size 20			Shell Size 22		
					
					
					
Insert Arrangement	20-27	20-29	20-33	22-2	22-4
Service Rating	A	A	A	D	A
Number of Contacts	14	17	11	3	2
Contact Size	16	16	16	8	12 8

1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.

Contact Legend

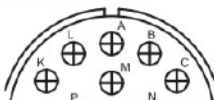
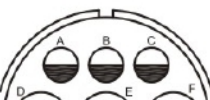
MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 22					
					
Insert Arrangement	22-5	22-7	22-8	22-9	22-10
Service Rating	D	E	E	E	E
Number of Contacts	4	1	2	3	4
Contact Size	16 12	0	12	12	16

Shell Size 22					
Insert Arrangement	22-13	22-14	22-15	22-18	22-19
Service Rating	A(ALL OTHERS) D(E)	A	A(ALL OTHERS) D(E)	A(C,D,E) D(ALL OTHERS)	A
Number of Contacts	1 4	19	1 5	8	14
Contact Size	16 12	16	16 12	16	16

Shell Size 22			Shell Size 24	
				
Insert Arrangement	22-21	22-22	22-23	24-2
Service Rating	A	A	A(ALL OTHERS), D(H)	D
Number of Contacts	2	4	8	7
Contact Size	16 0	8	12	12

Shell Size 24				
Insert Arrangement	24-02	24-3	24-4	24-5
Service Rating	A	D	D	A
Number of Contacts	9	5	3	16
Contact Size	12	16 12	16 0	16

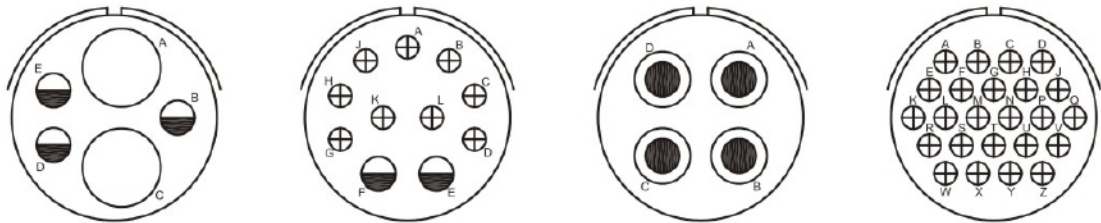
Shell Size 24				
				
Insert Arrangement	24-7	24-9	24-10	24-11
Service Rating	A	A	A	A
Number of Contacts	14	2	7	6
Contact Size	16 12	4	8	12 8

1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.

Contact Legend

MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 24



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

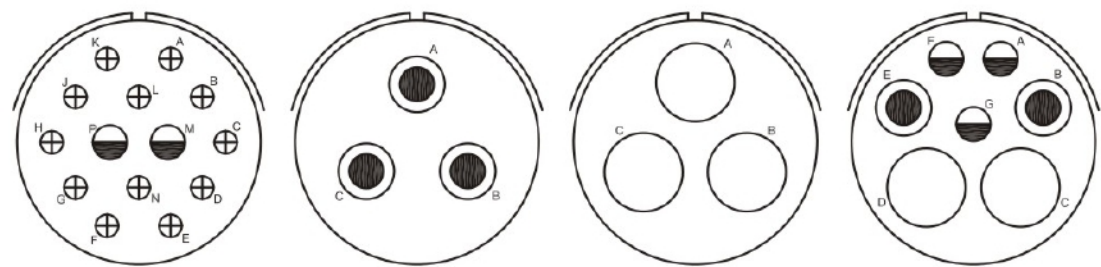
24-12
A
3 2
12 4

24-20
D
9 2
16 12

24-22
D
4
8

24-28
INST
24
12

Shell Size 28



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

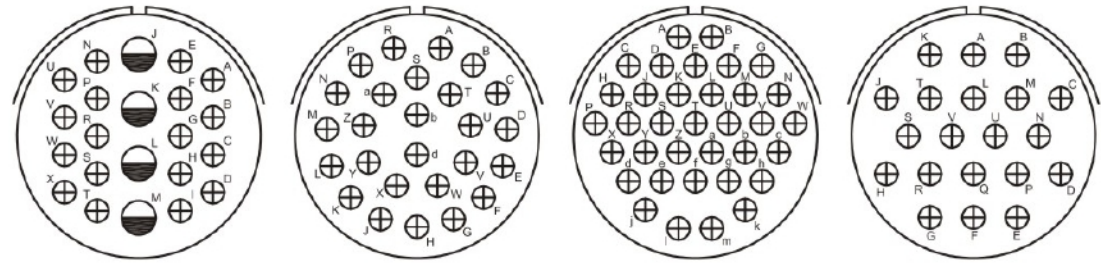
28-2
D
12 2
16 12

28-3
E
3
8

28-6
D
3
4

28-10
A(ALL OTHERS), D(G)
3 2 2
12 8 4

Shell Size 28



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

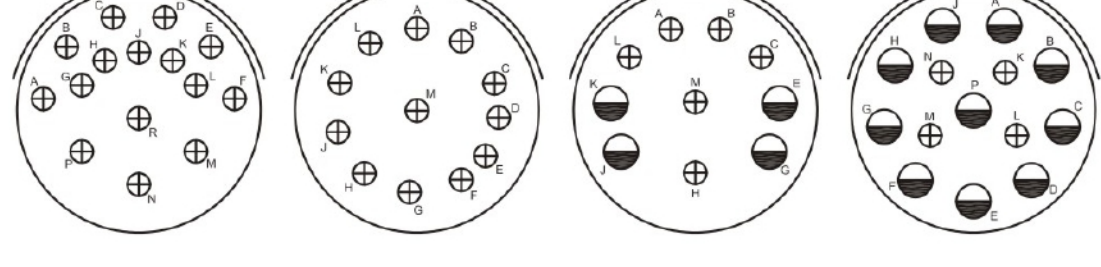
28-11
A
18 4
16 12

28-12
A
26
16

28-15
A
35
16

28-16
A
20
16

Shell Size 28



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

28-17
A(ALL OTHERS)
B(R), D(M,N,P)
15
16

28-18
A(A,B), C(M), INST(C,D,E,F)
D(ALL OTHERS)
12
16

28-19
A(ALL OTHERS)
B(H,M), D(A,B)
6 4
16 12

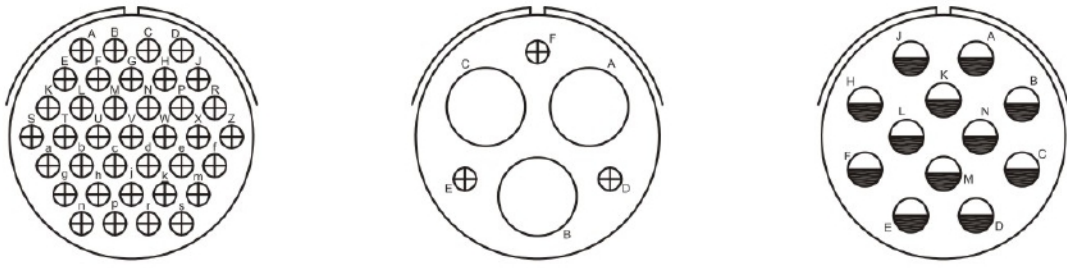
28-20
A
4 9
16 12

1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.



MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 28



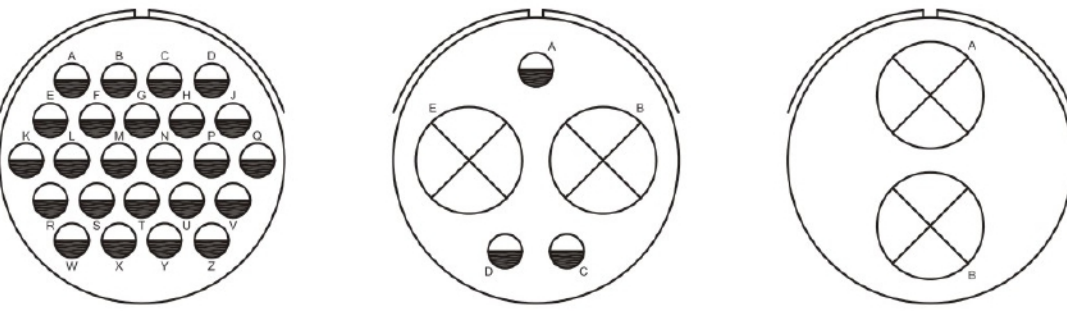
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

28-21
A
37
16

28-22
D
3 3
16 4

28-51
A
12
12

Shell Size 32



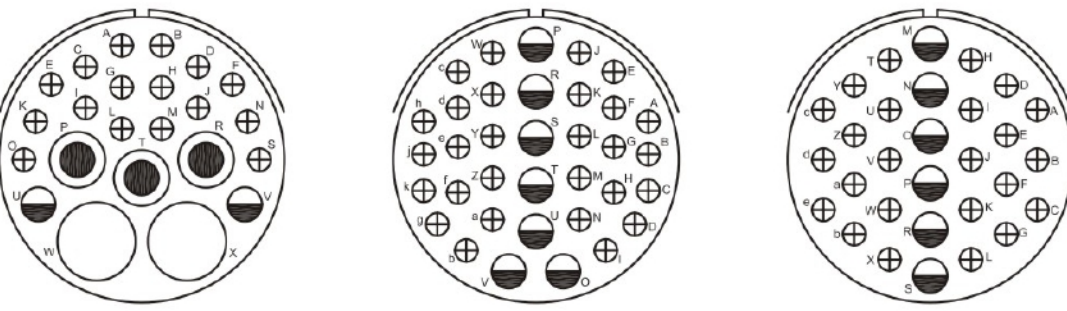
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

32-01
A
24
12

32-1
E(A), D(ALL OTHERS)
3 2
12 0

32-5
D
2
0

Shell Size 32



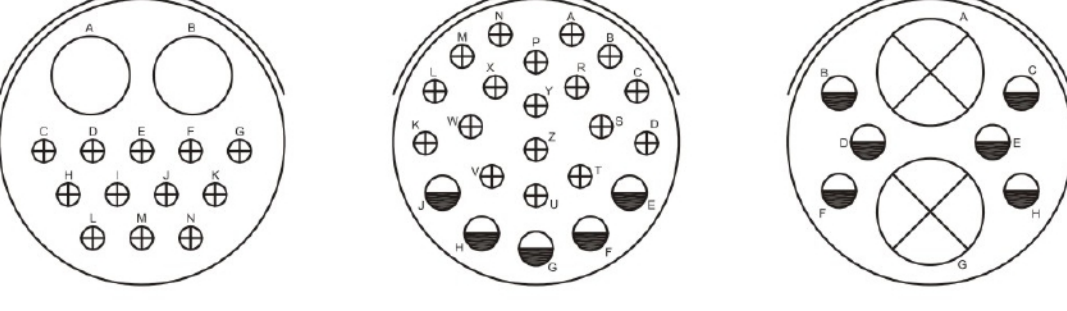
Insert Arrangement
Service Rating
Number of Contacts
Contact Size

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

32-7
A(ALL OTHERS), INST(A,B,h,j)
28 7
16 12

32-8
A
24 6
16 12

Shell Size 32



Insert Arrangement
Service Rating
Number of Contacts
Contact Size

32-9
D
12 2
16 4

32-13
D
18 5
16 12

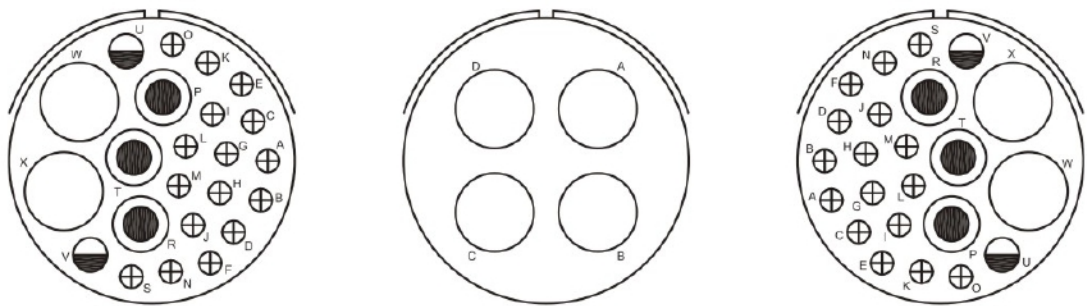
32-15
D
6 2
12 0

1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.



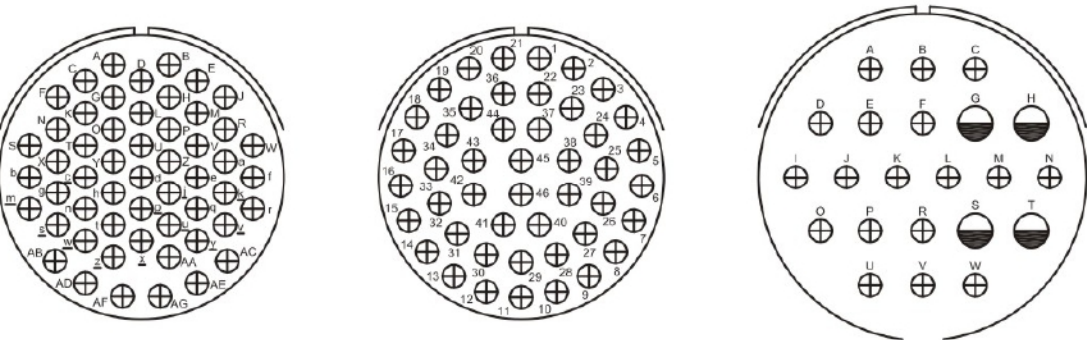
MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 32



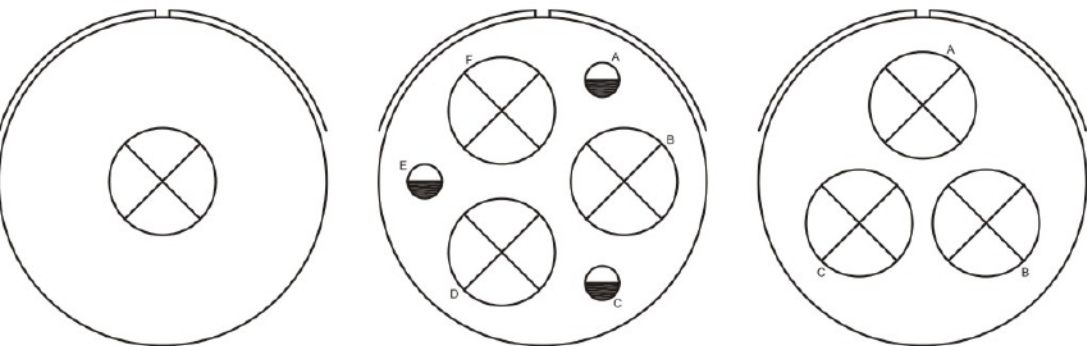
Insert Arrangement	32-16				32-17	32-20			
Service Rating	A					A			
Number of Contacts	16	2	3	2		16	2	3	2
Contact Size	16	12	8	4		4	16	12	8

Shell Size 32



Insert Arrangement	32-22	32-73	36-1
Service Rating	A	A	D
Number of Contacts	54	46	18 4
Contact Size	16	16	16 12

Shell Size 36



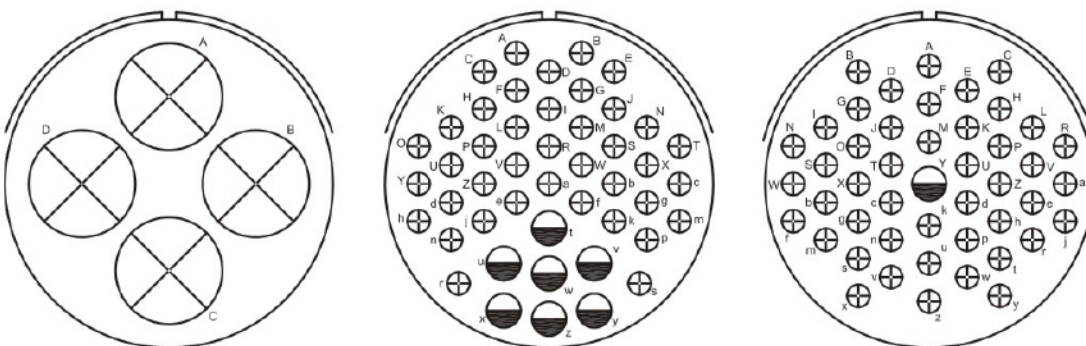
Insert Arrangement	36-03			36-3			36-4		
Service Rating	A			D			A(B,C), D(A)		
Number of Contacts	1			3 3			3		
Contact Size	0			12 0			0		

1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.



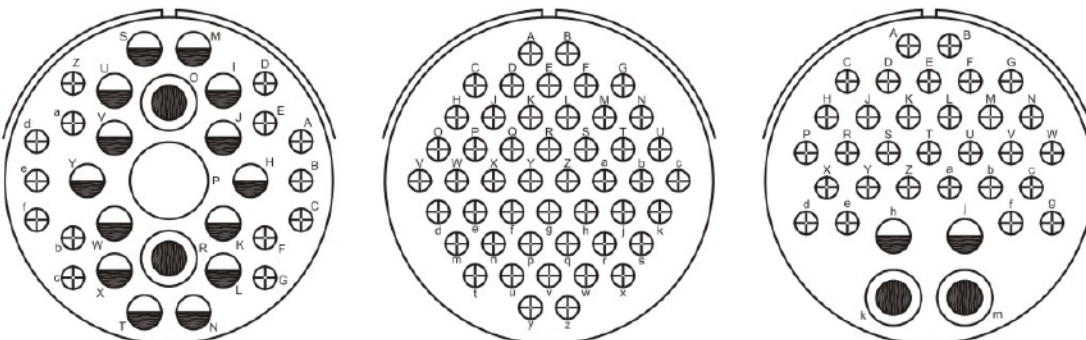
MIL- C-5015 Style 插针排布 (Contact Arrangements)

Shell Size 36



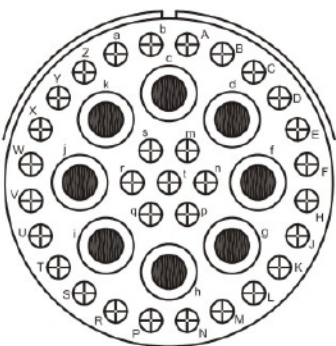
Insert Arrangement	36-5				36-7				36-8			
Service Rating	A				A				A			
Number of Contacts	4				40 7				46 1			
Contact Size	0				16 12				16 12			

Shell Size 36



Insert Arrangement Service Rating Number of Contacts Contact Size	36-9				36-10	36-20			
	A					A			
	14	14	2	1		48	30	2	2
	16	12	8	4		16	16	12	8

Shell Size 36



Insert Arrangement	36-54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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1. View looking into front face of pin insert (+insulator).
2. Please make a direct inquiry for the information not contained in the table.



概述 (Overview)

MIL-C-26482系列连接器由于其优良的电气性、机械性和耐环境特性，使其广泛应用于军事，通信设备。不同的插针排布拥有准确和稳定的连接。而且卡口连接方式可让其不容易断开。因此，连接时间减少到最低限度和不受振动的影响。这个样本的MS3110系列是著名的连接器是使用焊接连接电缆的标准模型。如果您有如何不同类型、形状或插针排布等疑问，请联系我们。

The MIL-DTL-26482 Style is a compact connector widely used in military communications equipment due to its excellent electrical, mechanical, and environmental characteristics. The five different guide keys allow accurate and stable coupling. Also, the Bayonet coupling method allows it to be put on and off easily. As a result, the coupling time is cut down to a minimum and left unaffected by vibrations. This pamphlet based the MS3110 Series Class "E" connector, which uses Soldering type to connect to cables, as the standard model. If you have any inquiries on different types, class, shape, or connection arrangements please contact us separately.



MIL-C-26482 Series

MIL-C-26482 Series/Style Connector
ISO 9001/ISO14001



选型说明 (Ordering Information)

Military Nomenclature



HWMS Number Shell Size

HWMS3110 - Wall Mounting Receptacle
墙式安装插座

HWMS3111 - Cable Connecting Plug
电缆连接插座

HWMS3112 - Box Mounting Receptacle (Class E Only)
盒式安装插座

HWMS3114 - Jam Nut Receptacle
锁紧螺母插座

HWMS3116 - Straight Plug
直插头

HWMS3119 - Thru-Bulkhead Receptacle (Class E Only)
插入隔板式插座

• Class

A - General Duty (not MS Approved)
通用型尾夹

E - Grommet seal except on 3112 (MS Specification)

F - Grommet seal with strain relief (MS Specification)

P - Potted (MS Specification)

• Shell Size

8, 10, 12, 14, 16, 18, 20, 22, 24

• Contact Arrangement

MIL-STD-1669 - see page 38

• Contact Style

P - Pin 插针

S - Socket 插孔

• Alternate Insert Positions

防插错排布

N (Normal), W, X, Y, Z (MIL-STD-1669) - see page 37

• Finish

Blank - Conductive Olive Drab Chromate Over Cadmium
or Zinc Plate

01 - Black Anodize

氧化黑色

02 - Electroless Nickel Plate

表面镀锌

03 - Olive Drab Cadmium

橄榄绿

04 - Zinc Cobalt Plate

表面镀铬深蓝色



技术资料 (Technical Data)

材质与外壳表面处理 (Standard Materials and Finishes)

Description	Materials and Finishes
外壳 (Shell)	Aluminum alloy, conductive olive drab chromate over cadmium or Zinc finish QQ-P-416
端子 (Insulator)	Polychloroprene
绝缘垫圈和密封(Grommet and seal)	Polychloroprene
插芯 (contacts)	Copper alloy, gold plate per MIL-G-45204 Type II

产品性能 (Electrical Data)

Wrie Range Accommodations		Insulation O.D. Limits		Contact Rating			
contact size	AWG wire size	Min	Max	contact size	Rated Amps	Test Current	Millivolt Drop
20	24, 22, 20	1.52	2.11	20	7.5	7.5	55
16	20, 18, 16	1.68	2.77	16	22.0	13.0	49
12	12,14	2.46	3.61	12	23.0	20.0	42

Dielectric Withstanding Voltage

Service Rating	Operating Voltaire. Max.			Test Voltaire. AC(rms), 60cps		
	AC(rms)	DC	Sea Level	50,000(ft)	70,000(ft)	110,000(ft)
I	600	850	1500	500	375	200
II	1000	1275	2300	750	500	200

工作温度 (Operating Temperature Range)	-55°C ~ +125°C
绝缘电阻 Insulation Resistahce	5000MΩ Min. (at 25°C)
插拔次数 Durability	500 cycle, mate and unmate

MIL- C-26482 Series I Style (Solder Type)

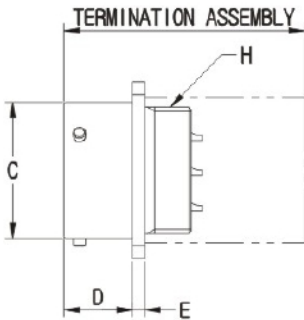
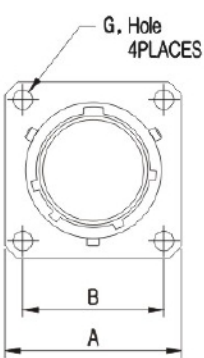
Wall Mounting Receptacle (MS3110)

墙式安装插座

MS 3110 CLASS "A" , "E" , "F" , "P"

E, F Type - Includes grommet and bushing.

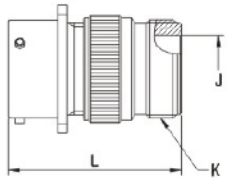
E、F型-包括绝缘垫圈和套管



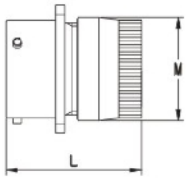
Unit:mm

Shell Size	A Max.	B ±0.10	C Dia. +0.00 -0.15	D +0.79 -0.00	E ±0.41	G Dia. ±0.13	H Thread. (Class: 2A)
8	21.03	15.09	12.04	10.95	1.57	3.05	7/16-28UNEF
10	24.23	18.26	15.01	10.95	1.57	3.05	9/16-24UNEF
12	26.59	20.62	19.08	10.95	1.57	3.05	11/16-24UNEF
14	28.98	23.01	22.25	10.95	1.57	3.05	13/16-20UNEF
16	31.34	24.61	25.43	10.95	1.57	3.05	15/16-20UNEF
18	33.73	26.97	28.60	10.95	1.57	3.05	1 1/16-18UNEF
20	36.91	29.36	31.78	14.12	2.39	3.05	1 3/16-18UNEF
22	40.08	31.75	34.95	14.12	2.39	3.05	1 5/16-18UNEF

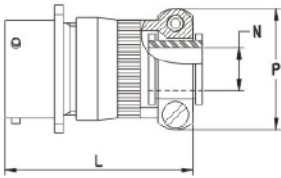
Termination Assembly



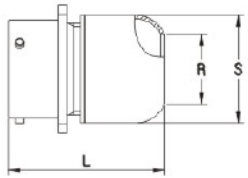
"A" TYPE



"E" TYPE



"F" TYPE



"P" TYPE

Unit:mm

Shell Size	CLASS "A"			CLASS "E"		CLASS "F"			CLASS "P"		
	L Max.	J Dia. .	K Thread. (Class: 2A)	L Max.	M Dia. Max.	L Max.	N Dia. Min.	P Max.	L Max.	R Dia. Min.	S Dia. Max.
8	36.68	8.15	1/2-28UNEF	33.73	15.44	48.82	2.92	21.03	36.91	8.05	15.44
10	36.68	11.84	5/8-24UNEF	33.73	18.64	48.82	4.52	22.63	36.91	11.02	18.64
12	36.68	15.01	3/4-20UNEF	33.73	21.79	48.82	7.67	25.81	36.91	13.92	21.79
14	36.68	19.05	7/8-20UNEF	33.73	24.99	48.82	9.27	28.98	36.91	17.09	24.99
16	36.68	21.08	1-20UNEF	33.73	28.19	51.99	12.45	30.56	36.91	20.27	28.19
18	36.68	24.08	1 3/16-18UNEF	33.73	31.34	52.78	15.62	37.31	36.91	22.83	31.34
20	43.89	26.49	1 3/16-18UNEF	38.89	34.54	59.54	15.62	37.31	42.47	26.01	34.54
22	43.89	30.43	1 7/16-18UNEF	38.89	37.69	59.54	18.80	42.06	42.47	29.18	37.69

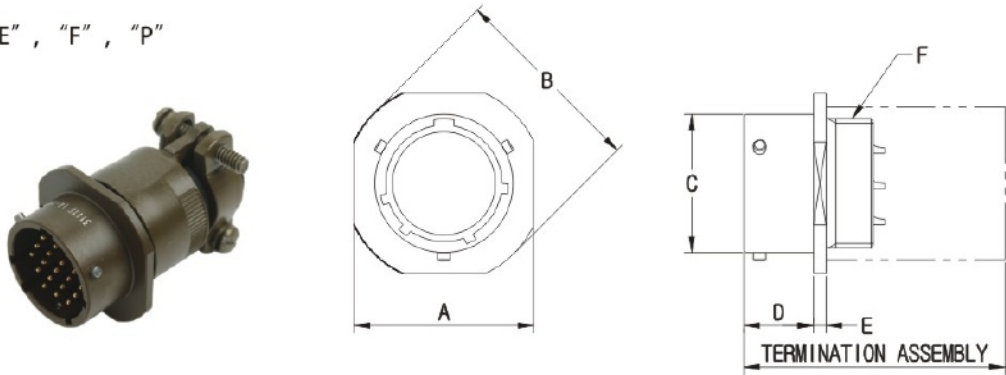
MIL- C-26482 Series I Style (Solder Type)

Cable Connecting Plug (MS3111)

电缆连接插座
MS 3111 CLASS "A" , "E" , "F" , "P"

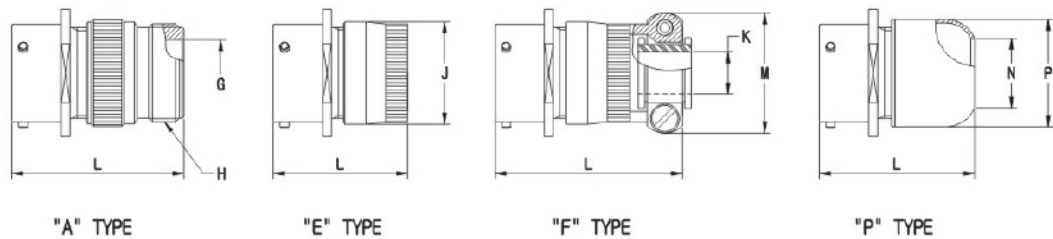
E、F型-包括绝缘垫圈和套管

E, F Type - Includes grommet and bushing.



Unit: mm						
Shell Size	A Max.	B Dia. ±0.51	C Dia. +0.00 -0.15	D +0.79 -0.00	E ±0.41	F Thread. (Class: 2A)
8	21.03	23.83	12.04	10.16	2.39	7/16-28UNEF
10	24.23	26.97	15.01	10.16	2.39	9/16-24UNEF
12	26.59	29.36	19.08	10.16	2.39	11/16-24UNEF
14	28.98	31.75	22.25	10.16	2.39	13/16-20UNEF
16	31.34	34.14	25.43	10.16	2.39	15/16-20UNEF
18	33.73	36.53	28.60	10.16	2.39	1 1/16-18UNEF
20	36.91	39.67	31.78	13.59	2.92	1 3/16-18UNEF
22	40.08	42.88	34.95	13.59	2.92	1 5/16-18UNEF

Termination Assembly



Unit: mm											
Shell Size	CLASS "A"			CLASS "E"		CLASS "F"			CLASS "P"		
	L Max.	G Dia. Min.	H Thread. (Class: 2A)	L Max.	J Dia. Max.	L Max.	K Dia. Min.	M Max.	L Max.	N Dia. Min.	P Dia. Max.
8	36.68	8.15	1/2-28UNEF	33.73	15.44	48.82	2.92	21.03	36.91	8.05	15.44
10	36.68	11.84	5/8-24UNEF	33.73	18.64	48.82	4.52	22.63	36.91	11.02	18.64
12	36.68	15.01	3/4-20UNEF	33.73	21.79	48.82	7.67	25.81	36.91	13.92	21.79
14	36.68	19.05	7/8-20UNEF	33.73	24.99	48.82	9.27	28.98	36.91	17.09	24.99
16	36.68	21.08	1-20UNEF	33.73	28.19	51.99	12.45	30.56	36.91	20.27	28.19
18	36.68	24.08	1 3/16-18UNEF	33.73	31.34	52.78	15.62	37.31	36.91	22.83	31.34
20	43.89	26.49	1 3/16-18UNEF	38.89	34.54	59.54	15.62	37.31	42.47	26.01	34.54
22	43.89	30.43	1 7/16-18UNEF	38.89	37.69	59.54	18.80	42.06	42.47	29.18	37.69

MIL- C-26482 Series I Style (Solder Type)

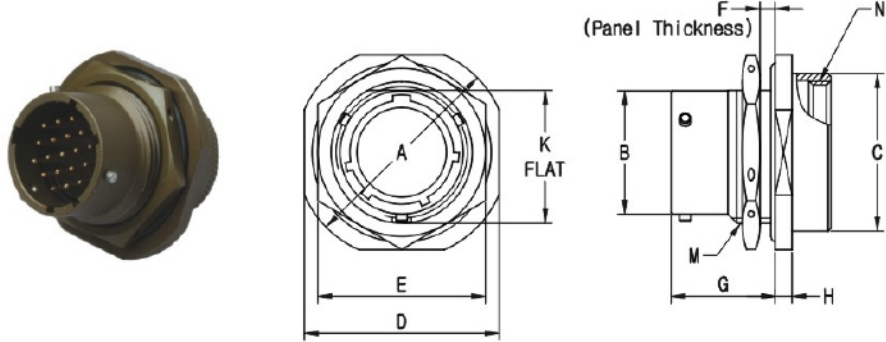
Jam Nut Receptacle (MS3114)

锁紧螺母插座

MS 3114 CLASS "A" , "E" , "F" , "P"

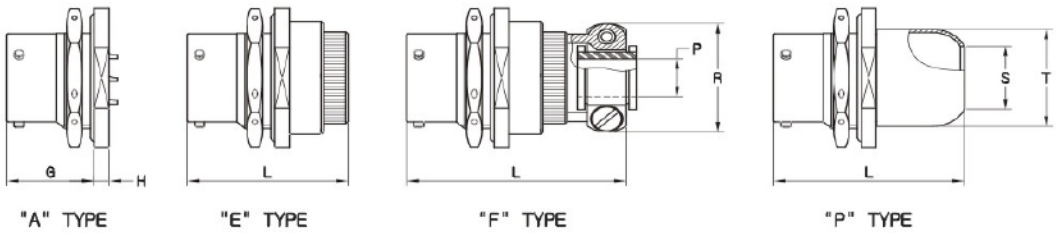
E, F Type - Includes grommet and bushing.

E、F型-包括绝缘垫圈和套管



Unit: mm												
Shell Size	A Dia. +0.00 -0.81	B Dia. +0.00 -0.15	C Dia. Max.	D Max.	E ±0.43	F		G +0.79 -0.00	H ±0.51	K Flat. +0.00 -0.25	M Thread. (Class: 2A)	N Thread. (Class: 2B)
						Min.	Max.					
8	27.38	12.04	15.44	24.23	19.06	1.57	3.17	17.55	2.97	13.46	9/16-24UNEF	5/8-24UNEF
10	30.56	15.01	18.64	27.38	22.22	1.57	3.17	17.55	2.97	16.64	11/16-24UNEF	3/4-24UNEF
12	35.33	19.08	21.79	32.16	26.97	1.57	3.17	17.55	2.97	20.78	7/8-20UNEF	7/8-20UNEF
14	38.51	22.25	24.99	35.33	30.17	1.57	3.17	17.55	2.97	23.93	1-20UNEF	1-20UNEF
16	41.68	25.43	28.19	38.51	33.32	1.57	3.17	17.55	2.97	27.08	1 1/8-18UNEF	1 1/8-18UNEF
18	44.86	28.60	31.34	41.68	36.25	1.57	3.17	17.55	2.97	30.25	1 1/4-18UNEF	1 1/4-18UNEF
20	49.63	31.78	34.54	46.43	39.67	1.57	6.35	22.33	3.76	33.43	1 3/8-18UNEF	1 3/8-18UNEF
22	52.78	34.95	37.69	49.63	42.87	1.57	6.35	22.33	3.76	36.60	1 1/2-18UNEF	1 1/2-18UNEF
24	55.96	38.13	40.89	52.78	46.02	1.57	6.35	23.16	3.76	39.78	1 5/8-18UNEF	1 5/8-18UNEF

Termination Assembly



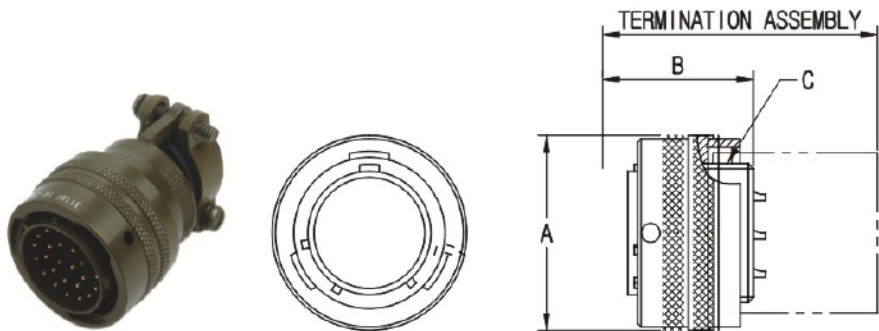
Unit: mm									
Shell Size	CLASS "A"		CLASS "E"		CLASS "F"		CLASS "P"		
	G +0.79 -0.00	H ±0.51	L Max.	L Max.	P Min.	R Max.	L Max.	S Dia. Min.	T Dia. Max.
8	17.55	2.97	34.14	48.41	2.92	21.03	35.33	8.05	15.44
10	17.55	2.97	34.14	48.41	4.52	22.63	35.33	11.02	18.64
12	17.55	2.97	34.14	48.41	7.67	25.81	35.33	13.92	21.79
14	17.55	2.97	34.14	48.41	9.27	28.98	35.33	17.09	24.99
16	17.55	2.97	34.14	51.99	12.45	30.56	35.33	20.27	28.19
18	17.55	2.97	34.14	52.78	15.62	37.31	35.33	22.83	31.34
20	22.33	3.76	40.49	59.13	15.62	37.31	41.68	26.01	34.54
22	22.33	3.76	40.49	59.13	18.80	42.06	41.68	29.18	37.69
24	23.16	3.76	41.68	62.31	20.07	44.45	43.26	32.36	40.89

MIL- C-26482 Series I Style (Solder Type)

Straight Plugs (MS3116)

MS3116 CLASS “A”, “E”, “F”, “P”
直插头
E、F型-包括绝缘垫圈和套管

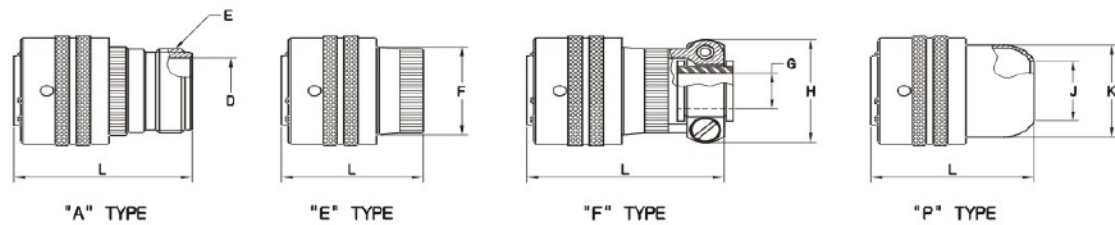
E, F Type - Includes grommet and bushing.



Unit: mm

Shell Size	A Dia. Max.	B Max.	C Thread. (Class: 2A)
8	19.86	21.0	7/16-28UNEF
10	23.52	21.0	9/16-24UNEF
12	26.49	21.0	11/16-24UNEF
14	30.05	21.0	13/16-20UNEF
16	33.15	21.0	15/16-20UNEF
18	35.33	21.0	1 1/16-18UNEF
20	38.89	25.5	1 3/16-18UNEF
22	42.09	25.5	1 5/16-18UNEF
24	45.13	25.5	1 7/16-18UNEF

Termination Assembly



Unit: mm

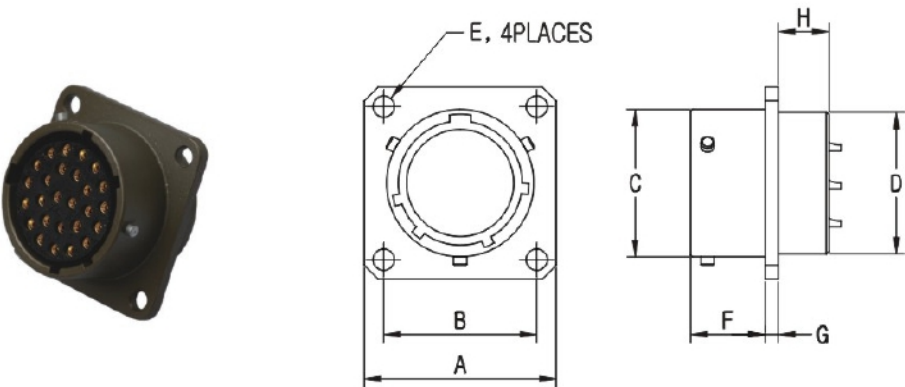
Shell Size	CLASS “A”			CLASS “E”		CLASS “F”			CLASS “P”		
	L Max.	D Dia. Max.	E Thread. (Class: 2A)	L Max.	F Dia. Max.	L Max.	G Dia. Min.	H Max.	L Max.	J Dia. Min.	K Dia. Max.
8	36.68	8.15	1/2-28UNEF	33.73	15.44	48.82	2.92	21.03	36.91	8.05	15.44
10	36.68	11.84	5/8-24UNEF	33.73	18.64	48.82	4.52	22.63	36.91	11.02	18.64
12	36.68	15.01	3/4-20UNEF	33.73	21.79	48.82	7.67	25.81	36.91	13.92	21.79
14	36.68	19.05	7/8-20UNEF	33.73	24.99	48.82	9.27	28.98	36.91	17.09	24.99
16	36.68	21.08	1-20UNEF	33.73	28.19	51.99	12.45	30.56	36.91	20.27	28.19
18	36.68	24.08	1 3/16-18UNEF	33.73	31.34	52.78	15.62	37.31	36.91	22.83	31.34
20	43.89	26.49	1 3/16-18UNEF	38.89	34.54	59.54	15.62	37.31	42.47	26.01	34.54
22	43.89	30.43	1 7/16-18UNEF	38.89	37.69	59.54	18.80	42.06	42.47	29.18	37.69
24	44.15	32.84	1 7/16-18UNEF	40.49	40.89	61.11	20.07	44.45	44.04	32.36	40.89

MIL- C-26482 Series I Style (Solder Type)

Box Mounting Receptacle (MS3112)

盒式安装插座

MS 3112 CLASS “E”



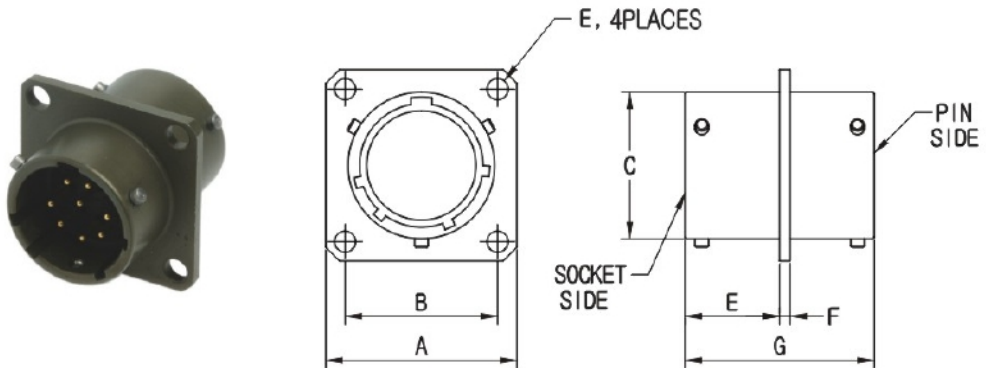
Unit: mm

Shell Size	A Max.	B ±0.10	C Dia. +0.00 -0.15	D Dia. Max.	E Dia. ±0.13	F +0.79 -0.00	G ±0.41	H
8	21.03	15.09	12.04	11.91	3.05	10.95	1.57	8.99
10	24.23	18.26	15.01	15.06	3.05	10.95	1.57	8.99
12	26.59	20.62	19.08	18.26	3.05	10.95	1.57	8.99
14	28.98	23.01	22.25	21.41	3.05	10.95	1.57	8.99
16	31.34	24.61	25.43	24.61	3.05	10.95	1.57	8.99
18	33.73	26.97	28.60	27.76	3.05	10.95	1.57	8.99
20	36.91	29.36	31.78	30.96	3.05	14.12	2.39	10.59
22	40.08	31.75	34.95	34.11	3.05	14.12	2.39	10.59

Thru-Bulkhead Receptacle (MS3119)

插入隔板式插座

MS 3119 CLASS “E”



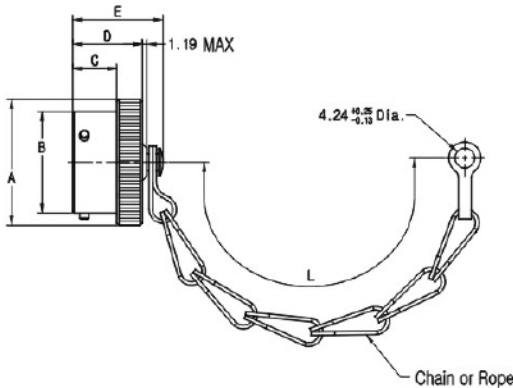
Unit: mm

Shell Size	A Max.	B ±0.10	C Dia. +0.00 -0.15	D Dia. ±0.13	E +0.79 -0.00	F ±0.41	G Max.
8	21.03	15.09	12.04	3.05	10.95	1.57	28.58
10	24.23	18.26	15.01	3.05	10.95	1.57	28.58
12	26.59	20.62	19.08	3.05	10.95	1.57	28.58
14	28.98	23.01	22.25	3.05	10.95	1.57	28.58
16	31.34	24.61	25.43	3.05	10.95	1.57	28.58
18	33.73	26.97	28.60	3.05	10.95	1.57	28.58
20	36.91	29.36	31.78	3.05	14.12	2.39	35.71
22	40.08	31.75	34.95	3.05	14.12	2.39	35.71

MIL- C-26482 Series I Style (Accessories)

Plug Protection Cap (MS 3180)

插头防尘盖
MS3180



UNIT: mm

Shell Size	A Dia. Max.	B Dia. +0.03 -0.13	C +0.79 -0.00	D Max.	E	L (Standard Length) +12.70 -6.35
8	18.28	12.01	9.35	14.27	19.84	76.20
10	21.44	14.99	9.35	14.27	19.84	76.20
12	25.40	19.05	9.35	14.27	19.84	88.90
14	28.58	22.22	9.35	14.27	19.84	88.90
16	31.75	25.40	9.35	14.27	19.84	88.90
18	34.92	28.58	9.35	14.27	19.84	88.90
20	38.10	31.75	10.92	15.88	21.44	101.60
22	41.28	34.92	10.92	15.88	21.44	101.60

How To Order 选型指南

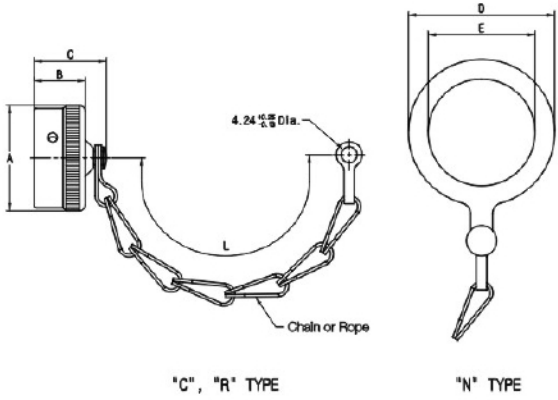


MIL- C-26482 Series I Style (Accessories)

Receptacle Protection Cap (MS 3181)

插座防尘盖

MS3181



Unit: mm

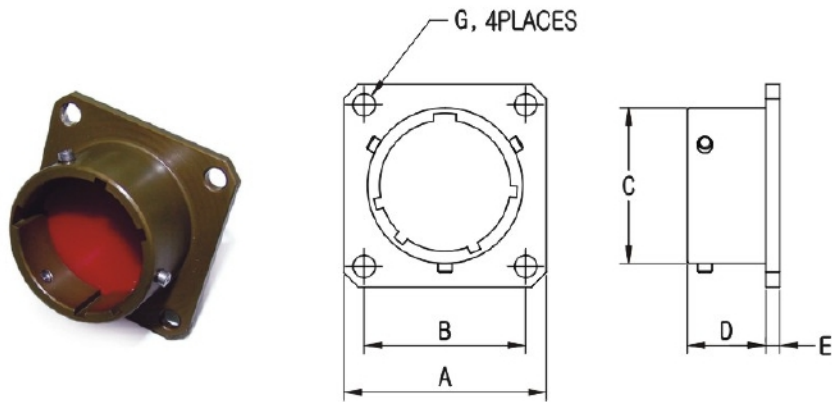
Shell Size	A Dia. Max.	B Max.	C Max.	D Dia. Max.	E Dia. Min.	L (Standard Length) +12.70 -6.35
8	18.64	14.27	21.44	20.62	14.68	76.20
10	21.82	14.27	21.44	25.40	17.86	76.20
12	25.40	14.27	21.44	30.18	22.63	88.90
14	28.58	14.27	21.44	36.53	25.81	88.90
16	31.75	14.27	21.44	39.67	28.98	88.90
18	34.92	14.27	21.44	42.88	32.16	88.90
20	38.10	14.27	21.44	46.02	35.33	101.60
22	41.28	14.27	21.44	49.23	38.51	101.60
24	44.45	15.29	22.22	52.37	41.68	101.60

How To Order 选型指南



MIL- C-26482 Series I Style (Accessories)

Dummy Stowage Receptacle (MS3115)
虚拟母座
MS3115



Unit: mm

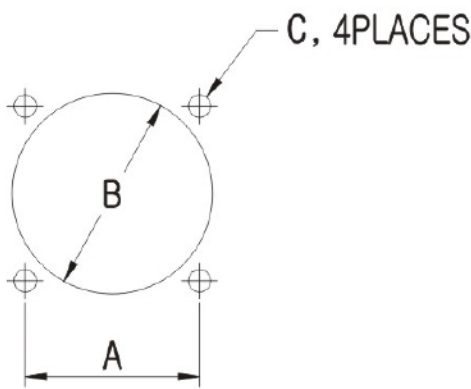
Shell Size	A Max.	B ±0.10	C Dia. +0.00 -0.15	D +0.79 -0.00	E ±0.41	G Dia. ±0.13
8	21.03	15.09	12.04	11.73	1.57	3.05
10	24.23	18.26	15.01	11.73	1.57	3.05
12	26.59	20.62	19.08	11.73	1.57	3.05
14	28.98	23.01	22.25	11.73	1.57	3.05
16	31.34	24.61	25.43	11.73	1.57	3.05
18	33.73	26.97	28.60	11.73	1.57	3.05
20	36.91	29.36	31.78	14.12	2.39	3.05
22	40.08	31.75	34.95	14.12	2.39	3.05
24	43.26	34.92	38.13	14.96	2.39	3.73

How To Order 选型指南

Part Number 产品型号 MS3115 - 12 L
Shell Size 外壳尺寸
Finish 表面处理
A - Hard Anodize 硬质氧化
L - Electroless Nickel Palte 化学镀镍
W - Olive Drab Cadmium Over Electroless Plate 橄榄绿镀锡
04 - Zinc Cobalt Plate 镀锌

MIL- C-26482 Series I Style Panel Cutouts

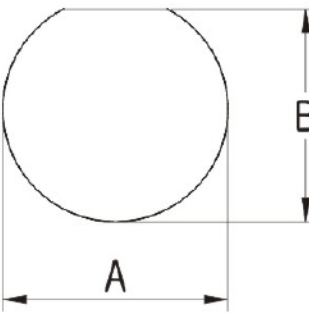
Box and Wall Mounting Receptacle (Front Mounting)
盒式与墙式安装插座开孔尺寸



Unit: mm

Shell Size	A	B Dia. +0.25 -0.00	C Dia. ±0.13
8	15.09	15.70	3.17
10	18.26	18.67	3.17
12	20.62	21.82	3.17
14	23.01	25.02	3.17
16	24.61	28.27	3.17
18	26.97	31.37	3.17
20	29.36	34.57	3.17
22	31.75	37.72	3.17
24	34.92	40.92	3.94

Jam Nut Receptacle
锁紧螺母插座开孔尺寸



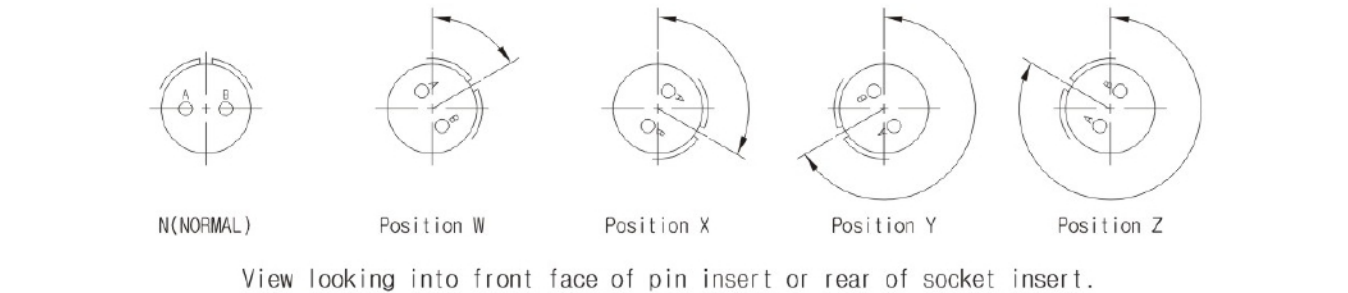
Unit: mm

Shell Size	A Dia. +0.13 -0.00	B +0.25 -0.13
8	14.68	13.72
10	17.86	16.89
12	22.61	21.03
14	25.78	24.18
16	28.96	27.33
18	32.13	30.51
20	35.31	33.68
22	38.48	36.86
24	41.66	40.03

MIL- C-26482 Series I Style

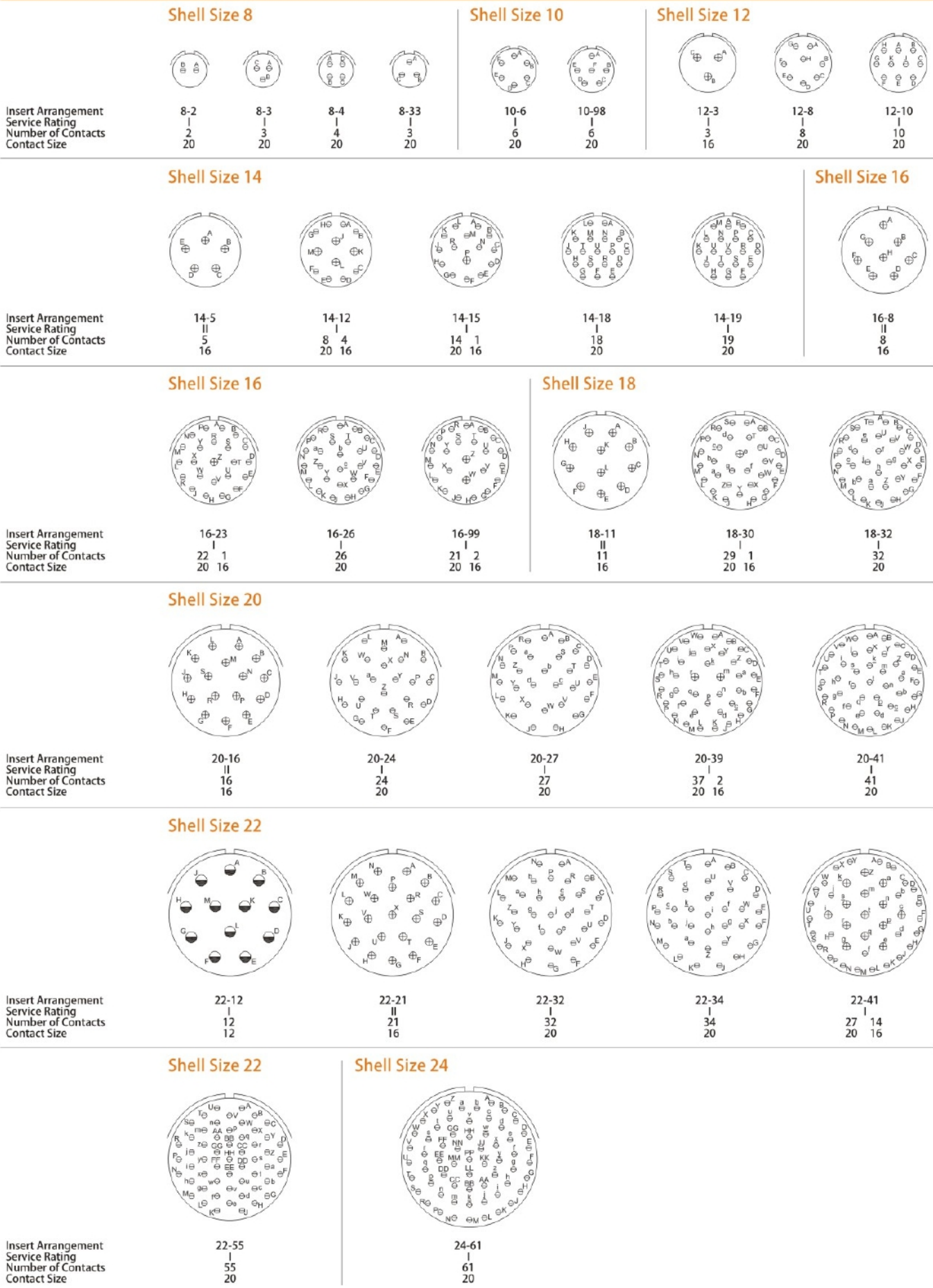
(Alternate Insert Positions)
防插错表格

Insert Availability and Identification



Shell Size	Contact Arrangement	Service Rating	Total Contacts	Contact Size			Alternate Insert Positions (Degree)			
				20	16	12	W	X	Y	Z
8	8-2	I	2	2			58	122		
	8-3	I	3	3			60	210		
	8-4	I	4	4			45			
	8-33	I	3	3			90			
10	10-6	I	6	6			90			
	10-98	I	5	5			90	180	240	270
12	12-3	II	3	3					180	
	12-8	I	8	8			90	112	203	292
	12-10	I	10	10			60	155	270	295
14	14-5	II	5		5		40	92	184	273
	14-12	I	12	8	4		43	90		
	14-15	I	15	14	1		17	110	155	234
	14-18	I	18	18			15	90	180	270
	14-19	I	19	19			30	165	315	
16	16-8	II	8		8		54	152	180	331
	16-23	I	23	22	1		158	270		
	16-26	I	26	26			60		275	338
	16-99	I	23	21	2		66	156	223	340
18	18-11	II	11		11		62	119	241	340
	18-30	I	30	29	1		180	193	285	350
	18-32	I	32	32			85	138	222	265
20	20-16	II	16		16		238	318	333	347
	20-24	I	24	24			70	145	215	290
	20-27	I	27	27			72	144	216	288
	20-39	I	39	37	2		83	144	252	333
	20-41	I	41	41			45	126	225	
22	22-12	I	12			12				
	22-21	II	21		21		16	135	175	349
	22-32	I	32	32			72	145	215	288
	22-34	I	34	34			62	142	218	298
	22-41	I	41	27	14		39	135	264	
24	22-55	I	55	55			30	142	226	314
	24-61	I	61	61			90	180	270	324

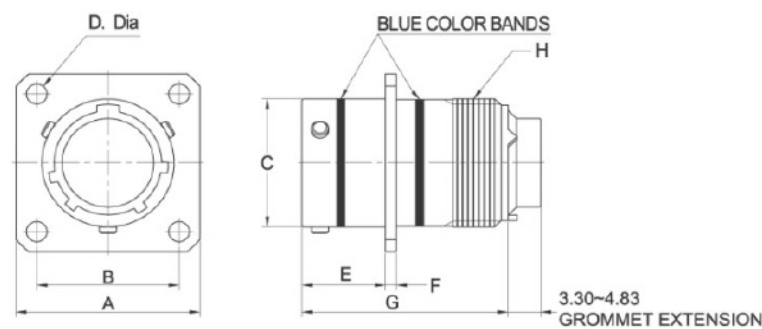
MIL- DLT-26482 Series I Style 插针排布 (Contact Arrangements)



1. View looking into front face of pin insert(+insulator).
2. Please make a direct inquiry for the information not contained in the table.

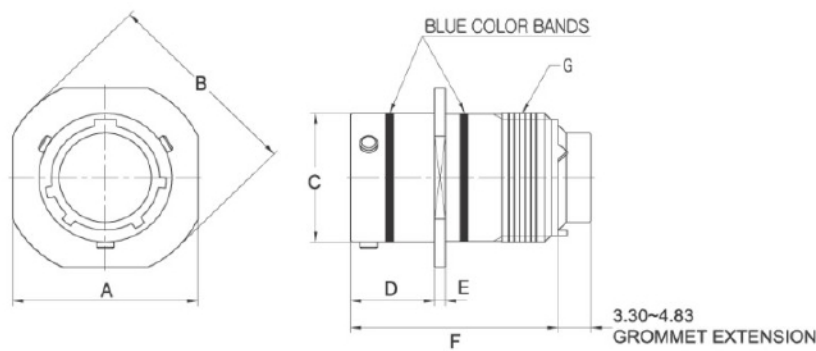
Connector Dimensions

MS3470
Narrow Flange Receptacle



Shell size	□A max	□B ±0.10	øC ±0.08	øD ±0.25	E		F		G max	H THD-2A
					min	max	min	max		
8	21.03	15.08	11.96	3.05	10.95	11.74	1.16	1.98	30.86	1/2-20UNF
10	24.23	18.26	14.94	3.05	10.95	11.74	1.16	1.98	30.86	5/8-24UNEF
12	26.59	20.62	19.00	3.05	10.95	11.74	1.16	1.98	30.86	3/4-20UNEF
14	28.98	23.01	22.17	3.05	10.95	11.74	1.16	1.98	30.86	7/8-20UNEF
16	31.34	24.61	25.35	3.05	10.95	11.74	1.16	1.98	30.86	1-20UNEF
18	33.73	26.97	25.52	3.05	10.95	11.74	1.16	1.98	30.86	1 1/16-18UNEF
20	36.91	29.36	31.70	3.05	14.12	14.91	1.98	2.80	32.39	1 3/16-18UNEF
22	40.08	31.75	34.87	3.05	14.12	14.91	1.98	2.80	32.39	1 5/16-18UNEF
24	43.26	34.93	38.05	3.73	14.96	15.75	1.98	2.80	32.39	1 7/16-18UNEF

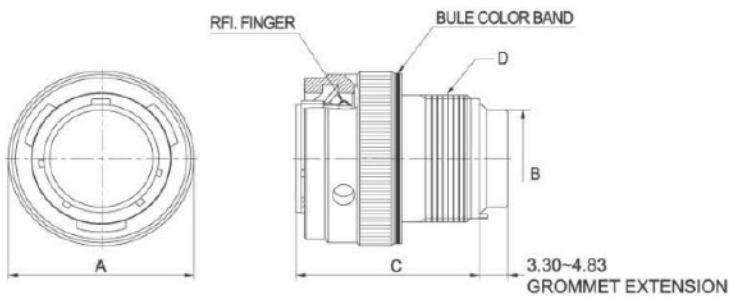
MS3471
Cable Connecting Receptacle



Shell size	□A max	øB		øC ±0.08	D		E		F max	H THD-2A
		min	max		min	max	min	max		
8	21.03	23.32	24.34	11.96	10.95	11.74	1.16	1.98	30.86	1/2-20UNF
10	24.23	26.46	27.48	14.94	10.95	11.74	1.16	1.98	30.86	5/8-24UNEF
12	26.59	28.85	29.87	19.00	10.95	11.74	1.16	1.98	30.86	3/4-20UNEF
14	28.98	31.24	32.26	22.17	10.95	11.74	1.16	1.98	30.86	7/8-20UNEF
16	31.34	33.63	34.65	25.35	10.95	11.74	1.16	1.98	30.86	1-20UNEF
18	33.73	36.02	37.04	28.52	10.95	11.74	1.16	1.98	30.86	1 1/16-18UNEF
20	36.91	39.16	40.18	31.70	14.12	14.91	1.98	2.80	32.39	1 3/16-18UNEF
22	40.08	42.37	43.39	34.87	14.12	14.91	1.98	2.80	32.39	1 5/16-18UNEF
24	43.26	45.51	46.53	38.05	14.96	15.75	1.98	2.80	32.39	1 7/16-18UNEF

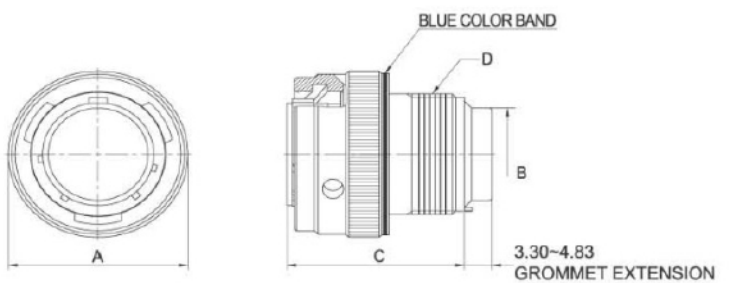
Connector Dimensions

MS3475
Straight Plug (RFI Shielded)



Shell size	øA max	øB max	C max	D THD-2A
8	19.86	7.75	31.24	1/20-20UNF
10	23.52	10.29	31.24	5/8-24UNEF
12	26.49	13.49	31.24	3/4-20UNEF
14	30.04	16.89	31.24	7/8-20UNEF
16	33.15	20.07	31.24	1-20UNEF
18	35.33	22.07	31.24	1 1/16-18UNEF
20	38.89	25.25	31.24	1 3/16-18UNEF
22	42.05	28.42	31.24	1 5/16-18UNEF
24	45.14	31.60	31.24	1 7/16-18UNEF

MS3476
Straight Plug



Shell size	øA max	øB max	C max	D THD-2A
8	19.86	7.75	31.24	1/20-20UNF
10	23.52	10.29	31.24	5/8-24UNEF
12	26.49	13.49	31.24	3/4-20UNEF
14	30.04	16.89	31.24	7/8-20UNEF
16	33.15	20.07	31.24	1-20UNEF
18	35.33	22.07	31.24	1 1/16-18UNEF
20	38.89	25.25	31.24	1 3/16-18UNEF
22	42.05	28.42	31.24	1 5/16-18UNEF
24	45.14	31.60	31.24	1 7/16-18UNEF

Sealing Plug

Contact Size	Military No.	Color Code
20	MS27488-20	Red
16	MS27488-16	Blue
12	MS27488-12	Yellow

Insertion / Removal Tools

Contact Size	Color Code	Military No.
20	Red / White	M81969/14-11
16	Blue / White	M81969/14-03
12	Yellow / White	M81969/14-04

Contacts

Contact Size	Wire Range		Contact [Military No.]	
	AWG	mm²	PIN	SOCKET
20	20 – 24	0.2 – 0.6	M39029/4-110	M39029/5-115
16	16 – 20	0.5 – 1.4	M39029/4-111	M39029/5-116
12	12 – 14	2.0 – 3.0	M39029/4-113	M39029/5-118

Crimping Tools

Contact Size	Wire Range		Finished Wire Dia. Range mm²	Crimping Tool	Turnet / Positioner
	AWG	mm²			
20	20 – 24	0.2 – 0.6	1.02 – 2.11	M22520/1-01, /2-01	M22520/1-02, /2-02
16	16 – 20	0.5 – 1.4	1.34 – 2.62	M22520/1-01	M22520/1-02
12	12 – 14	2.0 – 3.0	2.46 – 4.01	M22520/1-01	M22520/1-02

概述 (Overview)

HWVG卡口连接器依照VG95234标准制造，实践证明卡口连接方式比螺纹MIL-C-5015系列，更加的简单的装配和拆卸。该系列产品拥有防水，防振动和简单装配和拆卸。产品主要应用于通讯设备、飞机船舶、电动机车等恶劣环境。

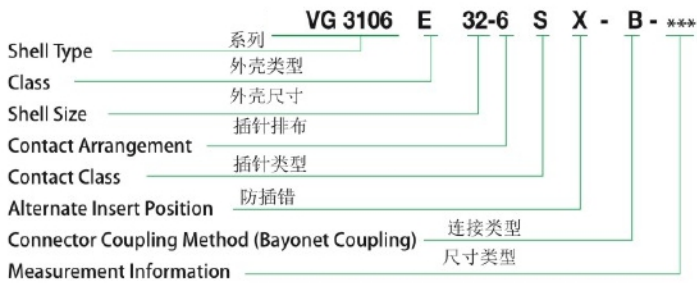
The HWVG-Bayonet Connector Series was designed in accordance with the VG95234 specification. The connectors’ bayonet coupling method, improved from screw-type MIL-DTL-5015, provide easy mating/unmating. The product was designed to be used for protection from penetration of fluids by vibration and provides easy mating/unmating. It is used as parts and communication devices in aircraft and military vehicles, electric vehicles, and ships.



VG Series
VG95234 Style Connector



概述 (Ordering Information)

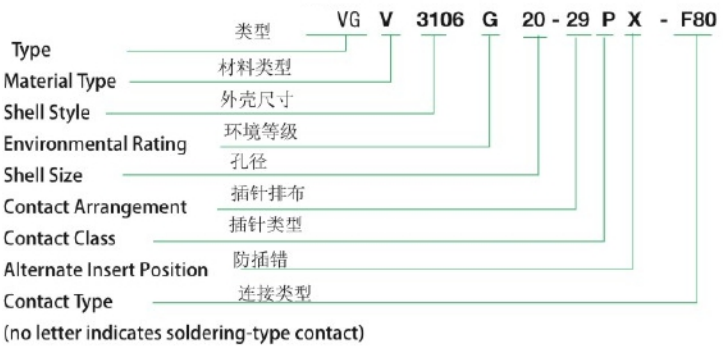


Shell type	Connector Coupling Method
VG3100 - Wall Mounting Receptacle 墙式安装插座	Bayonet Coupling 连接方式
VG3101 - Cable Connection Plug 电缆连接插座	Measurement Information
VG3102 - Box Mounting Receptacle 盒式安装插座	01-Metric clamping contact 公制夹紧连接
VG3106 - Plug, Straight 直插头	02-Uses heat shrink boots in adaptor. AWG clamping contact 热缩套管, 美制夹紧连接
TBF - Bulkhead Receptacle 隔板式安装插座	03-Uses heat shrink boots in adaptor. Metric clamping contact 热缩套管, 公制夹紧连接
Environmental rating	04-Rear Mount. Screw-type hole flange. Metric clamping contact 尾部安装, 螺纹孔法兰, 公制夹紧连接
E - appropriately uses clamp and bushings inflexible rubber insulator and end bell. E - 适用尾夹、套管 橡胶绝缘体	05-Rear Mount. Screw-type hole flange. Soldering type contact (VG3100, VG3102, TBF applied) 尾部安装, 螺纹孔法兰, 焊接式连接
Shell size	06 - Heat shrink boot adaptor. Screw-type hole flange. Soldering type contact 带热缩套管, 螺纹式法兰, 焊接式连接
10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36	08-90° end bell. Screw-type hole flange (VG3100 applied) 90° 弯角, 螺纹孔法兰 (适用 VG3100)
Contact Arrangement	09-90° end bell. Through-hole flange (VG3100 applied) 90° 弯角, 通孔法兰 (适用 VG3100)
Refer to the VG95234 specification and MIL-STD-1651. 插针排布	13 - shield version. Soldering type contact 保护罩种类, 焊接式连接
Contact Class	14 - shield version. Metric clamping contact. 保护罩种类, 公制夹紧连接
P - Pin Contact 插针	15 - shield version. AWG clamping contact. 保护罩种类, 英制夹紧连接
S - Socket Contact 插孔	32 - end bell structure for shield system cable. MTV6145-005. 屏蔽电缆结构, MTV6145-005
Alternate Insert Position	109-F80. Rear Amount. Screw-type flange(VG3102 applied) 压接, 插针后部数量, 螺纹法兰 (适用VG3102)
Refer to the VG95234 specification and MIL-STD-1651. 防插错表格	111 - Rear amount. screw-type flange(VG3102 applied). Soldering type contact. 插针后部数量, 螺纹连接 (适用VG3102), 焊接式连接
	F80-AWG clamping contact. 压接, 英制夹紧连接
	A232 - Zinc cobalt plating(black) A232 - 锌钴镀层(黑色)

VG Series
VG95234 Style Connector



概述 (Ordering Information)



Product Type	Environmental Rating
VG-General connector 一般连接	It is based on the accessories and backshell that seal according to each rating.
VGG-EMI Ground Finger type connector	根据各服务等级的配件和尾部密封
接触型连接器	G - heat shrink boots are used for end bell accessories.
Material Type	includes grommet and bushing. (applicable to 01,00,030,06)
Blank - Standard(CR) insulator 空白-氯丁橡胶	带热缩套管的尾部附件, 包含金属扣和套管
V - Silicon(SR) insulator V-硅胶	
Shell Style	AG - excludes grommet and bushing from G rating 不包含垫圈和套管
01 - In-Line Receptacle 电缆连接插座	R - other accessories are used for end bell accessories. includes grommet and bushing. (08-90 end bell) 一般尾部附件, 包含垫片和套管
02/00 - Front Panel Mount Receptacle 盒式安装插座	SB - EMI blade and heat shrink boots used. includes grommet and bushing. 防电磁干扰和热缩套管, 包含垫片和套管
03/030 - Rear Panel Mount Receptacle 后面安装插座	SBT - EMI blade, heat shrink ring and heat shrink boots used. includes grommet and bushing. 防电磁干扰, 高温扣环和热缩套管, 包含垫片和套管
06 - Straight Plug 直插头	F - includes cable clamp and rubber bushing. 包含电缆夹和橡胶套管
07 - Single Hole Mount Jamnut Receptacle, No Rear Thread 单孔安装, 前螺母连接, 没有后螺母	AF- excludes grommet and bushing from F rating 不含电缆夹和套管
070 - Single Hole Mount Jamnut Receptacle, With Rear Thread 单孔安装, 前锁紧螺母安装, 后螺纹连接	FP - the panel mounting hole is a through-hole type 面板安装带法兰
08 - 90° Plug 90° 插头	RG - EMI coil ground finger type (applicable to 07, 070) 防电磁干扰接地式
Shell Size	Contact class
10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36	P - Pin Contact 插针
Contact Arrangement	S - Socket Contact 插孔
Refer to the VG95234 specification and MIL-STD-1651.	
Alternate Insert Position	
Refer to the VG95234 specification and MIL-STD-1651.	
Contact Type	
F80-AWG clamping contact 美制插针	
CR-Metric clamping contact 公制插针	
Blank - soldering contact 焊接	

VG Series

VG95234 Style Connector

技术参数 (Technical Data)

Electrical Information

Electrical Information (+20℃)		
Contact Rating		Max. Current
Metric	AWG	A
10	-	8
15/15S	16/16S	22
25	12	41
60/100	8	74
160	4	135
500	0	245

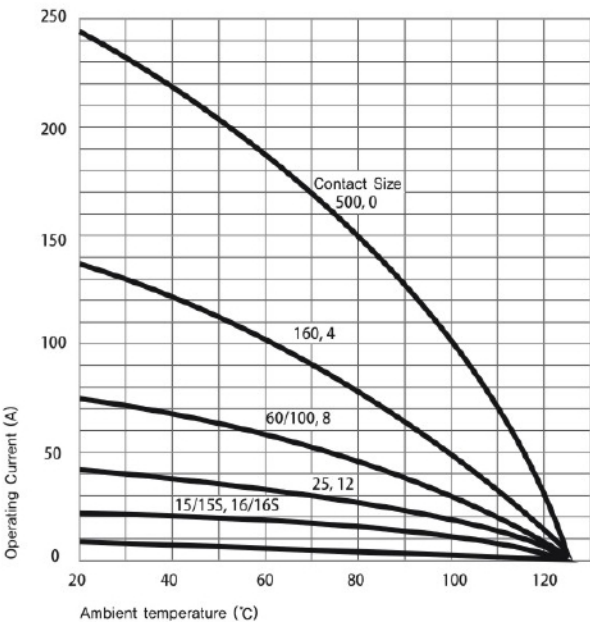
Contact Resistance

满足测试VG95319好测试条件VG95210标准
标准绝缘体>1000MΩ
硅胶绝缘体>5000MΩ

Required to meet the testing no. 5.12 in Part 2 of VG95319
and testing condition B in Part 32 of VG95210.

Standard(CR) insulator > 1000MΩ
Silicon(SR) insulator > 5000MΩ

Current Rating (according to ambient temperature)



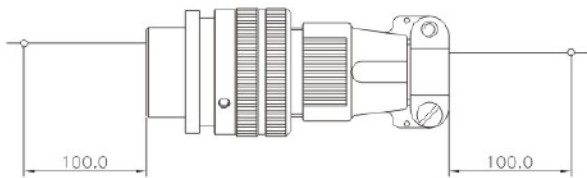
Contact Resistance (Milivolt testing)

Voltage testing per service rating	
Service Rating	Testing Voltage (Vrms)
Instruments	1050
A	1600
B	4000
D	2500
E	3000

Required to meet the testing no. 5.13 in Part 2 of VG95319 and Part 31 of VG95210

Air and Creepage Paths(Min.) (UNIT: mm)				
Voltage Rating	Instr.	A	D	E
Air and Creepage Paths	0.70	1.10	2.80	4.80

Contact Resistance (Milivolt testing)



Contact Resistance is tested according to the testing no. 5.10.1 in Part 2 of VG95234 and Part 37 of VG95210.
It represents the actually measured point.

Contact Rating		Max. Current
Metric	AWG	mΩ
10	-	12
15S/15	16/16S	6
25	12	3
60/100	8	1
160	4	0.5
500	0	0.2

VG Series

VG95234 Style Connector

技术参数 (Technical Data)

Mechanical characteristics

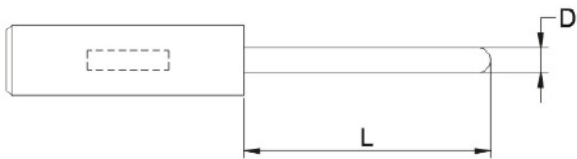
Ambient temperature	
Material	Temperature range
Standard(CR) insulator	-55℃ ~ +125℃
Silicon(SR) insulator	-30℃ ~ +200℃
Vibration testing	20 10~2000Hz
Coupling testing	Min. 500 times

Contact Separating Force

Contact Size		Separating Force(Min)	
Metric	AWG	N	Gauge
10	-	0.30	G 0.99
15S/15	16S/16	1.00	G 1.56
25	12	1.50	G 2.36
60/100	8	3.00	G 3.58
160	4	4.00	G 5.69
500	0	8.50	G 9.04

Separating force needs to be measured accurately according to the testing no. 5.7 in Part 2 of VG95319. A testing gauge is used.

Gauge (VG95234, Part 1)



Gauge	D +0.01 -0.00	L +0.00 -1.00
G 0.99	0.99	7.00
G 1.56	1.56	9.00
G 2.36	2.36	12.00
G 3.58	3.58	13.00
G 5.69	5.69	13.00
G 9.04	9.04	13.00

Coupling Torque

Shell Size	Approved Coupling Torque	
	Locking and unlocking Nm Max.	unlocking Nm Min
10SL	1.70	0.15
14S	3.60	0.35
16S/16	5.50	0.46
18	8.00	0.58
20	9.00	0.70
22	11.00	0.80
24	14.00	0.80
28	17.00	0.92
32	19.00	1.03
36	23.00	1.03

Coupling torque is tested according to the testing no. 5.8.2 in Part 2 of VG95319.

Contact Retention Force

Contact Size		Testing power
Metric	AWG	N
10	-	30
15S/15	16S/16	35
25	12	55
60/100	8	80
160	4	90
500	0	95

Contact Retention Testing must meet the testing no. 5.4 in Part 2 of VG95319.
Testing power direction = locking direction.

Material and protection coating

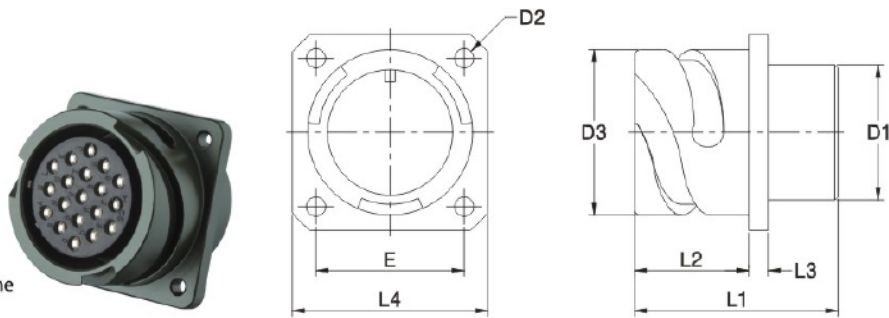
Body	aluminum alloy
Standard protection coating	cadmium plating(viridescent color) on top
Substitute protection coating	Zinc cobalt plating(black
Insulator and grommet	Chloroprene Rubber(standard)
	Silicone Rubber(for high temperature)
Contact	Copper alloy
Protection coating	Hard silver plating

VG Series(VG95234)

Box Mounting Receptacle 盒式安装插座

VG95234 Style A

尺寸测量信息:
VG3102E-B和(-04,-109,-111)系列
后部方形法兰安装
面板(法兰固定在面板前)
面板安装是螺纹式
Refer to the measurement information following
VG3102E-B and options. Square fange type and
mounted in front of the panel (panel is positioned at the
back of ￡ange). Panel mounting hole is a hole type.

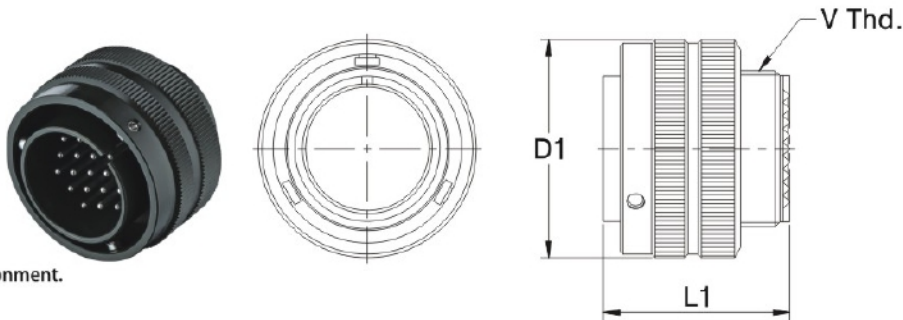


UNIT: mm

Part Number	D1 Max.	D2 H13	D3 +0.00 -0.15	E ±0.1	L1 ±0.3	L2 +0.4 -0.0	L3 ±0.2	L4 ±0.3
VG3102E10SL-**-B-***	16.2	3.2	18.20	18.2	24.7	14.2	2.8	25.4
VG3102E125-**-B-***	16.2	3.2	21.40	20.6	24.7	14.2	3.2	28.0
VG3102E145-**-B-***	19.2	3.2	24.60	23.0	24.7	14.2	3.2	30.0
VG3102E165-**-B-***	22.4	3.2	27.40	24.6	24.7	14.2	3.2	32.5
VG3102E16-**-B-***	22.4	3.2	27.40	24.6	33.8	19.0	3.2	32.5
VG3102E18-**-B-***	25.6	3.2	30.80	27.0	33.8	19.0	4.0	35.0
VG3102E20-**-B-***	29.0	3.2	34.20	29.4	33.8	19.0	4.0	38.4
VG3102E22-**-B-***	32.0	3.2	37.40	31.8	33.8	19.0	4.0	41.0
VG3102E24-**-B-***	35.3	3.7	40.90	34.9	33.8	20.6	4.0	44.5
VG3102E28-**-B-***	41.4	3.7	46.70	39.7	33.8	20.6	4.0	50.8
VG3102E32-**-B-***	47.8	4.3	53.40	44.5	33.8	22.2	4.0	57.0
VG3102E36-**-B-***	52.6	4.3	59.60	49.2	33.8	22.2	4.0	63.5

Straight Plug 直插头

尺寸测量信息:
VG06系列
直插头。没有配件
可以使用不同环境的配件
Refer to the measurement information following
VG06 and options.
VGG06 - EMI finger type plug.
A plug connector and with no accessories.
Can use separate accessories suitable for the environment.



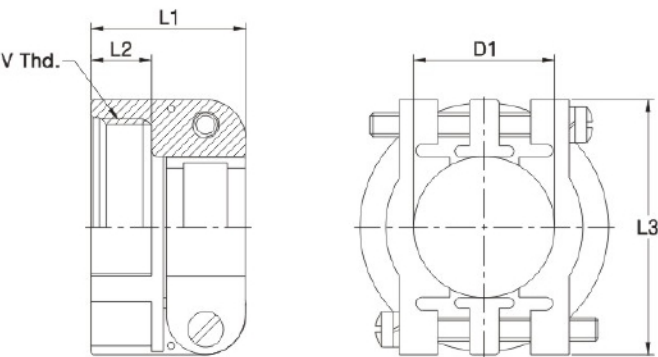
UNIT: mm

Part Number	D1 Max.	L1 ±0.3	V Thread. (Class : 2A)
VG*06-10SL-**-***	22.8	24.6	5/8-24UNEF
VG*06-145-**-***	29.2	24.6	3/4-20UNEF
VG*06-165-**-***	33.0	24.6	7/8-20UNEF
VG*06-16-**-***	33.0	34.1	7/8-20UNEF
VG*06-18-**-***	36.5	34.1	1-20UNEF
VG*06-20-**-***	39.9	34.1	1 1/8-18UNEF
VG*06-22-**-***	43.1	34.1	1 1/4-18UNEF
VG*06-24-**-***	46.6	35.7	1 3/8-18UNEF
VG*06-28-**-***	53.4	35.7	1 5/8-18UNEF
VG*06-32-**-***	60.1	37.3	1 7/8-16UN
VG*06-36-**-***	66.3	37.3	2 1/16-16UN

Accessories

Cable Clamps 尾夹

VG95234 Style KK



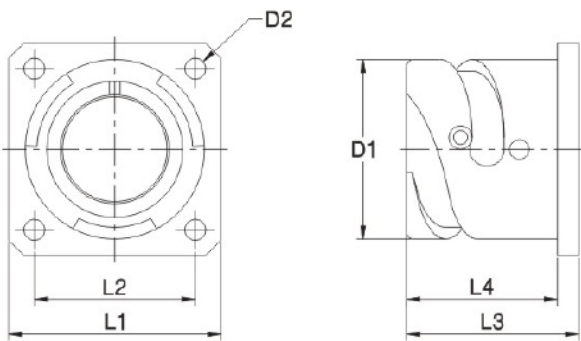
UNIT: mm

Shell size	Part Number	D1 Max.	L1 Max.	L2 Max.	L3 Max.	V Thread. (Class : 2B)
10SL	VG 3057-4A	7.9	20.8	10.5	22.5	5/8-24UNEF
145	VG 3057-6A	11.1	22.4	10.5	27.4	3/4-20UNEF
165 & 16	VG 3057-8A	14.2	24.0	10.5	29.8	7/8-20UNEF
18	VG 3057-10A	15.8	24.0	10.5	32.2	1-20UNEF
20 & 22	VG 3057-12A	19.0	24.0	10.5	37.4	1 3/16-18UNEF
24 & 28	VG 3057-16A	23.7	26.4	10.5	43.5	1 7/16-18UNEF
32	VG 3057-20A	31.8	28.0	12.0	51.7	1 3/4-18UNS
36	VG 3057-24A	34.6	29.6	13.7	57.8	2-18UNS

Dummy Receptacle 虚拟母座

VG95234 Style BOD

安装在面板的前面。
面板安装孔孔。
Installed in front of the panel.
Panel mounting hole is a through-hole.



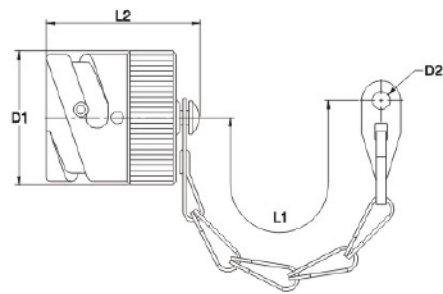
UNIT: mm

Shell size	Part Number	D1 +0.00 -0.15	D2 ±0.2	L1 ±0.3	L2 ±0.1	L3 Max.	L4 +0.3 -0.0
10SL	VG 3105E10SLB	18.20	3.2	25.4	18.2	17.5	14.2
145	VG 3105E145-B	24.60	3.2	30.0	23.0	18.0	14.2
165	VG 3105E165-B	27.40	3.2	32.5	24.6	18.0	14.2
16	VG 3105E16-B	27.40	3.2	32.5	24.6	23.5	19.0
18	VG 3105E18-B	30.80	3.2	35.0	27.0	23.5	19.0
20	VG 3105E20-B	34.20	3.2	38.0	29.4	23.5	19.0
22	VG 3105E22-B	37.40	3.2	41.0	31.8	23.5	19.0
24	VG 3105E24-B	40.90	3.7	44.5	34.9	25.5	20.6
28	VG 3105E28-B	46.70	3.7	50.8	39.7	25.5	20.6
32	VG 3105E32-B	53.40	4.3	57.0	44.5	27.0	22.2
36	VG 3105E36-B	59.60	4.3	63.5	49.2	27.0	22.2

Accessories

Metal Dust Caps With Chain 带链金属防尘盖

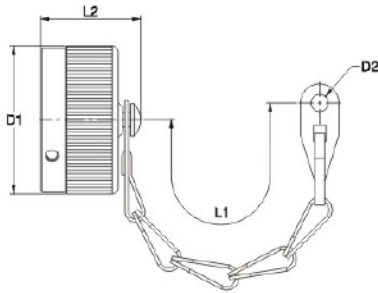
VG95234KB Style



UNIT: mm

Part Number	D1 Max.	D2 +0.5 -0.2	L1	L2 Max.
VG95234KB10SL	21.0	4.3	90.0	29.0
VG95234KB14S	27.5	4.3	100.0	29.0
VG95234KB16S	30.0	4.3	100.0	29.0
VG95234KB16	30.0	4.3	115.0	37.0
VG95234KB18	33.5	4.3	115.0	37.0
VG95234KB20	37.5	4.7	130.0	37.0
VG95234KB22	40.0	4.7	130.0	37.0
VG95234KB24	43.5	4.7	130.0	37.0
VG95234KB28	49.5	4.7	190.0	37.0
VG95234KB32	56.0	5.5	190.0	37.0
VG95234KB36	62.5	5.5	190.0	37.0

VG95234KR Style

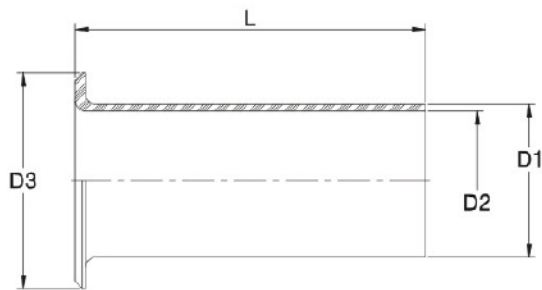


Part Number	D1 Max.	D2 +0.5 -0.2	L1	L2 Max.
VG95234KB10SL	23.5	4.3	90.0	20.0
VG95234KB14S	30.5	4.3	90.0	20.0
VG95234KB16S	33.0	4.3	90.0	20.0
VG95234KB16	33.0	4.3	100.0	25.0
VG95234KB18	37.5	4.3	100.0	25.0
VG95234KB20	41.0	4.3	115.0	25.0
VG95234KB22	44.0	4.3	115.0	25.0
VG95234KB24	47.5	4.3	115.0	25.0
VG95234KB28	54.5	5.5	160.0	25.0
VG95234KB32	61.0	5.5	160.0	25.0
VG95234KB36	67.5	5.5	160.0	25.0

Rubber Bushing 套管

使用 MS3057 电缆夹。

used with LMS3057 cable clamp.



UNIT: mm

Part Number	D1	D2	D3	L
VG3420-4	7.7	5.58	12.8	69.8
VG3420-6	10.8	7.92	15.7	66.8
VG3420-8	14.0	11.09	18.8	63.5
VG3420-10	15.6	14.27	22.6	60.3
VG3420-12	18.8	15.87	27.5	57.1
VG3420-16	23.5	19.05	33.3	53.9
VG3420-20	31.5	23.79	40.5	50.8
VG3420-24	34.7	31.75	46.9	47.6

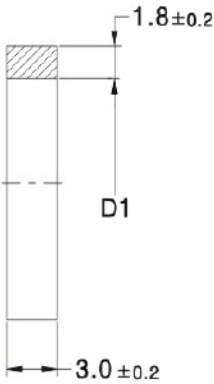
Part Number	D1	D2	D3	L
VG95234KT10SL	8.0	6.6	10.0	70.0
VG95234KT14S	10.9	9.1	12.7	67.0
VG95234KT24&28	23.6	21.5	33.3	54.0
VG95234KT32	31.5	26.8	40.4	51.0

Accessories

Angular O-Ring for sealing O型密封圈

插头

For plugs



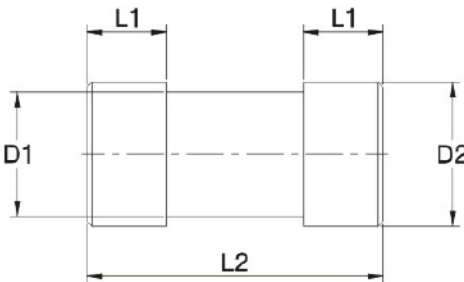
UNIT: mm

Size	D1
10SL	9.0
14S	14.0
16S	17.0
16	17.0
18	19.5
20	22.5
22	25.4
24	28.5
28	34.0
32	40.0
36	45.0

Sealing plug 橡胶套管

用于尾夹的套管

Used for sealing holes that are not connected with wires at the back of connector.



UNIT: mm

Size	Part Number	Contact size		D1 ±0.1	D2 ±0.2	L1 ±0.1	L2 ±0.3	Color
		Metric	AWG					
20	VG95234B20	10	-	2.3	3.0	2.4	9.7	Red
16	VG95234B16	15S/15	16S/16	2.8	3.7	3.2	11.9	Blue
12	VG95234B12	25	12	3.7	4.6	3.2	11.9	Yellow
8	VG95234B08	60/100	8	5.0	5.8	3.2	11.9	White
4	VG95234B04	160	4	7.6	8.5	3.2	11.9	Green
0	VG95234B00	500	0	12.8	13.5	3.2	11.9	Black

Information about Insulator Contact Arrangement 插针排布表格

Contact Arrange- ment	VG. Contact Arrange- ment	Service Rating	Total No. of Contact	Contact Size										Alternate Insert Position			
				Metric/AWG				Metric						W	X	Y	Z
				15S/16S	15/16	25/12	8	4	0	60	100	160	500				
10SL-3	10SL-3	A	3	3													
10SL-4	10SL-4	A	2	2													
14S-1		A	3	3													
14S-5		I	5	5									110				
14S-6	14S-6	I	6	6													
14S-12		A	3	3													
16S-1	16S-1	A	7	7									80			280	
16-10	16-10	A	3			3							90	180	270		
16-11		A	2			2							35	110	250	325	
16-12	16-12	A	1					1			1						
18-1	18-1	A, I	10		10								70	145		290	
18-5		D	3		1	2							80	110	250	280	
18-8		A	8		7	1							70			290	
18-10		A	4			4								120	240		
18-11	18-11	A	5			5								170	265		
18-12		A	6		6								80			280	
18-19		A	10		10									120	240		
18-21		A	3			3											
20-2	20-2	D	1					1				1					
20-3		D	3			3							70	145	215	290	
20A9	20A9	D, I	9			9								110	250		
20-11		I	13		13												
20-19		A	3				3						90	180	270		
20-22		A	6		3		3						80	110	250	280	
20-23		A	2				2						35	110	250	325	
20-29		A	17		17								80			280	
20A48	20A48	I	19		19										80	280	
22-2	22-2	D	3				3						70	145	215	290	
22-12	22-12	D	5		3		2			2			80	110	250	280	
22-14	22-14	A	19		19								80			280	
22-21		A	3		2			1					80	110	250	280	
22-22	22-22	A	4				4			4				110	250		
22-23		A, D	8			8							35		250		
24-9		A	2					2					35	110	250	325	
24-10	24-10	A	7				7			7			80			280	
24-11	24-11	A	9			6	3			3			35	110	250	325	
24-12	24-12	A	5			3		2					80	110	250	280	
24-20		D	11		9	2							80	110	250	280	
24-22		D	4				4						45	110	250		
24-28		I	24		24								80	110	250	280	
24-67		A	19			19							80			335	
24A28		I	28		28									65	146	235	
28-5		D	5		2	1		2					35	110	250	325	
28-6		D	3					3					70	145	215	290	
28-9		D	12		6	6							80	110	250	280	
28-10		A, D	7			3	2	2					80	110	250	280	
28-11	28-11	A	22		18	4							80	110	250	280	
28-15		A	35		35								80	110	250	280	
28-21	28-21	A	37		37								80	110	250	280	
28-22		D	6		3			3					70	145	215	290	
28A16		A, I	9		5			4									
32-1	32-1	E, D	5			3		2				2	80	110	250	280	
32-5		D	2					2					35	110	250	325	
32-7	32-7	A, I	35		28	7							80	125	235	280	
32-15		D	8			6			2				35	110	250	325	
32-17		D	4					4					45	110	250		
32A-5		A	5					5					90	180	270		
32A-22		A	22		20			2					55	135	230	295	
36-3		D	6			3		3					70	145	215	290	
36-5	36-5	A	4					4				4		120	240		
36-6	36-6	A	6					4	2				35	110	250	325	

The above arrangement has been developed by the Company for VG95234 specification and MIL-STD-1651 arrangement.
* For other necessary arrangement than the above arrangement, refer to the MIL-STD-1651 arrangement and contact the Company for development of other arrangements.

VG95234 插针排布 (Contact Arrangements)

Shell Size 10

10SL-3
3
#16
A

10SL-4
2
#16
A

Shell Size 14

14S-1
3
#16
A

14S-5
5
#16
Instr.

14S-6
6
#16
Instr.

14S-12
3
#16
A

Shell Size 16

16S-1
7
#16
A

16-10
3
#12
A

Shell Size 16

16-11
2
#12
A

16-12
1
#4
A

Shell Size 18

18-1
10
#16
A
(B,C,F,G)
Instr.
(all others)

18-5
3
#12-2, #16-1
D

18-8
8
#12-1, #16-7
A

18-10
4
#12
A

18-11
5
#12
A

Shell Size 18

18-12
6
#16
A

18-19
10
#16
A

18-21
3
#12
A

Shell Size 20

20-2
1
#0
D

20-3
3
#12
D

20A9
9
#12
D(C)
Instr.
(all others)

Shell Size 20

20-11
13
#16
Instr.

20-19
3
#8
A

20-22
6
#8-3, #16-3
A

20-23
2
#8
A

20-29
17
#16
A

20A48
19
#16
Instr.

Shell Size 22

22-2
3
#8
D

22-12
5
#8-2, #16-3
D

22-14
19
#16
A

22-21
3
#0-1, #16-2
A

22-22
4
#8
A

Shell Size 22

22-23
8
#12
D(H)
A
(all others)

Shell Size 24

24-9
2
#4
A

24-10
7
#8
A

24-11
9
#8-3, #12-6
A

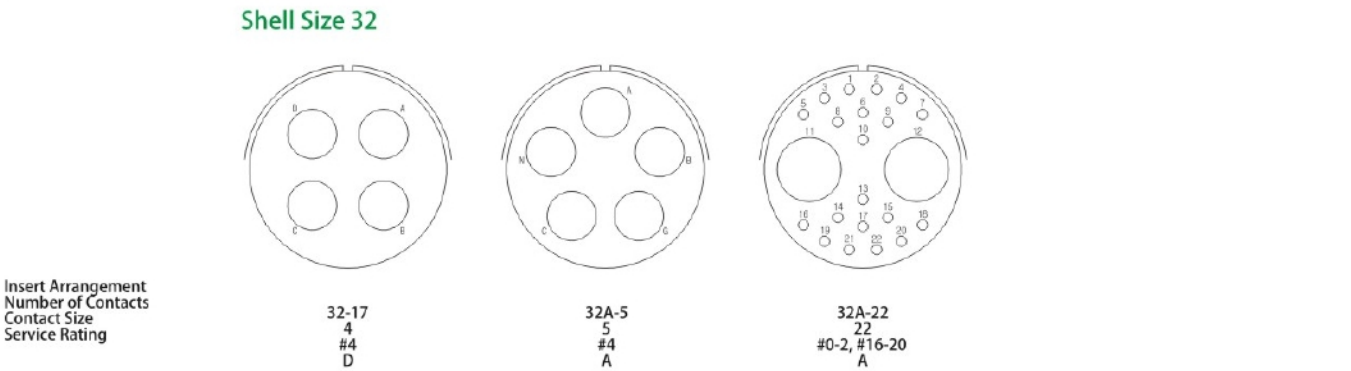
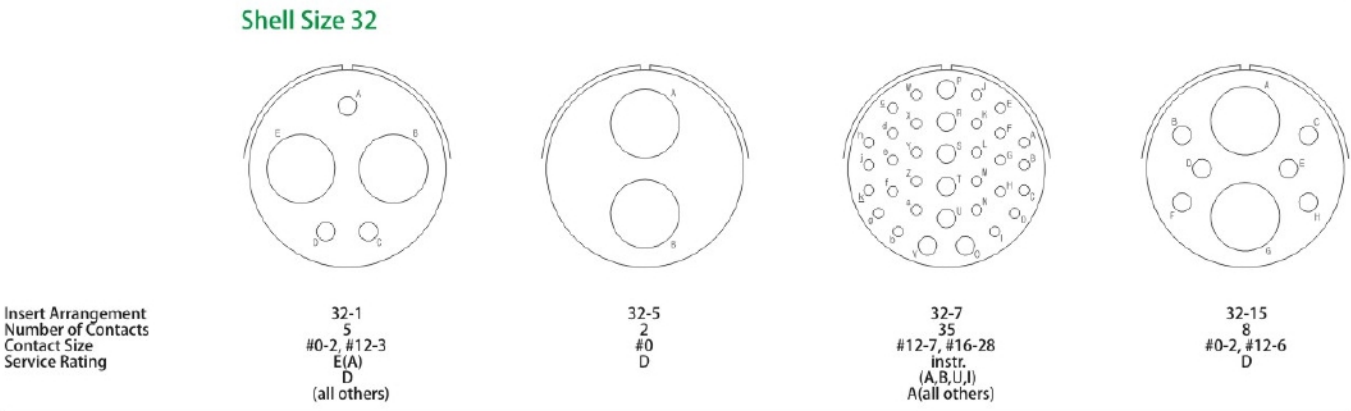
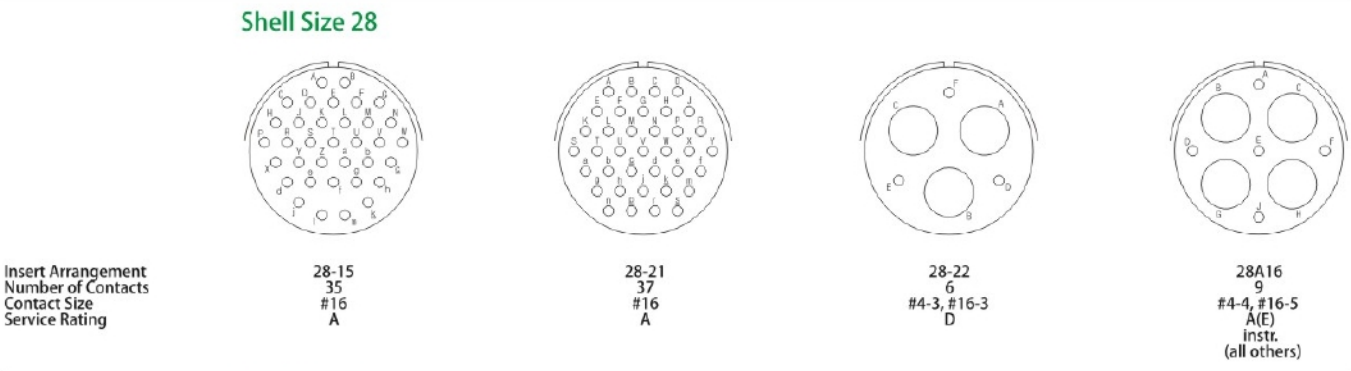
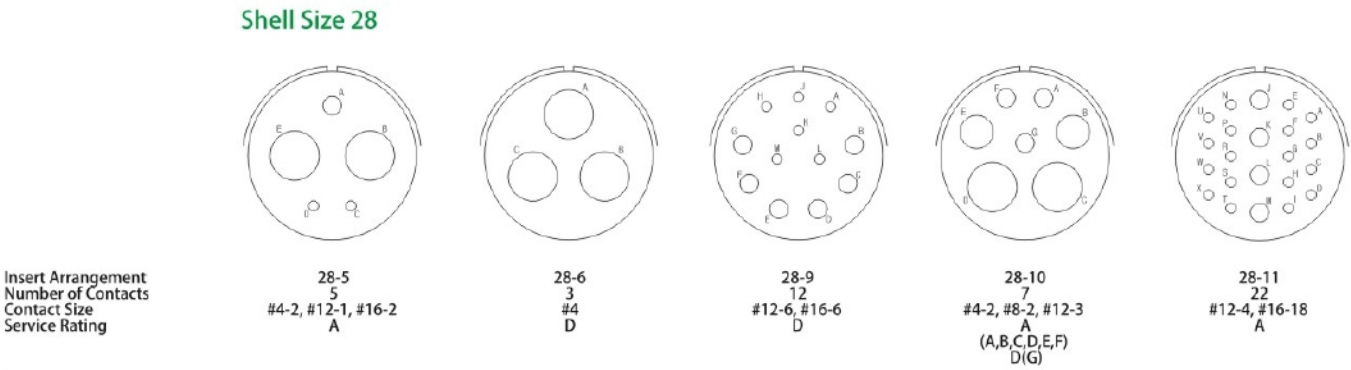
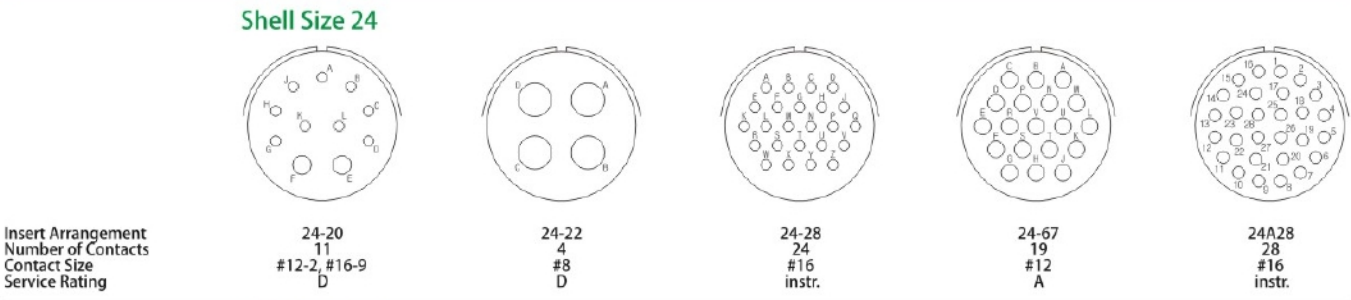
24-12
5
#4-2, #12-3
A

1. viewed from the front of Pin insert (+ insulator)
2. Contact the Company for other information not contained in the above figure.

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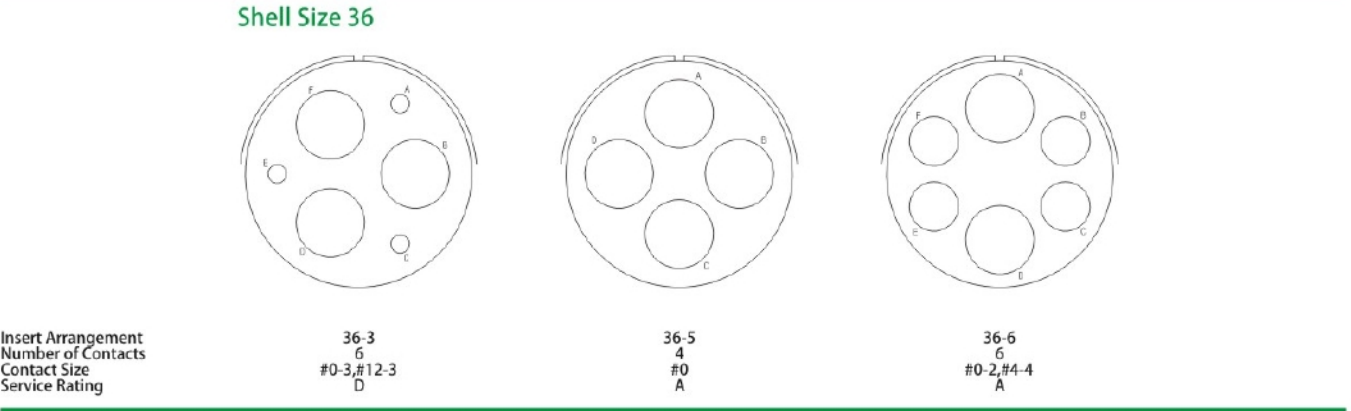
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VG95234 插针排布 (Contact Arrangements)



1. viewed from the front of Pin insert (+ insulator)
2. Contact the Company for other information not contained in the above figure.

VG95234 插针排布 (Contact Arrangements)

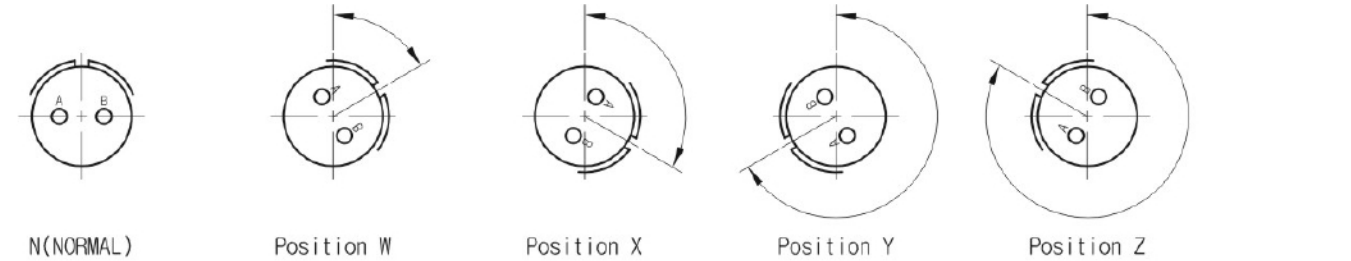


1. viewed from the front of Pin insert (+ insulator)
2. Contact the Company for other information not contained in the above figure.

防插错 (Alternate Insert Positions)

不同的旋转锁头，W, X, Y, Z。没有字母绝缘体，锁头位于中心线。
VG95234和MIL-STD-1651绝缘体装置和旋转角度
如有替他要求，请联系

It rotates following the key rotation letters W, X, Y, and Z. If there is no letter or the letter is N, insulator key hole is located at the center line.
Insulator arrangement and rotation position of the connector follows VG95234 specification and MIL-STD-1651.
Contact the Company for other possible arrangement that can be developed.



View looking into front face of pin insert or rear of socket insert.