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產品型號
Ordering Information



MS 3101
連線接頭
Cable Connecting Plug



MS 3102
械外插座
Box Mounting Receptacle



MS 3106
直管接頭
Straight Plug



MS 3108
轉管接頭
90° angle Plug

MS	3106	A	20 - 16	P	W
Prefix 軍用規格 MS Military Standard					接點方位 Alternate Polarization Blank (Normal) W.X.Y.Z
樣式Shell Style 表一-Ref. Table 1.					Contact Type 導針P=Pin/Male 導稍S=Socket/ Female
種類Service Class 表二-Ref. Table 2.					接點規格 Insert Arrangement
外殼、本體編號 Shell Size					

表一 TABLE I. SHELL STYLE

Shell Style	MS No.	Description	Available Class
00	MS3100	Wall mounting receptacle	A.E/F.R
01	MS3101	Cable connecting plug	A.E/F.R
02	MS3102	Box mounting receptacle	A.B.F/F.R
06	MS3106	Straight plug	A.B.E/F.R
08	MS3108	90° angle plug	A.B.E/F.R
-	MS25183	Plug with potting cup	-

表二 TABLE II. SERVICE CLASS

Class	Description
A	Solid shell. Solder contacts & none pressured. 單一外殼(標準型)
B	Split shell, Solder contact & none pressured. 分割外殼, 轉動接點
E/F	Environmental use 用於環境保護
R	Solder contacts with grommet seal and without clamp 附墊圈及密封套

接頭電壓表 *Electrical Specification*

各式接頭使用電壓 Voltage Ratings

Class	Operating Volt AC	Operating Volt DC	Test rms
Inst.	200	250	1,000
A	500	700	2,000
D	900	1,250	2,800
E	1,250	1,750	3,500
B	1,750	2,450	4,500
C	3,000	4,200	7,000

接點電壓 Voltage Ratings

Contact Size	Operating Current.	Test Current Amps.	Voltage Drop mV
16	13	20	21
12	23	35	20
8	46	60	12
4	80	110	10
0	150	200	10

材質 *Standard Material and Finishes*

外殼Shell (MIL-STD)	鋁合金壓鑄Aluminum alloy, conductive olive drab chromate over cadmium (Consult Factory for Commercial options.)
絕緣體Insulator	人工橡膠 Synthetic Rubber (B-Type = Epoxy resin)
墊圈封套 Grommet and seal	人工橡膠 Synthetic Rubber
接點 Contacts	銀鍍銅合金Copper alloy with silver plate
熱衝擊 Temperature Range	-55°C to 125°C
Environmental Protection per MIL-C-5015 (MIL-STD 202)	

主要特性 *Characteristics*

絕緣抵抗Insulating Resistance	5,000MΩ Minimum (at 25°C)
熱衝擊Temperature Range	-55°C to 125°C
耐久性Durability	500 Cycle Connector/ Disconnection

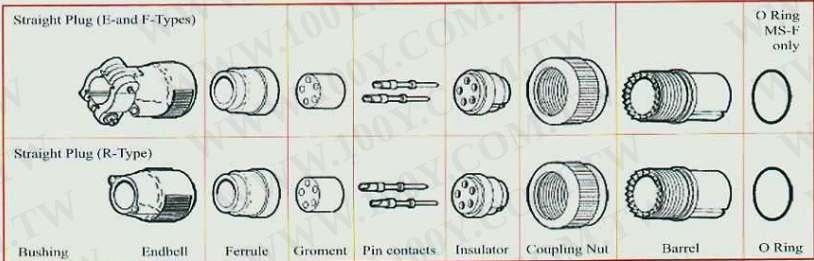
接點規格 MS5015 Insert Arrangement

Insert	No. of Contacts	Voltage Class	Contact Types				
			0	4	8	12	16
10SL-3	3	A					3
10SL-4	2	A					2
14S-1	3	A					3
14S-2	4	Inst.					4
14S-5	5	Inst.					5
14S-6	6	Inst.					6
14S-7	3	A					3
14S-9	2	A					2
16S-1	7	A					7
16S-4	2	D					2
16S-5	3	A					3
16S-8	5	A					5
16-9	4	A				2	2
16-10	3	A				3	
16-11	2	A				2	
18-1	10	A/Inst.					10
18-3	2	D				2	
18-4	4	D					4
18-5	3	D				2	1
18-8	8	A				1	7
18-9	7	Inst.				2	5
18-10	4	A				4	
18-11	5	A				5	
18-12	6	A					6
18-19	10	A					10
18-20	5	A					5
18-22	3	D					3
20-3	3	D					3
20-4	4	D					4
20-11	13	Inst.					13
20-15	7	A					7
20-16	9	A				2	7
20-17	6	A				5	1
20-18	9	A				3	6
20-19	3	A				3	
20-23	2	A				2	
20-27	14	A					14
20-29	17	A					17
20-33	11	A					11
22-1	8	D				8	
22-2	3	D				3	
22-5	6	D				2	4

Insert	No. of Contacts	Voltage Class	Contact Types				
			0	4	8	12	16
22-7	1	E	1				
22-10	4	E					4
22-14	19	A					19
22-19	14	A					14
22-22	4	A				4	
22-23	8	A/d			8		
24-2	7	D					7
24-6	8	A/D					8
24-7	16	A					2 14
24-10	7	A				7	
24-11	9	A				3	6
24-12	5	A			2		3
24-20	11	D				2	9
24-22	4	D				4	
24-28	24	Inst.					24
28-6	3	D			3		
28-9	12	D				6	6
28-10	7	A/D			2	2	3
28-11	22	A					4 18
28-12	26	A					26
28-15	35	A					35
28-17	15	A/B/D					15
28-19	10	A/B/D				4	6
28-20	14	A				10	4
28-21	37	A					37
28-22	6	D			3		3
32-1	5	D/E	2				3
32-6	23	A		2	3	2	16
32-7	35	A/Inst.				7	28
32-8	30	A				6	24
32-15	8	D	2				6
32-17	4	D		4			
32-22	54	A					54
36-1	22	D				4	18
36-3	6	D	3			3	
36-4	3	A/D	3				
36-5	4	A	4				
36-7	47	A				7	40
36-8	47	A				1	46
36-9	31	A		1	2	14	14
36-10	48	A					48

MIL-C-5015 Connectors MS-E/F/R 防水型接頭
ENVIRONMENTAL RESISTANT MS-E, MS-F, MS-R (Solder/Crimp Termination)

MS-E, MS-F and MS-R are similar to MS-A and MS-B connectors but have resilient insulators and wire sealing grommets for extreme environmental conditions and high altitude sealing. MS-E's and MS-F's have a mechanical cable clamp; the MS-R has a shorter, lighter weight endbell without the cable clamp. Both the MS-F and MS-R have 0 rings to supplement the interfacial seal. Shells are aluminum alloy. Contacts are silver plated copper alloy. In the latest revision of MIL-C-5015; a new class of environment-resistant connectors was added. This new class F connector supersedes the previous class E connector. The MS3106F is identical to the MS3106E except that the MS3106F has an "0" ring under the coupling nut. The class E will still be available upon request for existing programs, and upon ordering will also bear the E nomenclature on the shell. MS-F and MS-R connectors are designed to operate in the extreme environmental conditions of high altitude flight and must be completely sealed to withstand moisture, condensation, vibration, corona and flashover caused by high altitude environments. They have resilient grommet with internal restrictions in the wire cavities which act as 0 rings around the wires. This allows the wires to slide thru the grommet with a minimum of friction, yet when the ferrule is seated and the endbell tightened it provides a perfect wire seal thru a wide variety of wire diameters. This seal at the rear, plus the interfacial seal at the front, affects a completely environment-resistant assembly when the plug is mated to an F or R receptacle. Sockets are of the closed-entry type. The temperature range for this connector is -55°C (-67°F) to +125°C (+257°F) and meets the requirements of MIL-C-5015.



接點方位 Polarization
MS Alternate Insert Positions

All views are looking into front of pin insert of socket insert.



接點方位角度 Polarization

(註:請對照上頁圖示)

Insert	ANGULAR POS. (DEGREES) 角度			
	W	X	Y	Z
10SL-3	-	-	-	-
10SL-4	-	-	-	-
14S-1				
14S-2	-	120	240	-
14S-5	-	110	-	-
14S-6	-	-	-	-
14S-7	90	180	270	-
14S-9	70	145	215	290
16S-1	80	-	-	280
16S-4				
16S-5	70	145	215	290
16S-8	-	170	265	-
16-9	35	110	250	325
16-10	90	180	270	-
16-11	35	110	250	325
18-1	70	145	215	290
18-3	35	110	250	325
18-4	35	110	250	325
18-5	80	110	250	280
18-8	70	-	-	290
18-9	80	110	250	280
18-10	-	120	240	-
18-11	-	170	265	-
18-12	80	-	-	280
18-19	-	-	-	-
18-20	90	180	270	-
18-22	70	145	215	290
20-3	70	145	215	290
20-4	45	110	250	-
20-11	-	-	-	-
20-15	80	-	-	280
20-16	80	110	250	280
20-17	90	180	270	-
20-18	35	110	250	325
20-19	90	180	270	-
20-23	35	110	250	325
20-27	35	110	250	325
20-29	80	-	-	280
20-33	-	-	-	-
22-1	35	110	250	325
22-2	70	145	215	290
22-5	35	110	250	325

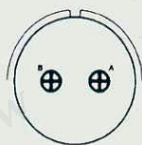
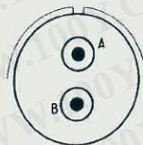
Insert	ANGULAR POS. (DEGREES) 角度			
	W	X	Y	Z
22-7	-	-	-	-
22-10	35	110	250	325
22-14	80	110	250	280
22-19	80	110	250	280
22-22	-	110	250	-
22-23	35	-	250	-
24-2	80	-	-	280
24-6	-	110	250	280
24-7	80	110	250	280
24-10	80	-	-	280
24-11	35	110	250	325
24-12	80	110	250	280
24-20	80	110	250	280
24-22	45	110	250	-
24-28	80	110	250	280
28-6	70	145	215	290
28-9	80	110	250	280
28-10	80	110	250	280
28-11	80	110	250	280
28-12	90	180	270	-
28-15	80	110	250	280
28-17	80	110	250	280
28-19	80	110	250	280
28-20	80	110	250	280
28-21	80	110	250	280
28-22	70	145	215	290
32-1	80	110	250	280
32-6	80	110	250	280
32-7	80	125	235	280
32-8	80	125	235	280
32-15	35	110	250	280
32-17	45	110	250	-
32-22				
36-1	80	110	250	280
36-3	70	145	215	290
36-4	70	145	215	290
36-5	-	120	240	-
36-7	80	110	250	280
36-8	80	125	235	280
36-9	80	125	235	280
36-10	80	125	235	280
Other consult factory for commercial options				

1 CONTACT

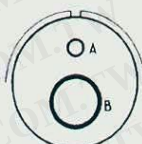
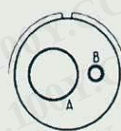
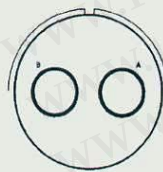
2 CONTACTS



型號 Insert arrangement	22-7	10 SL-4	14 S-9	16-11	18-3
接點數 No. of contacts	1	2	2	2	2
接點規格 Contacts size	0	16	16	12	12
電壓等級 Service rating	E	A	A	A	D



型號 Insert arrangement	20-23	22-1	22-8	22-11	24-9
接點數 No. of contacts	2	2	2	2	2
接點規格 Contacts size	8	8	12	16	4
電壓等級 Service rating	A	D	E	B	A

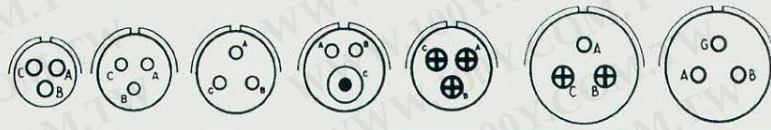


型號 Insert arrangement	28-7	18-14	20-12
接點數 No. of contacts	2	2	2
接點規格 Contacts size	4	1-4, 1-16	1-4, 1-16
電壓等級 Service rating	D	A	A

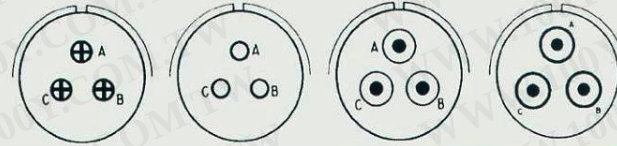
CONTACTS DIMENSIONS



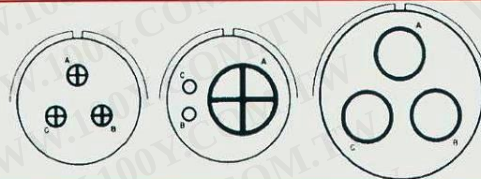
3 CONTACT



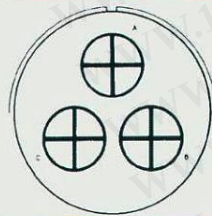
型號	Insert arrangement	10 SL-3	14 S-7	16 S-5	16-7	16-10	18-5	18-22
接點數	No. of contacts	3	3	3	3	3	3	3
接點規格	Contacts size	16	16	16	1-8, 2-16	12	2-12, 1-16	16
電壓等級	Service rating	A	A	A	A	A	D	D



型號	Insert arrangement	20-3	20-6	20-19	22-2
接點數	No. of contacts	3	3	3	3
接點規格	Contacts size	12	16	8	8
電壓等級	Service rating	D	D	A	D



型號	Insert arrangement	22-9	22-21	28-6
接點數	No. of contacts	3	3	3
接點規格	Contacts size	12	1-8, 2-16	4
電壓等級	Service rating	E	A	D

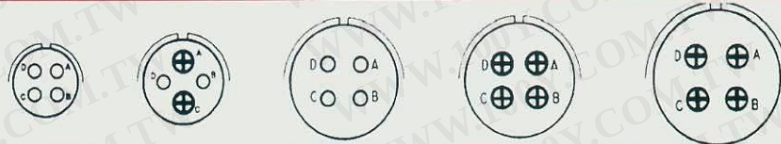


型號	Insert arrangement	36-4
接點數	No. of contacts	3
接點規格	Contacts size	0
電壓等級	Service rating	A=D; B, C=A

CONTACTS DIMENSIONS

16 12 8 4 0

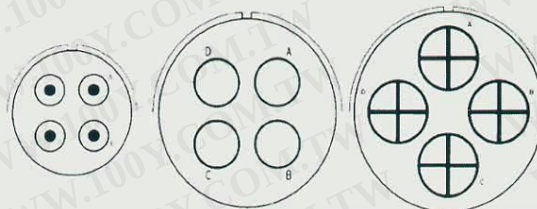
4 CONTACT



型號	Insert arrangement	14 S-2	16-9	18-4	18-10	20-1
接點數	No. of contacts	4	4	4	4	4
接點規格	Contacts size	16	2-12, 2-16	16	12	12
電壓等級	Service rating	INST	A	D	A	D

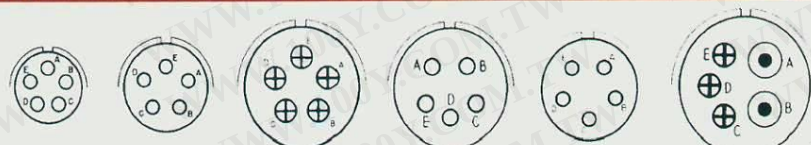


型號	Insert arrangement	20-20	20-24	22-4	22-10	22-22
接點數	No. of contacts	4	4	4	4	4
接點規格	Contacts size	1-4, 3-12	2-8, 2-16	2-8, 2-12	16	8
電壓等級	Service rating	A	A	A	E	A



型號	Insert arrangement	22-24	32-17	36-5
接點數	No. of contacts	4	4	4
接點規格	Contacts size	8	4	0
電壓等級	Service rating	D	D	A

5 CONTACT



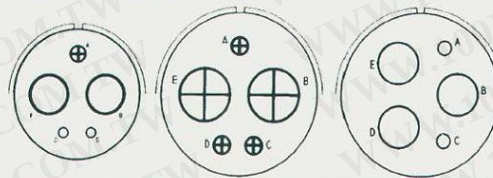
型號	Insert arrangement	14S-5	16S-8	18-11	18-20	18-29	20-14
接點數	No. of contacts	5	5	5	5	5	5
接點規格	Contacts size	16	16	12	16	16	2-8, 3-12
電壓等級	Service rating	INST	A	A	A	A	A

CONTACTS DIMENSIONS

16 12 8 4 0

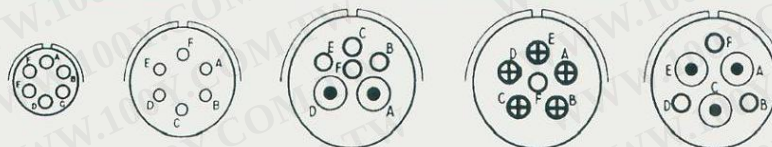


型號 <i>Insert arrangement</i>	22-12	22-13	22-34	24-12	24-17
接點數 <i>No. of contacts</i>	5	5	5	5	5
接點規格 <i>Contacts size</i>	2-8, 3-16	4-12, 1-16	3-12, 2-16	2-4, 3-12	2-12, 3-16
電壓等級 <i>Service rating</i>	D	E-D; A, B, C, D-A	D	A	D



型號 <i>Insert arrangement</i>	28-5	32-1	32-2
接點數 <i>No. of contacts</i>	5	5	5
接點規格 <i>Contacts size</i>	2-4, 1-12, 2-16	2-0, 3-12	3-4, 2-16
電壓等級 <i>Service rating</i>	D	A-E; B, C, D, E-D	E

6 CONTACT



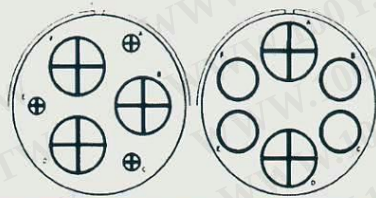
型號 <i>Insert arrangement</i>	14S-6	18-12	20-8	20-17	20-22
接點數 <i>No. of contacts</i>	6	6	6	6	6
接點規格 <i>Contacts size</i>	16	16	2-8, 4-16	5-12, 1-16	3-8, 3-16
電壓等級 <i>Service rating</i>	INST	A	INST	A	A



型號 <i>Insert arrangement</i>	22-5	22-15	22-24	28-22
接點數 <i>No. of contacts</i>	6	6	6	6
接點規格 <i>Contacts size</i>	2-12, 4-16	5-12, 1-16	2-12, 4-16	3-4, 3-16
電壓等級 <i>Service rating</i>	D	D-E; A, B, C, D, E, F-A	C, D, E-D; A, B, F-A	D

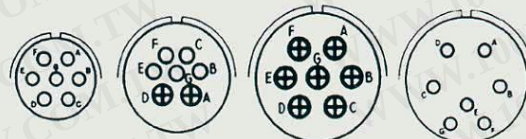
CONTACTS DIMENSIONS

16  12  8  4  0 

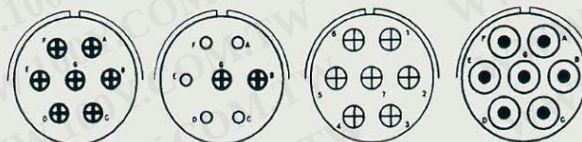


型號 Insert arrangement	36-3	36-6
接點數 No. of contacts	6	6
接點規格 Contacts size	3-0, 3-12	2-0, 4-4
電壓等級 Service rating	D	A

7 CONTACT



型號 Insert arrangement	16S-1	18-9	20-15	22-33
接點數 No. of contacts	7	7	7	7
接點規格 Contacts size	16	2-12, 5-16	12	16
電壓等級 Service rating	A	INST	A	A, B, C, D=D; E, F, G=A



型號 Insert arrangement	24-2	24-3	24A-7	24-10
接點數 No. of contacts	7	7	7	7
接點規格 Contacts size	12	2-12, 5-16	12	8
電壓等級 Service rating	D	D	D	A

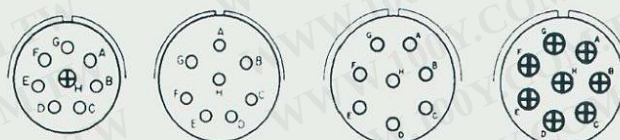


型號 Insert arrangement	24-16	24-27	28-10
接點數 No. of contacts	7	7	7
接點規格 Contacts size	1-8, 3-12, 3-16	16	2-4, 2-8, 3-12
電壓等級 Service rating	A, B, F, G=D; C, D, E=A	E	G=D; B, A, L=A

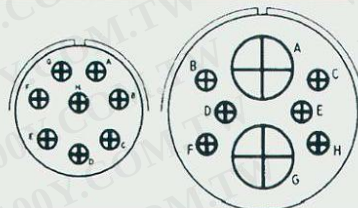
CONTACTS DIMENSIONS

16 12 8 4 0

8 CONTACT



型號 Insert arrangement	18-8	20-7	22-18	22-23
接點數 No. of contacts	8	8	8	8
接點規格 Contacts size	1-12, 7-16	16	16	12
電壓等級 Service rating	A	A, B, H, G=D; C, D, E, F=A	A, B, E, G, H=D; C, D, E=A	H=D; BAL ₁ =A

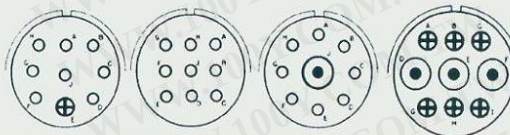


型號 Insert arrangement	24-6	32-15
接點數 No. of contacts	8	8
接點規格 Contacts size	12	2-0, 6-12
電壓等級 Service rating	A, G, H=D; BAL ₁ =A	D

9 CONTACT



型號 Insert arrangement	20-16	20-18	20-21	22-16
接點數 No. of contacts	9	9	9	9
接點規格 Contacts size	2-12, 7-16	3-12, 6-16	1-12, 8-16	3-12, 6-16
電壓等級 Service rating	A	A	A	A

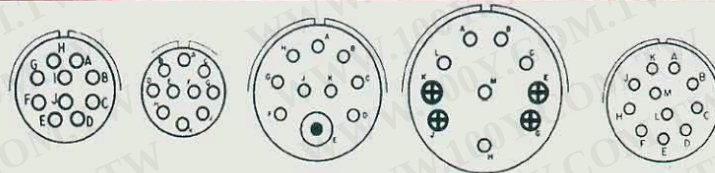


型號 Insert arrangement	22-17	22-20	22-27	24-11
接點數 No. of contacts	9	9	9	9
接點規格 Contacts size	1-12, 8-16	16	1-8, 8-16	3-8, 6-12
電壓等級 Service rating	A=D; BAL ₁ =A	A	J=D; BAL ₁ =A	A

CONTACTS DIMENSIONS

16 12 8 4 0

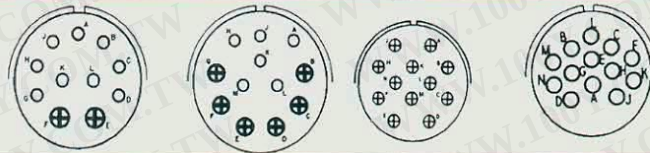
10 CONTACT



型號	Insert arrangement	18-1	18-19	24-21	28-19	20-33
接點數	No. of contacts	10	10	10	10	11
接點規格	Contacts size	16	16	1-8, 9-16	4-12, 6-16	16
電壓等級	Service rating	B,C,E,G=A;BAL=INST	A	D	H,M=B;A,B=D,BAL=A	A

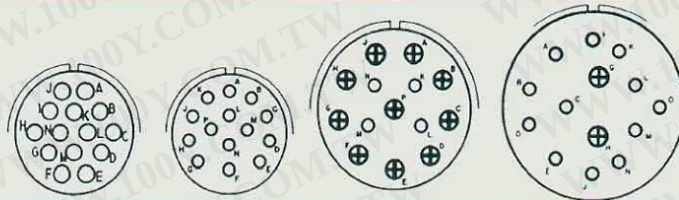
12 CONTACT

13 CONTACT



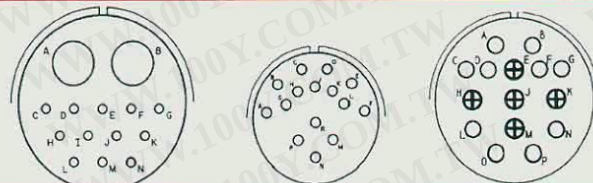
型號	Insert arrangement	24-20	28-9	28-51	20-11
接點數	No. of contacts	11	12	12	13
接點規格	Contacts size	2-12, 9-16	6-12, 6-16	12	16
電壓等級	Service rating	D	D	A	INST

14 CONTACT



型號	Insert arrangement	20-27	22-19	28-20	32-4
接點數	No. of contacts	14	14	14	14
接點規格	Contacts size	16	16	10-12, 4-16	2-12, 12-16
電壓等級	Service rating	A	A	A	F,J,K,N=A;BAL=D

15 CONTACT

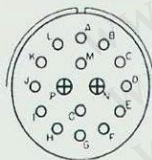
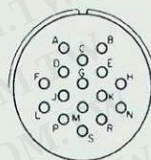


型號	Insert arrangement	32-9	28-17	32-12
接點數	No. of contacts	14	15	15
接點規格	Contacts size	2-4, 12-16	16	5-12, 10-16
電壓等級	Service rating	D	R=B;M,N,P=D;A-L=A	C,D,E,F,G=A;BAL=D

CONTACTS DIMENSIONS

16 12 8 4 0

16 CONTACT

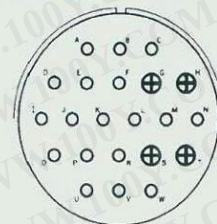
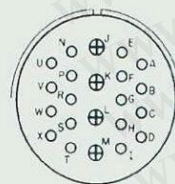
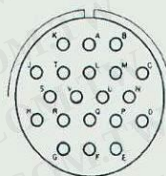
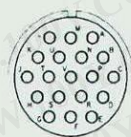


型號 Insert arrangement	24-5	24-7	20-29
接點數 No. of contacts	16	16	17
接點規格 Contacts size	16	2-12, 14-16	16
電壓等級 Service rating	A	A	A

19 CONTACT

20 CONTACT

22 CONTACT

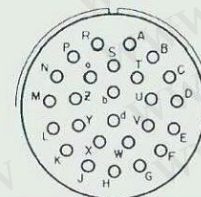
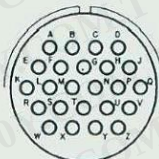


型號 Insert arrangement	22-14	28-16	28-11	36-1
接點數 No. of contacts	19	20	22	22
接點規格 Contacts size	16	16	4-12, 18-16	4-12, 18-16
電壓等級 Service rating	A	A	A	D

23 CONTACT

24 CONTACT

26 CONTACT

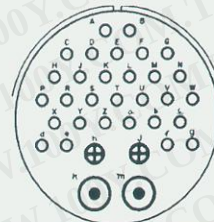
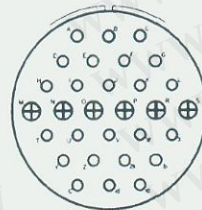
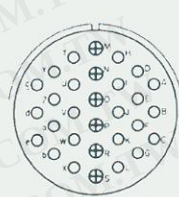


型號 Insert arrangement	32-6	24-28	28-12
接點數 No. of contacts	23	24	26
接點規格 Contacts size	2-4, 3-8, 2-12, 16-16	16	16
電壓等級 Service rating	A	INS F	A

CONTACTS DIMENSIONS

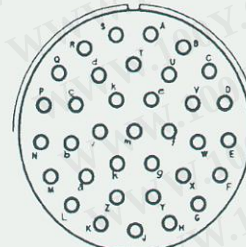
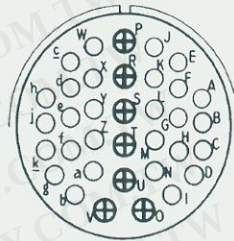
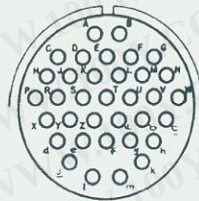


30 CONTACT



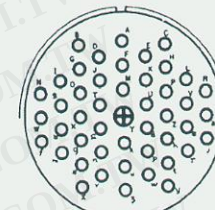
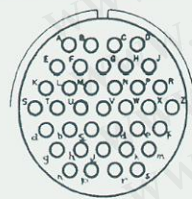
型號 Insert arrangement	32-8	40-1	36-20
接點數 No. of contacts	30	30	34
接點規格 Contacts size	6-12, 24-16	6-12, 24-16	2-8, 2-12, 30-16
電壓等級 Service rating	A	D	A

35 CONTACT



型號 Insert arrangement	28-15	32-7	35-15
接點數 No. of contacts	35	35	35
接點規格 Contacts size	16	7-12, 28-16	16
電壓等級 Service rating	A	A,B,H,I=INST;BAL=A	M=D,BAL=A

37 CONTACT



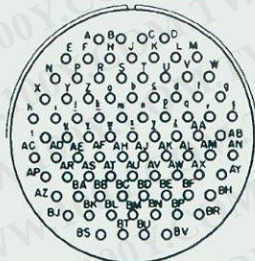
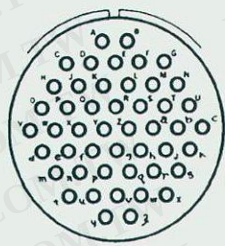
型號 Insert arrangement	28-21	36-8
接點數 No. of contacts	37	47
接點規格 Contacts size	16	1-12, 46-16
電壓等級 Service rating	A	A

CONTACTS DIMENSIONS

16 12 8 4 0

48 CONTACT

85 CONTACT

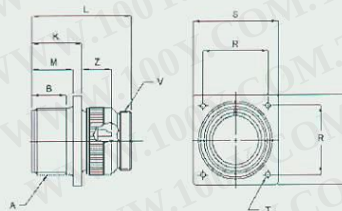


型號 <i>Insert arrangement</i>	36-10	40-56
接點數 <i>No. of contacts</i>	48	85
接點規格 <i>Contacts size</i>	16	16
電壓等級 <i>Service rating</i>	A	A

CONTACTS DIMENSIONS

16 12 8 4 0

牆外插座 MS3100 A/R Type (Wall Mount Receptacle)



DIMENSIONS IN INCHES 英呎規格

SHELL SIZE	A Thread Class 2A	B Min.	K $\pm .008$	L $\pm .020$	M $\pm .008$	R $\pm .004$	S $\pm .008$	T $\pm .004$	V Thread Class 2A	Z ± 1.5
10SL	5/8-24 UNEF	.394	.677	1.575	.567	.717	1.000	.126	5/8-24 UNEF	0.427
14S	7/8-20 UNEF	.394	.693	1.575	.567	.906	1.181	.126	3/4-20 UNEF	0.411
16S	1-20 UNEF	.394	.693	1.575	.567	.969	1.280	.126	7/8-20 UNEF	0.411
16	1-20 UNEF	.638	.882	2.016	.756	.969	1.280	.126	7/8-20 UNEF	0.650
18	1 1/8-18 UNEF	.638	.909	2.016	.756	1.063	1.378	.126	1-20 UNEF	0.622
20	1 1/4-18 UNEF	.638	.909	2.016	.756	1.157	1.496	.126	13/16-18 UNE	0.622
22	1 3/8-18 UNEF	.638	.909	2.016	.756	1.252	1.614	.126	13/16-18 UNE	0.622
24	1 1/2-18 UNEF	.638	.972	2.067	.819	1.374	1.752	.146	17/16-18 UNE	0.559
28	1 3/4-18 UNS	.638	.972	2.382	.819	1.563	2.000	.146	17/16-18 UNE	0.559
32	2-18 UNS	.689	1.035	2.516	.882	1.752	2.244	.169	13/4-18 UNS	0.496
36	2 1/4-16 UN	.689	1.035	2.642	.882	1.937	2.500	.169	2-18 UNS	0.496

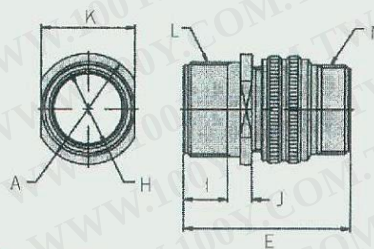
When insert includes A size "O" contact, increase "Z" BY .315 inch.

DIMENSIONS IN MILLIMETERS 釐米規格

SHELL SIZE	A Thread Class 2A	B Min.	K $\pm .02$	L $\pm .5$	M $\pm .2$	R $\pm .1$	S $\pm .2$	T $\pm .1$	V Thread Class 2A	Z ± 1.5
10SL	5/8-24 UNEF	10.0	17.2	40.0	14.4	18.2	25.4	3.2	5/8-24 UNEF	10.85
14S	7/8-20 UNEF	10.0	17.6	40.0	14.4	23.0	30.0	3.2	3/4-20 UNEF	10.45
16S	1-20 UNEF	10.0	17.6	40.0	14.4	24.6	32.5	3.2	7/8-20 UNEF	10.45
16	1-20 UNEF	16.2	22.4	51.2	19.2	24.6	32.5	3.2	7/8-20 UNEF	16.50
18	1 1/8-18 UNEF	16.2	23.1	51.2	19.2	27.0	35.0	3.2	1-20 UNEF	15.80
20	1 1/4-18 UNEF	16.2	23.1	51.2	19.2	29.4	38.0	3.2	13/16-18 UNE	15.80
22	1 3/8-18 UNEF	16.2	23.1	51.2	19.2	31.8	41.0	3.2	13/16-18 UNE	15.80
24	1 1/2-18 UNEF	16.2	24.7	52.5	20.8	34.9	44.5	3.7	17/16-18 UNE	14.20
28	1 3/4-18 UNS	16.2	24.7	60.5	20.8	39.7	50.8	3.7	17/16-18 UNE	14.20
32	2-18 UNS	17.5	26.3	63.9	22.4	44.5	57.0	4.3	13/4-18 UNS	12.60
36	2 1/4-16 UN	17.5	26.3	67.1	22.4	49.2	63.5	4.3	2-18 UNS	12.60

When insert includes A size "O" contact, increase "Z" BY 8 mm.

連線接頭 MS3101 A/R Type (In-Line Receptacle)



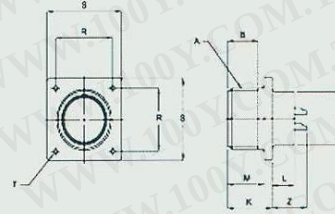
DIMENSIONS IN INCHES 英呎規格

SHELL SIZE	ΦA max	E max	ΦH +0.38 -0.00	I min	J max	K max	L(-2A), M(-2B) Thread	N Thread-2A
10SL	.969	1.531	.448	.375	.062	.656	5/8-24 UNEF	5/8-24 UNEF
14S	1.156	1.688	.682	.375	.072	.089	7/8-20 UNEF	3/4- 20 UNEF
16S	1.250	1.688	.807	.375	.072	1.015	1-20 UNEF	7/8-20 UNEF
16	1.250	2.062	.807	.625	.078	1.015	1-20 UNEF	7/8-20 UNEF
18	1.344	2.062	.932	.625	.109	1.140	1 1/8-18 UNEF	1-20 UNEF
20	1.469	2.188	1.058	.625	.109	1.265	1 1/4-18 UNEF	1 3/16-18 UNEF
22	1.594	2.188	1.182	.625	.117	1.390	1 3/8-18 UNEF	1 3/16-18 UNEF
24	1.719	2.312	1.307	.625	.117	1.515	1 1/2-18 UNEF	1 7/16-18
28	1.969	2.312	1.526	.625	.117	1.765	1 3/4-18 UNS	1 7/16-18 UNEF
32	2.219	2.438	1.776	.625	.117	2.015	2-18 UNS	1 3/4-18 UNS
36	2.469	2.438	1.995	.625	.117	2.034	2 1/4-16 UN	2-18 UNS

DIMENSIONS IN MILLIMETERS 釐米規格

SHELL SIZE	ΦA max	E max	ΦH +0.38 -0.00	I min	J max	K max	L(-2A), M(-2B) Thread	N Thread-2A
10SL	24.61	38.88	11.38	9.53	1.57	16.66	5/8-24 UNEF	5/8-24 UNEF
14S	29.36	42.87	17.33	9.53	1.83	22.60	7/8-20 UNEF	3/4- 20 UNEF
16S	31.75	42.87	20.50	9.53	1.83	25.78	1-20 UNEF	7/8-20 UNEF
16	31.75	52.37	20.50	15.88	1.98	25.78	1-20 UNEF	7/8-20 UNEF
18	34.13	52.37	23.68	15.88	2.77	28.95	1 1/8-18 UNEF	1-20 UNEF
20	37.31	55.57	26.88	15.88	2.77	32.13	1 1/4-18 UNEF	1 3/16-18 UNEF
22	40.48	55.57	30.03	15.88	2.97	35.30	1 3/8-18 UNEF	1 3/16-18 UNEF
24	43.66	58.72	33.20	15.88	2.97	38.48	1 1/2-18 UNEF	1 7/16-18
28	50.01	58.72	38.77	15.88	2.97	44.83	1 3/4-18 UNS	1 7/16-18 UNEF
32	56.36	61.92	45.12	15.88	2.97	51.18	2-18 UNS	1 3/4-18 UNS
36	62.71	61.92	50.68	15.88	2.97	57.65	2 1/4-16 UN	2-18 UNS

械外插座 MS3102 A/R Type (Box Mount Receptacle)



DIMENSIONS IN INCHES 英呎規格

SHELL SIZE	A Thread Class 2A	B Min.	K ± .008	L ± .004	M ± .004	N ± .004	R ± .004	S ± .008	T ± .004	Z ±.059
10SL	5/8-24 UNEF	.394	.677	.295	.567	.630	.717	1.000	.126	.427
14S	3/4-20 UNEF	.394	.693	.280	.567	.754	.906	1.181	.126	.411
16S	1-20 UNEF	.394	.693	.280	.567	.880	.969	1.280	.126	.411
16	1-20 UNEF	.638	.882	.476	.756	.880	.969	1.280	.126	.650
18	1 1/8-18 UNEF	.638	.909	.449	.756	1.008	1.063	1.378	.126	.622
20	1 1/4-18 UNEF	.638	.909	.449	.756	1.130	1.157	1.496	.126	.622
22	1 3/8-18 UNEF	.638	.909	.449	.756	1.256	1.252	1.614	.126	.622
24	1 1/2-18 UNEF	.638	.972	.437	.819	1.382	1.374	1.752	.146	.559
28	1 3/4-18 UNS	.638	.972	.437	.819	1.630	1.563	2.000	.146	.559
32	2-18 UNS	.689	1.035	.437	.882	1.880	1.752	2.244	.169	.496
36	2 1/4-16 UN	.689	1.035	.437	.882	2.067	1.937	2.500	.169	.496

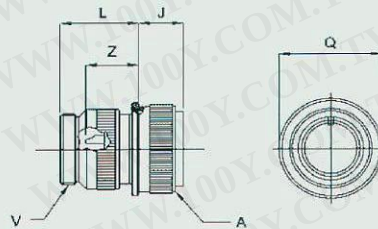
When insert includes A size "O" contact, increase "Z" BY .315 inch.

DIMENSIONS IN MILLIMETERS 釐米規格

SHELL SIZE	A Thread Class 2A	B Min.	K ± .2	L ± .1	M ± .1	N ± .1	R ± .1	S ± .2	T ± .1	Z ±1.5
10SL	5/8-24 UNEF	10.0	17.2	7.5	14.4	16.0	18.2	25.4	3.2	10.85
14S	3/4-20 UNEF	10.0	17.6	7.1	14.4	19.15	23.0	30.0	3.2	10.45
16S	1-20 UNEF	10.0	17.6	7.1	14.4	22.35	24.6	32.5	3.2	10.45
16	1-20 UNEF	16.2	22.4	12.1	19.2	22.35	24.6	32.5	3.2	16.5
18	1 1/8-18 UNEF	16.2	23.1	11.4	19.2	25.6	27.0	35.0	3.2	15.8
20	1 1/4-18 UNEF	16.2	23.1	11.4	19.2	28.7	29.4	38.0	3.2	15.8
22	1 3/8-18 UNEF	16.2	23.1	11.4	19.2	31.9	31.8	41.0	3.2	15.8
24	1 1/2-18 UNEF	16.2	24.7	11.1	20.8	35.1	34.9	44.5	3.7	14.2
28	1 3/4-18 UNS	16.2	24.7	11.1	20.8	41.4	39.7	50.8	3.7	14.2
32	2-18 UNS	17.5	26.3	11.1	22.4	47.75	44.5	57.0	4.3	12.6
36	2 1/4-16 UN	17.5	26.3	11.1	22.4	52.5	49.2	63.5	4.3	12.6

When insert includes A size "O" contact, increase "Z" BY .8 mm.

直管接頭 MS3106 A/R Type (Straight Plug)



DIMENSIONS IN INCHES 英呎規格

SHELL SIZE	A Thread Class 2A	J ± .004	L ± .020	Q ± .020	V Thread Class 2A	Z ±1.5
10SL	5/8-24 UNEF	.531	1.043	.906	5/8-24 UNEF	.571
14S	7/8-20 UNEF	.531	1.043	1.102	3/4-20 UNEF	.571
16S	1-20 UNEF	.531	1.043	1.240	7/8-20 UNEF	.571
16	1-20 UNEF	.717	1.299	1.240	7/8-20 UNEF	.815
18	1 1/8-18 UNEF	.717	1.299	1.343	1-20 UNEF	.815
20	1 1/4-18 UNEF	.717	1.299	1.469	1 3/16-18 UNEF	.815
22	1 3/8-18 UNEF	.717	1.299	1.587	1 3/16-18 UNEF	.815
24	1 1/2-18 UNEF	.717	1.350	1.713	1 7/16-18 UNEF	.815
28	1 3/4-18 UNS	.717	1.665	1.945	1 7/16-18 UNEF	.815
32	2-18 UNS	.717	1.799	2.213	1 3/4-18 UNS	.815
36	2-18 UNS	.717	1.925	2.468	2-18 UNS	.815

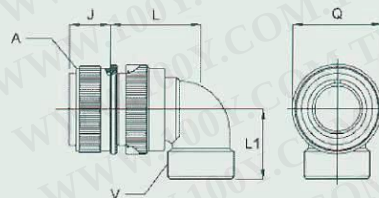
When insert includes A size "O" contact, increase "Z" BY .315 inch.

DIMENSIONS IN MILLIMETERS 釐米規格

SHELL SIZE	A Thread Class 2A	J ± .1	L ± .5	Q ± .5	V Thread Class 2A	Z ±1.5
10SL	5/8-24 UNEF	13.5	26.5	23.0	5/8-24 UNEF	14.5
14S	7/8-20 UNEF	13.5	26.5	28.0	3/4-20 UNEF	14.5
16S	1-20 UNEF	13.5	26.5	31.5	7/8-20 UNEF	14.5
16	1-20 UNEF	18.2	33.0	31.5	7/8-20 UNEF	20.7
18	1 1/8-18 UNEF	18.2	33.0	34.1	1-20 UNEF	20.7
20	1 1/4-18 UNEF	18.2	33.0	37.3	1 3/16-18 UNEF	20.7
22	1 3/8-18 UNEF	18.2	33.0	40.3	1 3/16-18 UNEF	20.7
24	1 1/2-18 UNEF	18.2	34.3	43.5	1 7/16-18 UNEF	20.7
28	1 3/4-18 UNS	18.2	42.3	49.4	1 7/16-18 UNEF	20.7
32	2-18 UNS	18.2	45.7	56.2	1 3/4-18 UNS	20.7
36	2-18 UNS	18.2	48.9	62.7	2-18 UNS	20.7

When insert includes A size "O" contact, increase "Z" BY .8 mm.

彎管接頭 MS3108 A/R Type (90° Cable Plug)



DIMENSIONS IN INCHES 英呎規格

SHELL SIZE	A Thread Class 2A	J ± .004	L ± .020	L1 ± .020	Q ± .020	V Thread Class 2A
10SL	5/8-24 UNEF	.531	.930	.945	.906	5/8-24 UNEF
14S	7/8-20 UNEF	.531	1.039	1.031	1.102	3/4-20 UNEF
16S	1-20 UNEF	.531	1.169	1.094	1.240	7/8-20 UNEF
16	1-20 UNEF	.717	1.370	1.094	1.240	7/8-20 UNEF
18	1 1/8-18 UNEF	.717	1.476	1.189	1.343	1-20 UNEF
20	1 1/4-18 UNEF	.717	1.594	1.252	1.469	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.717	1.697	1.319	1.587	1 3/16-18 UNEF
24	1 1/2-18 UNEF	.717	1.744	1.378	1.713	1 7/16-18 UNEF
28	1 3/4-18 UNS	.717	1.835	1.476	1.965	1 7/16-18 UNEF
32	2-18 UNS	.717	2.063	1.713	2.213	1 3/4-18 UNS
36	2 1/4-16 UN	.717	2.220	1.831	2.468	2-18 UNS

DIMENSIONS IN MILLIMETERS 釐米規格

SHELL SIZE	A Thread Class 2A	J ± .1	L ± .5	L1 ± .5	Q ± .5	V Thread Class 2B
10SL	5/8-24 UNEF	13.5	24.9	24.0	23.0	5/8-24 UNEF
14S	7/8-20 UNEF	13.5	26.4	26.2	28.0	3/4-20 UNEF
16S	1-20 UNEF	13.5	29.7	27.8	31.5	7/8-20 UNEF
16	1-20 UNEF	18.2	34.8	27.8	31.5	7/8-20 UNEF
18	1 1/8-18 UNEF	18.2	37.5	30.2	34.1	1-20 UNEF
20	1 1/4-18 UNEF	18.2	40.5	31.8	37.3	1 3/16-18 UNEF
22	1 3/8-18 UNEF	18.2	43.1	33.5	40.3	1 3/16-18 UNEF
24	1 1/2-18 UNEF	18.2	44.3	35.0	43.5	1 7/16-18 UNEF
28	1 3/4-18 UNS	18.2	16.6	37.5	49.9	1 7/16-18 UNEF
32	2-18 UNS	18.2	52.4	43.5	56.2	1 3/4-18 UNS
36	2 1/4-16 UN	18.2	56.4	46.5	62.7	2-18 UNS

插頭護蓋 MS25042 Dust Caps for Plug Connectors



DIMENSIONS IN INCHES 英呎規格

Part No.	SIZE	A	B ± .012	C ± .012	D	E
KD042-10D	10SL	.625-24	.636	.681	.157	4.016
KD042-14D	14 - 14S	.876-20	.823	.925	.157	4.528
KD042-16D	16 - 16S	1.000-20	.823	1.055	.157	4.528
KD042-18D	18	1.125-18	.823	1.181	.157	4.528
KD042-20D	20	1.250-18	.823	1.291	.189	5.000
KD042-22D	22	1.375-18	.823	1.429	.189	5.000
KD042-24D	24	1.500-18	.823	1.555	.189	5.512
KD042-28D	28	1.750-18	.823	1.803	.189	7.756
KD042-32D	32	2.000-18	.823	20.55	.217	7.756
KD042-36D	36	2.250-16	.823	2.303	.217	7.756

DIMENSIONS IN MILLIMETERS 釐米規格

Part No.	SIZE	A	B ± .3	C ± .3	D	E
KD042-10D	10SL	.625-24	16.15	17.3	4.0	102
KD042-14D	14 - 14S	.876-20	20.9	23.5	4.0	115
KD042-16D	16 - 16S	1.000-20	20.9	26.8	4.0	115
KD042-18D	18	1.125-18	20.9	30.0	4.0	115
KD042-20D	20	1.250-18	20.9	32.8	4.8	127
KD042-22D	22	1.375-18	20.9	36.3	4.8	127
KD042-24D	24	1.500-18	20.9	39.5	4.8	140
KD042-28D	28	1.750-18	20.9	45.8	4.8	197
KD042-32D	32	2.000-18	20.9	52.2	5.5	197
KD042-36D	36	2.250-16	20.9	58.5	5.5	197

插座護蓋 MS25043 Dust Caps for Receptacle



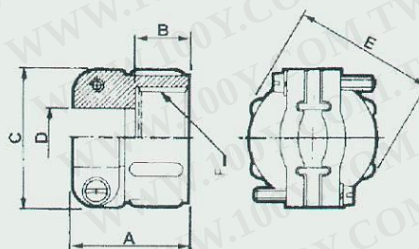
DIMENSIONS IN INCHES 英呎規格

Part No.	SIZE	A	B ± .012	C ± .012	D	E
KD043-10D	10SL	.625-24	.453	.791	.142	4.016
KD043-14D	14 - 14S	.876-20	.453	1.059	.142	4.528
KD043-16D	16 - 16S	1.000-20	.453	1.173	.142	4.528
KD043-18D	18	1.125-18	.453	1.299	.142	4.528
KD043-20D	20	1.250-18	.453	1.427	.142	5.000
KD043-22D	22	1.375-18	.453	1.569	.142	5.000
KD043-24D	24	1.500-18	.453	1.693	.167	5.512
KD043-28D	28	1.750-18	.530	1.937	.167	7.756
KD043-32D	32	2.000-18	.530	2.185	.189	7.756
KD043-36D	36	2.250-16	.530	2.449	.189	7.756

DIMENSIONS IN MILLIMETERS 釐米規格

Part No.	SIZE	A	B ± .3	C ± .3	D	E
KD043-10D	10SL	.625-24	11.50	20.1	3.60	102
KD043-14D	14 - 14S	.876-20	11.50	26.9	3.60	115
KD043-16D	16 - 16S	1.000-20	11.50	29.8	3.60	115
KD043-18D	18	1.125-18	11.50	33.0	3.60	115
KD043-20D	20	1.250-18	11.50	36.25	3.60	127
KD043-22D	22	1.375-18	11.50	39.85	3.60	127
KD043-24D	24	1.500-18	11.50	43.0	4.25	140
KD043-28D	28	1.750-18	13.45	49.2	4.25	197
KD043-32D	32	2.000-18	13.45	55.5	4.80	197
KD043-36D	36	2.250-16	13.45	62.2	4.80	197

電纜夾 MS3057A Cable Strain Relief Clamp



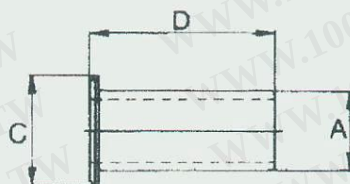
DIMENSIONS IN INCHES 英呎規格

Part No.	SHELL SIZE	Used with Sleeve	A ± .8	B	D max	E-C ± .8	F Thread Class 2B
MS3057-4A	10SL-12-12S	MS3420-4	.811	.413	.315	.866	5/8-24 UNEF
MS3057-6A	14-14S	MS3402-6	.874	.413	.433	1.063	3/4-20 UNEF
MS3057-8A	16-16S	MS3420-8	.945	.413	.559	1.142	17/20-20 UNEF
MS3057-10A	18	MS3420-10	.945	.413	.622	1.299	1-20 UNEF
MS3057-12A	20-22	MS3420-12	.945	.413	.748	1.457	13/16-18 UNEF
MS3057-16A	24-28	MS3420-16	1.024	.413	.937	1.693	17/16-18 UNEF
MS3057-20A	32	MS3420-20	1.984	.429	1.252	2.031	13/4-18UNS
MS3057-24A	36	MS3420-24	1.157	.531	1.378	2.283	2-18UNS

DIMENSIONS IN MILLIMETERS 釐米規格

Part No.	SHELL SIZE	Used with Sleeve	A ± .8	B	D max	E-C ± .8	F Thread Class 2B
MS3057-4A	10SL-12-12S	MS3420-4	20.6	10.5	8.0	22.2	5/8-24 UNEF
MS3057-6A	14-14S	MS3402-6	22.2	10.5	11.0	27.0	3/4-20 UNEF
MS3057-8A	16-16S	MS3420-8	24.0	10.5	14.2	29.0	17/20-20 UNEF
MS3057-10A	18	MS3420-10	24.0	10.5	15.8	33.0	1-20 UNEF
MS3057-12A	20-22	MS3420-12	24.0	10.5	19.0	37.0	13/16-18 UNEF
MS3057-16A	24-28	MS3420-16	26.0	10.5	23.8	43.0	17/16-18 UNEF
MS3057-20A	32	MS3420-20	27.8	12.5	31.8	51.6	13/4-18UNS
MS3057-24A	36	MS3420-24	29.4	13.5	35.0	58.0	2-18UNS

絕緣套 MS3420 Neoprene Sleeves and Sealing Plugs



DIMENSIONS IN INCHES 英呎規格

Part No.	Used with Sleeve	A	B	C	D
MS3420-3	MS3057-3A	.209	.130	.374	2.874
MS3420-4	MS3057-4A	.299	.220	.504	2.756
MS3420-6	MS3057-6A	.425	.311	.618	2.638
MS3420-8	MS3057-8A	.551	.437	.740	2.520
MS3420-10	MS3057-10A	.614	.563	.866	2.402
MS3420-12	MS3057-12A	.740	.626	1.059	2.244
MS3420-16	MS3057-16A	.925	.752	1.311	2.087
MS3420-20	MS3057-20A	1.240	.937	1.594	1.969
MS3420-24	MS3057-24A	1.362	1.252	1.850	1.850
MS3420-28	MS3057-28A	1.614	1.378	2.087	1.732

DIMENSIONS IN MILLIMETERS 釐米規格

Part No.	Used with Sleeve	A	B	C	D
MS3420-3	MS3057-3A	5.30	3.30	9.50	73.0
MS3420-4	MS3057-4A	7.60	5.60	12.8	70.0
MS3420-6	MS3057-6A	10.8	7.90	15.7	67.0
MS3420-8	MS3057-8A	14.0	11.1	18.8	64.0
MS3420-10	MS3057-10A	15.6	14.3	22.0	61.0
MS3420-12	MS3057-12A	18.8	15.9	26.9	57.0
MS3420-16	MS3057-16A	23.5	19.1	33.3	53.0
MS3420-20	MS3057-20A	31.5	23.8	40.5	50.0
MS3420-24	MS3057-24A	34.6	31.8	47.0	47.0
MS3420-28	MS3057-28A	41.0	35.0	53.0	44.0

VG 95234 接點規格 *Insert Arrangement*

Insert	接點數 No. of contacts	接點規格Contact Type					目前生產的類型Available Type									
		0	4	8	12	16	A	B	D	F	G	J	M	N	T	U
10SL-3	3					3	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
10SL-4	2					2	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
12s-3	2					2	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
14s-6	6					6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
16s-1	7					7	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
16-9	4				2	2	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
18-1	10					10	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20-4	4				4		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20-15	7				7		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20-19	3			3			⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20-27	14					14	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20-29	17					17	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20A-24	4			2		2	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20A-48	19					19	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
24-9S	2		2				⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
24A-16	7			1	3	3	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
24-28	24					24	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
28A-16	20					20	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
28-16	20					20	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
28-21	37					37	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
32A-5	2	2					⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
32-10	7		2	2		3	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
32A-10	7		2	2		3	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
32A-55							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
36-3	6		3		3		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

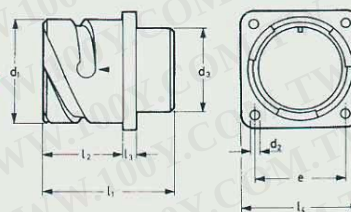
產品優勢 *Advantage*

- 堅固的外殼 *Rugged shell design*
- 環保 *Environmental*
- 易拆裝之連結圈

Bayonet coupling for easy mating and unmating

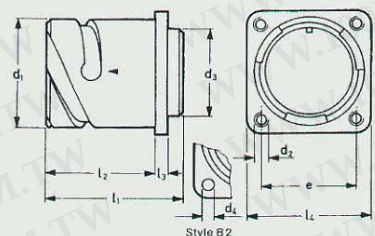
- 防震 *Vibration proof*

VG 95234-Style A resp.
前置械外插座
Box mounting receptacle for Front mounting



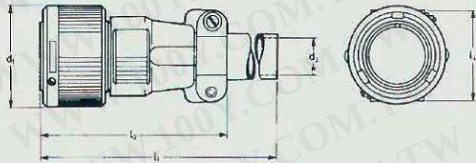
Shell Size	d1 -0.15	d2 H13	d3 max	e ±0.1	I1 ±0.3	I2 ±0.4	I3 ±0.2	I4 ±0.3	Weight g max
10SL	18.2	3.2	16.2	18.2	24.7	14.2	2.8	25.4	12.0
12S	21.4	3.2	16.2	20.6	24.7	14.2	3.2	28.0	15.0
14S	24.6	3.2	19.2	23.0	24.7	14.2	3.2	30.0	17.0
16S	27.4	3.2	22.4	24.6	24.7	14.2	3.2	32.5	19.0
16	27.4	3.2	22.4	24.6	33.8	19.0	3.2	32.5	22.0
18	30.8	3.2	25.6	27.0	33.8	19.0	4.0	35.0	28.0
20	34.2	3.2	29.0	29.4	33.8	19.0	5.0	38.0	33.0
22	37.4	3.2	32.2	31.8	33.8	19.0	6.0	41.0	38.0
24	40.9	3.7	35.3	34.9	33.8	20.6	7.0	44.5	46.0
28	46.7	3.7	41.4	39.7	33.8	20.6	8.0	50.8	52.0
32	53.4	4.3	47.8	44.5	33.8	20.6	9.0	57.0	64.0
36	59.6	4.3	52.6	49.2	33.8	20.6	10.0	63.5	80.0

VG 95234-Style B1/B2 resp.
後置械外插座
Receptacle for rear mounting



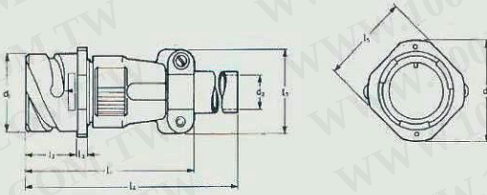
Shell Size	d1 -0.15	Only B1 d2 Thread	D3 max	Only B2 d4 H13	e ±0.1	I1 ±0.3	I2 ±0.4	I3 ±0.2	I4 ±0.3	Weight g max
10SL	18.2	M4	16.2	3.2	18.2	24.7	18.2	2.8	25.4	14
12S	21.4	M4	16.0	3.2	20.6	24.7	18.2	3.2	28.0	18
14S	24.6	M4	19.2	3.2	23.0	24.7	18.2	3.2	30.0	21
16S	27.4	M4	22.4	3.2	24.6	24.7	18.2	3.2	32.5	22
16	27.4	M4	22.4	3.2	24.6	33.8	21.5	3.2	32.5	27
18	30.8	M4	25.6	3.2	27.0	33.8	23.05	4.0	35.0	33
20	34.2	M4	29.0	3.2	29.4	33.8	23.05	4.0	38.0	37
22	37.4	M4	32.2	3.2	31.8	33.8	23.05	4.0	41.0	42
24	40.9	M4	35.3	3.7	34.9	33.8	23.05	4.0	44.5	48
28	46.7	M5	41.4	3.7	39.7	33.8	24.05	4.0	50.8	58
32	53.4	M5	47.8	4.3	44.5	33.8	24.05	4.0	57.0	72
36	59.6	M5	54.1	4.3	49.2	33.8	24.05	4.0	63.5	84

VG 95234-Style D resp.
直式終端接頭 附電纜夾 絕緣套
Plug, straight with endbell,
Cable clamp and telescoping bushing



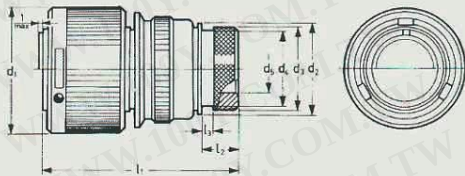
Shell Size	d1 max	d2 max	l1 max	l2 max	l4 max	Weight g max
10SL	22.8	6.5	115	55	22.7	30
12S	26.0	6.5	115	55	22.7	37
14S	29.2	9.0	115	60	27.5	44
16S	32.0	11.0	115	60	30.0	54
16	32.0	11.0	120	70	30.0	62
18	36.5	14.2	120	75	33.0	70
20	39.9	15.8	120	75	37.5	85
22	43.1	15.8	120	75	37.5	92
24	46.6	21.4	120	90	43.3	127
28	53.4	21.4	120	90	43.3	154
32	60.1	26.7	120	90	51.7	199
36	66.3	31.7	130	100	58.0	260

VG 95234-Style F resp.
電纜接頭
Cable plug, with endbell,
Cable clamp and telescoping bushing



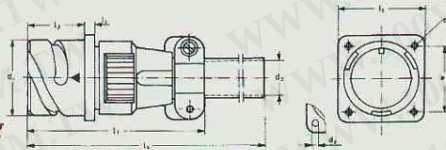
Shell Size	d1 -0.15	d2 max	d3 max	l1 max	l2 ±0.4	l3 ±0.2	l4 max	l5 ±0.2	l7 max	Weight g max
10SL	18.2	6.5	25.2	60	18.2	2.8	120	20.6	22.7	35
12S	21.4	6.5	27.8	60	18.2	3.2	120	23.6	22.7	43
14S	24.6	9.0	29.8	62	18.2	3.2	120	25.4	27.5	50
16S	27.4	11.0	32.3	70	18.2	3.2	120	28.6	30.0	60
16	27.4	11.0	32.3	70	21.5	3.2	125	28.6	30.0	65
18	30.8	14.2	34.8	77	23.05	4.0	125	31.7	33.0	80
20	34.2	15.8	37.8	77	23.05	4.0	125	34.9	37.5	95
22	37.4	15.8	41.1	77	23.05	4.0	125	38.1	37.5	105
24	40.9	21.4	44.6	85	23.05	4.0	125	41.3	43.3	140
28	46.7	21.4	50.9	85	24.05	4.0	125	47.6	43.3	160
32	53.4	26.7	57.1	85	24.05	4.0	125	54.0	51.7	205
36	59.6	31.7	63.6	105	24.05	4.0	135	60.6	58.0	270

VG 95234-Style G resp.
直式承接接頭
Plug, straight with adapter,
For heat shrinkable boot



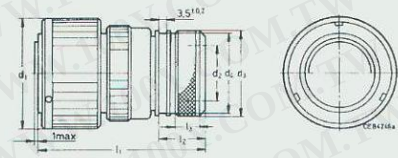
Shell Size	d1	d2 ±0.2	d3 ±0.2	d4 max	d5 min	I1 max	I2 ±0.5	I3 ±0.2	Weight g max
10SL	22.8	17.0	15.5	13.3	7.7	50.0	11.7	3.5	24
12S	26.0	17.8	15.5	13.3	7.9	50.0	11.7	3.5	35
14S	29.2	20.1	19.1	17.0	10.6	50.0	11.7	3.5	41
16S	32.0	23.5	23.9	21.9	13.5	50.0	11.7	3.5	51
16	32.0	23.5	23.9	21.9	13.5	60.0	11.5	3.5	58
18	36.5	26.5	23.9	21.9	14.6	60.0	11.5	3.5	65
20	39.9	30.2	29.6	26.2	18.7	65.0	12.7	3.5	75
22	43.1	33.6	29.6	26.2	20.8	65.0	12.7	3.5	80
24	46.6	38.1	37.8	34.5	24.6	65.0	12.7	3.5	95
28	53.4	41.4	37.8	34.5	27.0	65.0	12.7	3.5	120
32	60.1	48.6	47.8	43.6	33.3	70.0	15.2	3.5	165
36	66.3	54.8	47.8	43.6	38.5	80.0	15.2	3.5	180

VG 95234-Style J1, J2 resp.
後置插座
Receptacle for rear mounting
With cable clamp and telescoping bushing



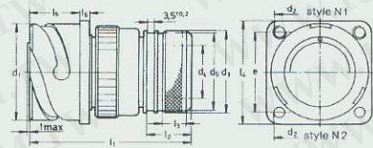
Shell Size	d1 -0.15	d2 max	Style J2 D3 H13	Style J1 D4 Thread	e ±0.1	I1 max	I2 ±0.4	I3 ±0.2	I4 max	I5 ±0.3	Weight g max
10SL	18.2	6.5	3.2	M4	18.2	60	18.2	2.8	120	25.4	35
12S	21.4	6.5	3.2	M4	20.6	60	18.2	3.2	120	28.0	43
14S	24.6	9.0	3.2	M4	23.0	62	18.2	3.2	120	30.0	50
16S	27.4	11.0	3.2	M4	24.6	70	18.2	3.2	120	32.5	60
16	27.4	11.0	3.2	M4	24.6	70	21.5	3.2	125	32.5	65
18	30.8	14.2	3.2	M4	27.0	77	23.05	4.0	125	35.0	80
20	34.2	15.8	3.2	M4	29.4	77	23.05	4.0	125	38.0	95
22	37.4	15.8	3.2	M4	31.8	77	23.05	4.0	125	41.0	105
24	40.9	21.4	3.7	M4	34.9	85	23.05	4.0	125	44.5	140
28	46.7	21.4	3.7	M5	39.7	85	24.05	4.0	125	50.8	160
32	53.4	26.7	4.3	M5	44.5	85	24.05	4.0	125	57.0	205
36	59.6	31.7	4.3	M5	49.2	105	24.05	4.0	135	63.5	270

VG 95234-Style M resp.
防護型直式接頭
Plug, straight, shielded, with endbell
For shielded braids,
And heat shrinkable boots



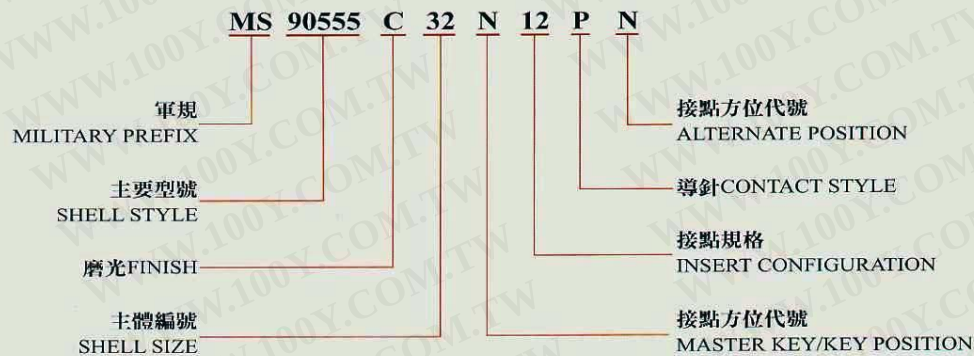
Shell Size	$\phi D1$ max	D2 min	D3 +0.5	D4 max	I1 Max	I2 +1	I3 ± 0.5	Weight g max
14S	29.2	10.6	22.0	20.0	55.0	17.0	7.0	45
16S	32.0	13.5	25.0	23.0	60.0	18.0	8.0	55
16	32.0	13.5	25.0	23.0	70.0	18.0	8.0	65
18	36.5	14.6	28.0	24.5	70.0	18.0	8.0	75
20	39.9	18.5	32.0	28.5	70.0	18.0	10.0	85
22	43.1	20.8	24.0	30.5	70.0	18.0	10.0	100
24	46.6	24.6	38.0	34.5	70.0	18.0	10.0	115
28	53.4	27.0	41.0	37.5	70.0	18.0	10.0	130
32	60.1	33.3	48.0	44.0	70.0	18.0	10.0	170
36	66.3	38.5	55.0	51.0	80.0	18.0	10.0	190

VG 95234-Style N1, N2 resp.
防護型插座
Receptacle, shielded, for rear mounting,
With endbell for shielded braids, and also
For heat shrinkable boots



Shell Size	d1 -0.15	Style J1 D4 Thread.	D3 H13 Only style N2	D3 +0.5 0	D4 Min	D5 Max	E ± 0.1	I1 Max	I2 +1 0	I3 ± 0.5	I4 ± 0.3	I5 +0.4	I6 ± 0.2	Weight g max
14S	24.6	M4	3.2	22.0	10.6	20.0	23.0	55	17.0	7.0	30.0	18.2	3.2	55
16S	27.4	M4	3.2	25.0	13.5	23.0	24.6	70	18.0	8.0	32.5	18.2	3.2	65
16	27.4	M4	3.2	25.0	13.5	23.0	24.6	70	18.0	8.0	32.5	21.5	3.2	75
18	30.8	M4	3.2	28.0	14.6	24.5	27.0	70	18.0	8.0	35.0	23.05	4.0	85
20	34.2	M4	3.2	32.0	18.5	28.5	29.4	70	18.0	10.0	38.0	23.05	4.0	95
22	37.4	M4	3.2	34.0	20.8	30.5	31.8	70	18.0	10.0	41.0	23.05	4.0	105
24	40.9	M4	3.7	38.0	24.6	34.5	34.9	70	18.0	10.0	44.5	23.05	4.0	120
28	46.7	M5	3.7	41.0	27.0	37.5	39.7	70	18.0	10.0	50.8	24.05	4.0	150
32	53.4	M5	4.3	48.0	33.3	44.0	44.5	75	18.0	10.0	57.0	24.05	4.0	190
36	59.6	M5	4.3	55.0	38.5	51.0	49.2	85	18.0	10.0	63.5	24.05	4.0	220

22992系列 產品型號
Ordering Information
MIL-C-22992 Class L
Standard MS Connectors



主要型號 SHELL STYLE

MS90555 牆外插座 Wall Mount Receptacle
MS90556 直管接頭 Straight Plug
MS90557 連線接頭 In-Line Receptacle
MS90558 械外接頭 Wall Mount Plug

磨光 FINISH

傳導性鍍銀 C-Conductive olive drab cadmium plate over nickel.
非傳導性電鍍 N-Non conductive hard black anodize

主體編號 SHELL SIZE

與導電性能相關 (Related directly to current capability)
28-40 Amperes 安培
32-60 Amperes
44-100 Amperes
52-200 Amperes

開口方位(接點方位)

MASTER KEY/KEWAY POSITION
N-Required for normal 一般的開口方位

接點規格

INSERT CONFIGURATION

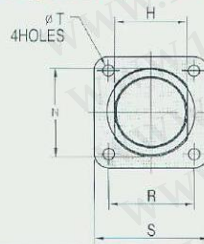
CONTACT STYLE

導針 P-Pin contacts
導稍 S-Socket contacts

接點方位

ALTERNATE INSERT POSITION

牆外插座 *MS90555 Wall mount receptacle (Class L 60Hz ~ 400Hz)*



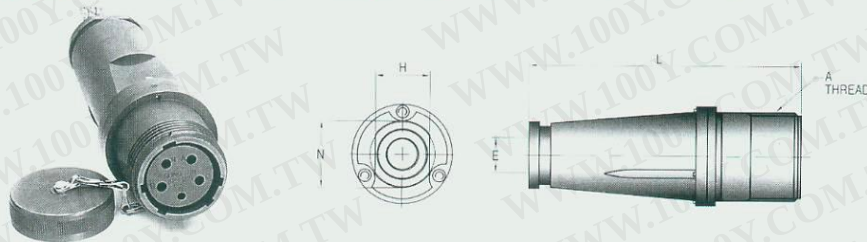
Shell Size	A Thread Class2A	H +.001 -.010	J +.016 -.000	N Dia 0.11 -0.20	R (BSC)	S +.021 -.020	T ±.005
28	2.000-1428P-2857L	1.812	2.188	2	1.719	2.375	0.177
32	2.250-1428P-2857L	2.062	2.188	2.25	1.906	2.625	0.209
40	2.750-1428P-2857L	2.562	2.188	2.875	2.406	3.125	0.281
44	3.000-1428P-2857L	2.812	2.188	3.125	2.656	3.375	0.281
48	3.250-1428P-2857L	3.062	2.532	3.375	2.906	3.625	0.281
52	3.500-1428P-2857L	3.312	2.532	3.625	3.156	3.875	0.281

直式接頭 *MS90556 Straight Plug (Class L 60Hz ~ 400Hz)*



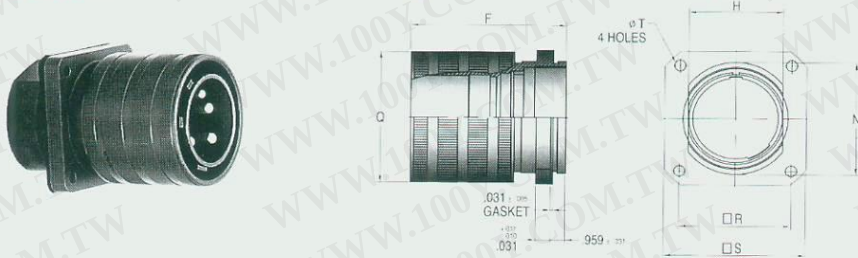
Shell Size	ARRANGEMENT NUMBER	E CABLE RANGE	H +.001 -.010	L Max LENGTH	N Dia. +.01 -.020	Q Dia. max
28	-02	.969-.844	1.750	8.188	2.000	2.312
	-03	1.130-1.005				
	-04	1.130-1.005				
	-05	1.130-1.005				
32	-08, -12	1.130-1.005	1.750	8.188	2.000	2.562
	-09	1.260-1.135				
	-10	1.260-1.135				
	-11	1.260-1.135				
40	-13	1.609-1.484	2.438	8.625	2.750	3.281
	-15	1.900-1.775				
	-16	1.844-1.719				

連線接頭 *MS90557 In-Line Receptacle (Class L 60Hz ~ 400Hz)*



Shell Size	ARRANGEMENT NUMBER	A THREAD CLASS 2A	E CABLE RANGE	H +.001 -.010	L Max LENGTH	Q Dia. max
28	-02	2.000-.1428P-2857L	.969-.844	1.750	8.156	2.000
	-03		1.130-1.005			
	-04		1.130-1.005			
	-05		1.130-1.005			
32	-08, -12	2.250-.1428P-2857L	1.130-1.005	1.750	8.156	2.000
	-09		1.260-1.135			
	-10		1.260-1.135			
	-11		1.260-1.135			
40	-13	2.750-.1428P-2857L	1.609-1.484	2.438	8.594	2.750
	-15		1.900-1.775			
	-16		1.844-1.719			

牆外插頭 *MS90558 Wall Mount Plug (Class L 60Hz ~ 400Hz)*



Shell Size	F +.016 -.000	H +.001 -.010	N Dia. +.011 -.020	Q Dia. Max.	R (BSC)	S +.021 -.020	T ±.005
28	2.639	1.812	2.000	2.312	1.719	2.375	.177
32	2.639	2.062	2.250	2.562	1.906	2.625	.209
40	2.639	2.562	2.875	3.281	2.406	3.125	.281

5015系列



3100



3101



3102



3106



3108

軍規接頭

2003年8月版



3106

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勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787

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