

MIL-C-5015

Connectors



● Ordering Information

	MS	3100	E	28 - 21	P	Y	A
	S J	3100	E	28 - 21	P	Y	A
PREFIX							
SHELL STYLE							
CLASS							
SHELL SIZE							
CONTACT ARRANGEMENT							
CONTACT TYPE							
ALTERNATE INSERT POSITION							
FINISH							

SHELL STYLE

- 100** - Wall Mounting Receptacle
- 101** - Cable Connecting Plug
- 102** - Box mounting Receptacle
- 106** - Straight Plug
- 108** - 90° Angle Plug

SHELL SIZE

10SL, 12S, 14S, 14, 16S, 16, 18, 20, 22, 24, 28, 32, 36, 40

CONTACT ARRANGEMENT

See page 17-21

CLASS

- A** - With threaded adapter
- E** - Environmental with resilient insulators and integral cable clamp
- R** - Environmental with resilient insulators and shortened light weight endbell ; also additional sealing with O ring seal under coupling nut in styles 3106 and 3108.

CONTACT TYPE

- P** - Pin contact
- S** - Socket contact

ALTERNATE INSERT POSITION

Insert insulator position - see page 16

FINISH

- A** - Black Anodize
- N** - Electroless Nickel
- W** - Cadmium, Olive drab
- Z** - Green Chromate Coating over zinc plating

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

TEL : 82-31-318-0942 FAX : 82-31-318-0945 www.sjcnc.co.kr

MIL-C-5015

Connectors



● Technical data

Materials & Finishes

Materials		Finishes
SHELL	Aluminum alloy	Olive drab chromate coating over cadmium or zinc plating
INSULATOR	Polychloropren	-
CONTACT	Copper alloy	Silver plate

Characteristics

Insulation Resistance	5,000M Ω Minimum (at 25°C)
Temperature Range	-55°C to 125°C
Durability	500 Cycle Connection / Disconnection
Water proof	IP67

Dielectric Withstanding Voltage			
Service Rating	Test Voltage AC(rms)	Operating Voltage	
		AC	DC
Inst.	1,000	200	250
A	2,000	500	700
D	2,800	900	1,250
E	3,500	1,250	1,750
B	4,500	1,750	2,450
C	7,000	3,000	4,200

Contact Engaging & Separating Force			
Contact Size	force in Lbs.		
	Maximum	Average	Minimum
#16	3.00	2.10	0.25
#12	5.00	3.50	0.50
#8	10.00	7.00	0.75
#4	15.00	10.50	1.00
#0	20.00	14.00	2.00

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

* A.W.G : American Wire Gauge

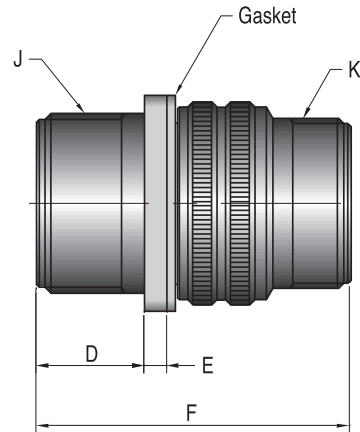
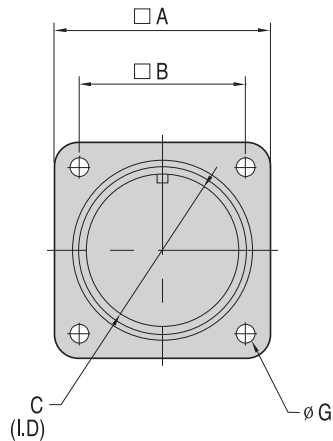
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

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MIL-C-5015 Connectors



● Wall Mounting Receptacle SJ3100A(MS3100A)



Shell Size	□ A ± 0.79	□ B ± 0.12	Ø C +0.38 -0.00	D +0.38 -0.00	E ± 0.20	F MAX.	Ø G +0.25 -0.12	J Thread-2A	K Thread-2A
8S	23.00	15.10	9.40	14.28	3.00	37.31	3.05	1/2-28 UNEF	1/2-28 UNEF
10S	25.40	18.26	11.38	14.28	3.00	38.88	3.05	5/8-24 UNEF	1/2-28 UNEF
10SL	25.40	18.26	11.38	14.28	3.00	38.88	3.05	5/8-24 UNEF	5/8-24 UNEF
12S	27.97	20.62	14.15	14.28	3.00	42.87	3.05	3/4-20 UNEF	5/8-24 UNEF
12	27.97	20.62	14.15	19.05	3.00	52.37	3.05	3/4-20 UNEF	5/8-24 UNEF
14S	30.18	23.01	17.33	14.28	3.00	42.87	3.05	7/8-20 UNEF	3/4-20 UNEF
14	30.18	23.01	17.33	19.05	3.00	52.37	3.05	7/8-20 UNEF	3/4-20 UNEF
16S	32.54	24.61	20.50	14.28	3.00	42.87	3.05	1-20 UNEF	7/8-20 UNEF
16	32.54	24.61	20.50	19.05	3.00	52.37	3.05	1-20 UNEF	7/8-20 UNEF
18	34.93	26.97	23.68	19.05	3.00	52.37	3.05	1 1/8-18 UNEF	1-20 UNEF
20	38.10	29.36	26.88	19.05	3.00	55.57	3.05	1 1/4-18 UNEF	1 3/16-18 UNEF
22	41.28	31.75	30.03	19.05	3.00	55.57	3.05	1 3/8-18 UNEF	1 3/16-18 UNEF
24	44.45	34.93	33.20	20.63	3.00	55.57	3.73	1 1/2-18 UNEF	1 7/16-18 UNEF
28	50.80	39.67	38.77	20.63	3.00	55.57	3.73	1 3/4-18 UNEF	1 7/16-18 UNEF
32	57.15	44.45	45.12	22.23	3.00	61.92	4.39	2-18 UNS	1 3/4-18 UNS
36	63.50	49.23	50.68	22.23	3.00	61.92	4.39	2 1/4-16 UN	2-18 UNS
40	69.85	55.58	57.03	22.23	3.00	61.92	4.39	2 1/2-16 UN	2 1/2-16 UN

1. ALL DIMENSIONS ARE MILLIMETERS.

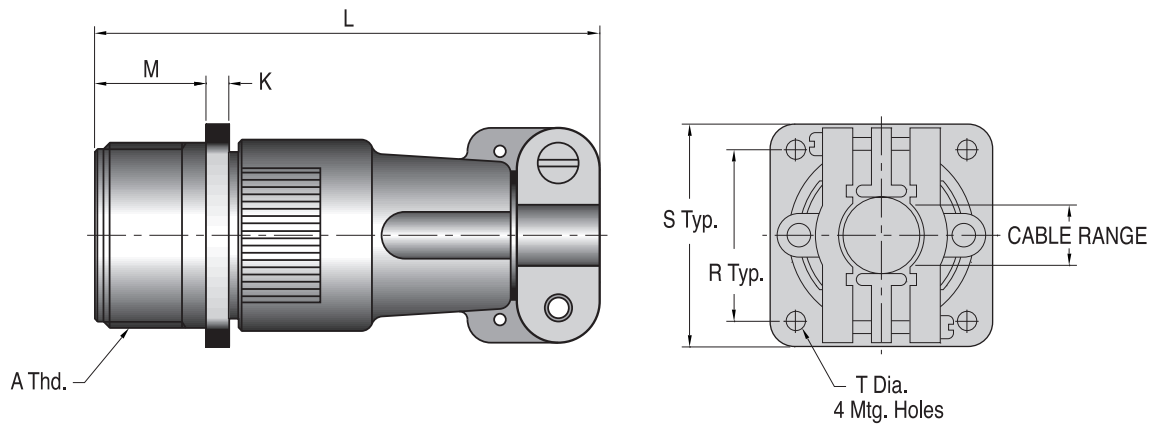
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

TEL : 82-31-318-0942 FAX : 82-31-318-0945 www.sjcnc.co.kr

MIL-C-5015 Connectors



● Wall Mounting Receptacle SJ3100E(MS3100E)



Shell Size	A Coupling Thread Class 2A	K		L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ± .005 [± 0.13]	S ± .031 [± 0.79]	T +.010 -.005 [+0.25] [-0.13]	Cable Range	
		MAX.	MIN.						Open	Closed
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [30.05]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [30.05]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [30.05]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [30.05]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [30.05]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [30.05]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [30.05]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [30.05]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [30.05]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.688 [68.28]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [30.05]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.750 [69.85]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [30.05]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.750 [69.85]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [30.05]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.969 [75.41]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.031 [76.99]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.031 [76.99]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.281 [83.34]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.500 [88.90]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	1.625 [41.28]	1.250 [31.75]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

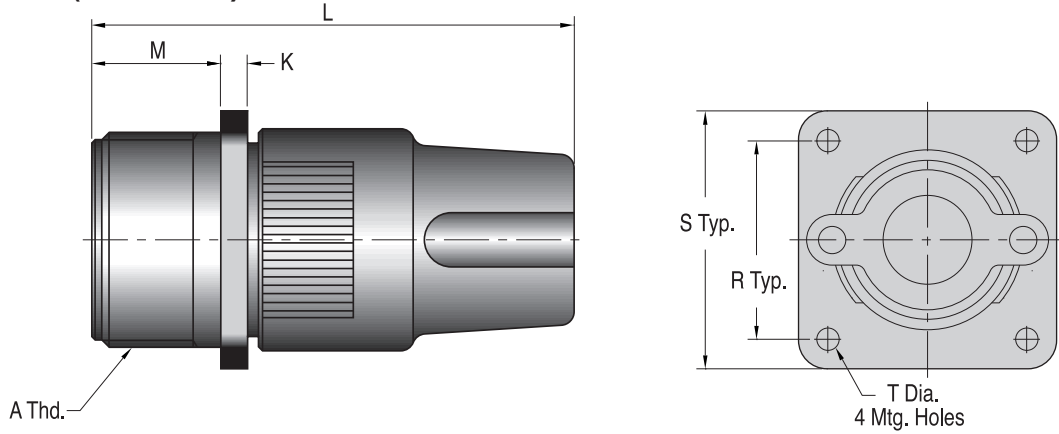
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

TEL : 82-31-318-0942 FAX : 82-31-318-0945 www.sjcnc.co.kr

MIL-C-5015 Connectors



● Wall Mounting Receptacle SJ3100R(MS3100R)



Shell Size	A Coupling Thread Class 2A	K		L MAX.	M +.031 -.000 [+.079] [-0.00]	R ± .005 [± 0.13]	S ± .031 [± 0.79]	T +.010 -.005 [+.025] [-0.13]
		MAX.	MIN.					
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.062 [26.97]	1.357 [34.92]	.120 [3.05]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	2.430 [61.72]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

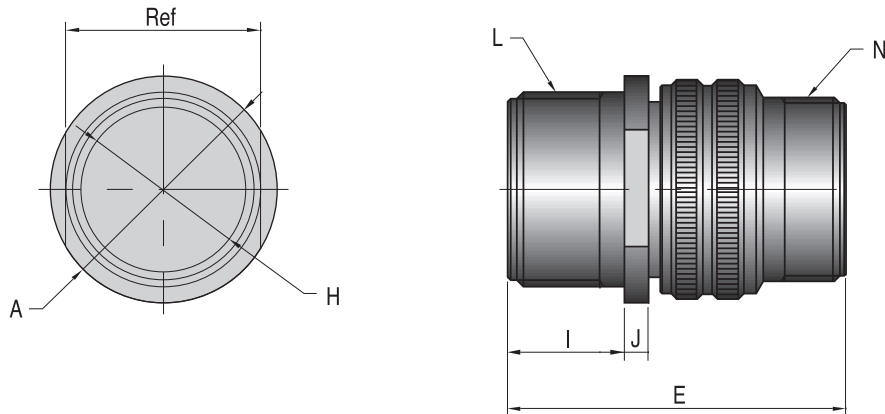
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MIL-C-5015

Connectors



● Cable Connecting Plug SJ3101A(MS3101A)



Shell Size	ø A MAX.	E MAX.	ø H $+0.38$ -0.00	I MIN.	J MAX.	L Thread-2A	N Thread-2A
8S	21.43	37.31	9.40	14.28	1.57	1/2-28 UNEF	1/2-28 UNEF
10S	24.61	38.88	11.38	14.28	1.57	5/8-24 UNEF	1/2-28 UNEF
10SL	24.61	38.88	11.38	14.28	1.57	5/8-24 UNEF	5/8-24 UNEF
12S	26.97	42.87	14.15	14.28	1.57	3/4-20 UNEF	5/8-24 UNEF
12	26.97	52.37	14.15	19.05	1.98	3/4-20 UNEF	5/8-24 UNEF
14S	29.36	42.87	17.38	14.28	1.83	7/8-20 UNEF	3/4-20 UNEF
14	29.36	52.37	17.38	19.05	1.98	7/8-20 UNEF	3/4-20 UNEF
16S	31.75	42.87	20.50	14.28	1.83	1-20 UNEF	7/8-20 UNEF
16	31.75	38.88	20.50	19.05	1.98	1-20 UNEF	7/8-20 UNEF
18	34.13	38.88	23.68	19.05	2.50	1 1/8-18 UNEF	1-20 UNEF
20	37.31	55.57	26.88	19.05	2.50	1 1/4-18 UNEF	1 3/16-18 UNEF
22	40.48	55.57	30.03	19.05	3.00	1 3/8-18 UNEF	1 3/16-18 UNEF
24	43.66	58.72	33.20	20.63	3.00	1 1/2-18 UNEF	1 7/16-18 UNEF
28	50.01	58.72	38.77	20.63	3.00	1 3/4-18 UNEF	1 7/16-18 UNEF
32	56.36	61.92	45.12	22.23	3.00	2-18 UNS	1 3/4 UNS
36	62.71	61.92	50.68	22.23	3.00	2 1/4-16 UN	2-18 UNS
40	69.06	61.92	57.03	22.23	3.00	2 1/2-16 UN	2 1/2-16 UN

1. ALL DIMENSIONS ARE MILLIMETERS.

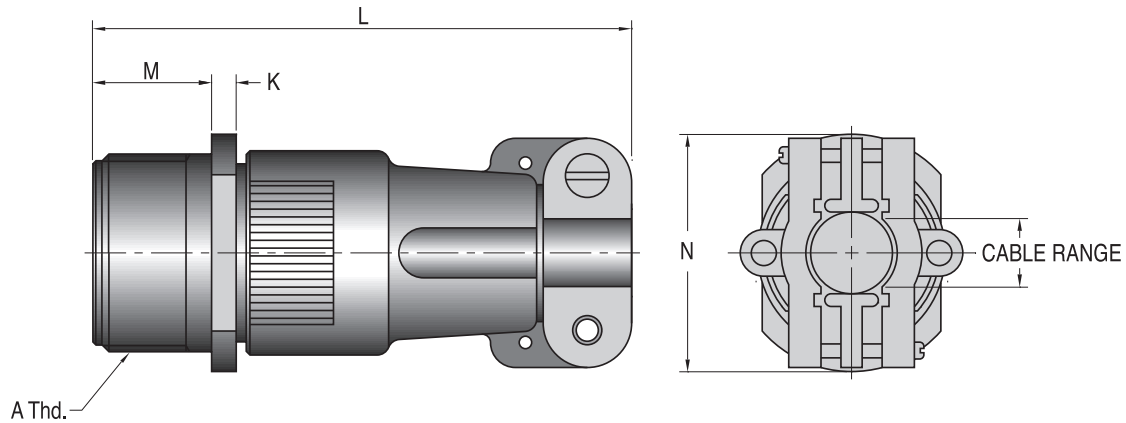
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MIL-C-5015

Connectors

● Cable Connecting Plug SJ3101E(MS3101E)



Shell Size	A Coupling Thread Class 2A	K		L MAX.	M +.031 -.000 [+.079 [-0.00]	N MAX.	Cable Range	
		MAX.	MIN.				Open	Closed
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.844 [21.44]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.969 [24.61]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	1.062 [26.97]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	1.062 [26.97]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	1.062 [26.97]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	1.156 [29.36]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	1.156 [29.36]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	1.281 [32.54]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	1.281 [32.54]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.688 [68.28]	.750 [19.05]	1.344 [34.14]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.750 [69.85]	.750 [19.05]	1.500 [38.10]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.750 [69.85]	.750 [19.05]	1.625 [41.27]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.969 [75.41]	.812 [20.62]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.031 [76.99]	.812 [20.62]	2.000 [50.80]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.031 [76.99]	.875 [22.22]	2.250 [57.15]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.281 [83.34]	.875 [22.22]	2.500 [63.50]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.500 [88.90]	.875 [22.22]	2.750 [69.85]	1.625 [41.28]	1.250 [31.75]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

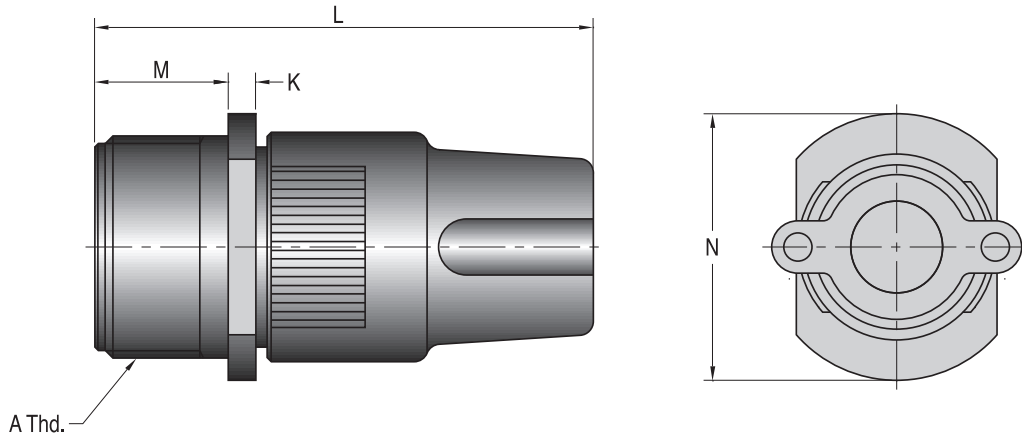
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MIL-C-5015 Connectors



● Cable Connecting Plug SJ3101R(MS3101R)



Shell Size	A Coupling Thread Class 2A	E		L MAX.	M +.031 -.000 [+0.79] [-0.00]	N MAX.
		MAX.	MIN.			
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.844 [21.44]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.969 [24.61]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	1.062 [26.97]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	1.062 [26.97]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	1.062 [26.97]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	1.156 [29.36]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	1.156 [29.36]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	1.281 [32.54]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	1.281 [32.54]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.344 [34.14]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.500 [38.10]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.625 [41.27]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.812 [20.62]	1.750 [44.45]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.812 [20.62]	2.000 [50.80]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	2.250 [57.15]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	2.500 [63.50]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	2.430 [61.72]	.875 [22.22]	2.750 [69.85]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

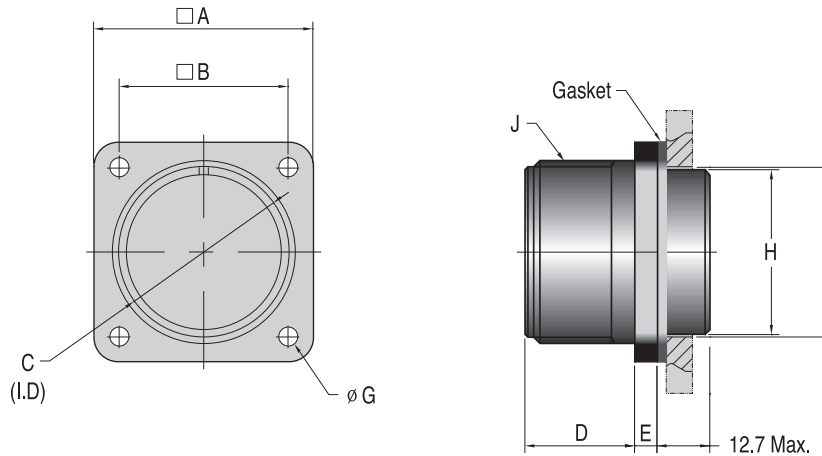
TEL : 82-31-318-0942 FAX : 82-31-318-0945 www.sjcnc.co.kr

MIL-C-5015

Connectors



● Box Mounting Receptacle SJ3102A/E/R(MS3102A/E/R)



Shell size	□ A ± 0.79	□ B ± 0.13	∅ C +0.38 -0.00	D +0.79 -0.00	E ± 0.20	∅ G +0.25 -0.12	∅ H +0.00 -4.77	∅ I +0.38 -0.00 MTG. Hole	J Thread-2A
8S	22.22	15.09	9.4	14.28	3.00	3.05	13.5	14.27	1/2-28 UNEF
10S	25.40	18.26	11.38	14.28	3.00	3.05	16.66	17.47	5/8-24 UNEF
10SL	25.40	18.26	11.38	14.28	3.00	3.05	19.35	20.62	5/8-24 UNEF
12S	27.79	20.62	14.15	14.28	3.00	3.05	19.35	20.62	3/4-20 UNEF
12	27.79	20.62	14.15	19.05	3.00	3.05	19.35	20.62	3/4-20 UNEF
14S	30.18	23.01	17.33	14.28	3.00	3.05	23.01	23.83	7/8-20 UNEF
14	30.18	23.01	17.33	19.05	3.00	3.05	23.01	23.83	7/8-20 UNEF
16S	32.54	24.61	20.50	14.28	3.00	3.05	26.21	26.97	1-20 UNEF
16	32.54	24.61	20.50	19.05	3.00	3.05	26.21	26.97	1-20 UNEF
18	34.93	26.97	23.68	19.05	4.00	3.05	29.36	30.18	1 1/8-18 UNEF
20	38.10	29.36	26.88	19.05	4.00	3.05	32.56	33.32	1 1/4-18 UNEF
22	41.28	31.75	30.03	19.05	4.00	3.05	35.71	36.53	1 3/8-18 UNEF
24	44.45	34.93	33.20	20.63	4.00	3.75	38.91	39.67	1 1/2-18 UNEF
28	50.80	39.67	38.77	20.63	4.00	3.75	45.26	46.02	1 3/4-18 UNEF
32	57.15	44.45	45.12	22.23	4.00	4.39	51.61	52.37	2-18 UNS
36	63.50	49.23	50.68	22.23	4.00	4.39	57.96	58.72	2 1/4-16 UN
40	69.85	55.58	57.03	22.23	4.00	4.39	64.31	65.07	2 1/2-16 UN

1. ALL DIMENSIONS ARE MILLIMETERS.

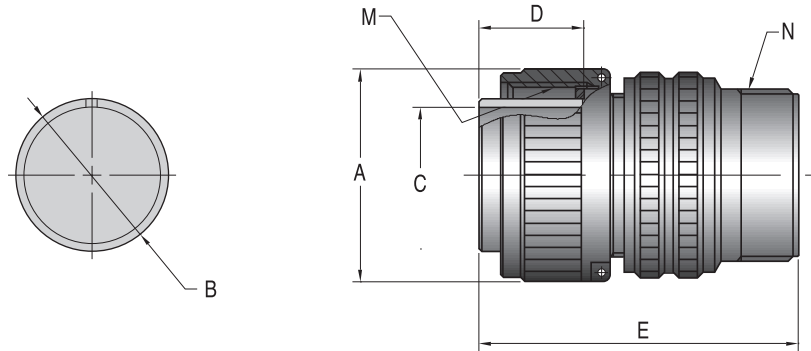
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

TEL : 82-31-318-0942 FAX : 82-31-318-0945 www.sjcnc.co.kr

MIL-C-5015 Connectors



● Straight Plug SJ3106A(MS3106A)



Shell size	ø A MAX.	ø B +0.00 -0.38 (0 °\$D)	ø C MIN. (1 °\$D)	D ± 0.12	E MAX.	M Thread-2B	N Thread-2A
8S	21.43	9.27	6.41	13.49	37.3	1/2-28 UNEF	1/2-28 UNEF
10S	24.61	11.33	8.21	13.49	38.88	5/8-24 UNEF	1/2-28 UNEF
10SL	24.61	11.33	8.21	13.49	38.88	5/8-24 UNEF	5/8-24 UNEF
12S	26.97	14.10	11.43	13.49	42.87	3/4-20 UNEF	5/8-24 UNEF
12	26.97	14.10	11.43	18.26	52.37	3/4-20 UNEF	5/8-24 UNEF
14S	29.36	17.15	13.37	13.49	42.87	7/8-20 UNEF	3/4-20 UNEF
14	29.36	17.15	13.37	18.26	52.37	7/8-20 UNEF	3/4-20 UNEF
16S	31.75	20.45	16.54	13.49	42.87	1-20 UNEF	7/8-20 UNEF
16	31.75	20.45	16.54	18.26	52.37	1-20 UNEF	7/8-20 UNEF
18	34.13	23.62	19.72	18.26	52.37	1 1/8-18 UNEF	1-20 UNEF
20	37.31	26.67	23.68	18.26	55.57	1 1/4-18 UNEF	1 3/16-18 UNEF
22	40.48	29.85	26.07	18.26	55.57	1 3/8-18 UNEF	1 3/16-18 UNEF
24	43.66	33.02	29.24	18.26	58.72	1 1/2-18 UNEF	1 7/16-18 UNEF
28	50.01	38.61	34.80	18.26	58.72	1 3/4-18 UNEF	1 7/16-18 UNEF
32	56.36	44.96	41.15	18.26	61.92	2-18 UNS	1 3/4-18 UNS
36	62.71	50.29	46.69	18.26	61.92	2 1/4-16 UN	2-18 UNS
40	69.06	56.64	52.25	18.26	61.92	2 1/2-16 UN	2 1/4-16 UN

1. ALL DIMENSIONS ARE MILLIMETERS.

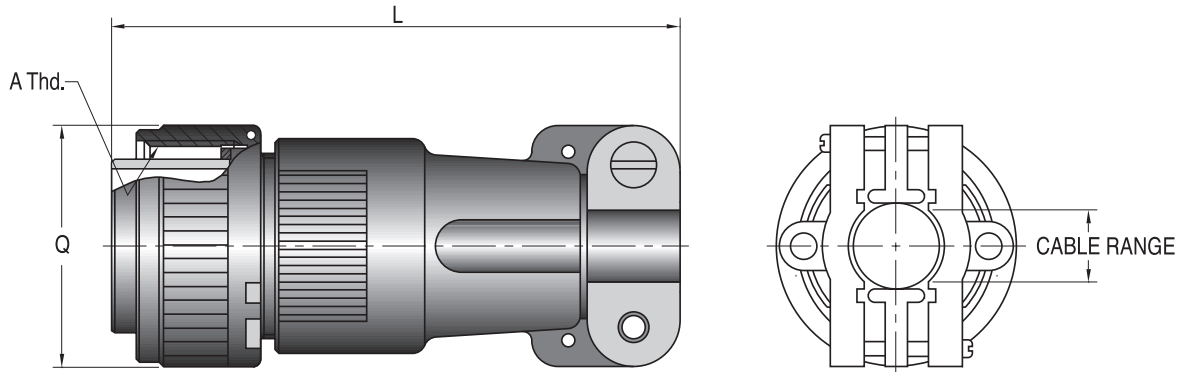
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

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MIL-C-5015 Connectors



● Straight Plug SJ3106E(MS3106E)



Shell Size	A Coupling Thread Class 2B	L MAX.	Q MAX.	Z MAX.	Cable Range	
					Open	Closed
8S	1/2-28 UNEF	2.250 [57.15]	.844 [21.44]	1.046 [26.57]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.250 [57.15]	.969 [24.61]	1.046 [26.57]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.250 [57.15]	.969 [24.61]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.625 [66.67]	1.062 [26.97]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.250 [57.15]	1.062 [26.97]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.625 [66.67]	1.156 [29.36]	1.343 [34.11]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.250 [57.15]	1.156 [29.36]	1.343 [34.11]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.250 [57.15]	1.250 [31.75]	1.484 [37.69]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.250 [57.15]	1.250 [31.75]	1.484 [37.69]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.688 [68.28]	1.344 [34.14]	1.609 [40.87]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	2.750 [69.85]	1.469 [37.31]	1.890 [48.01]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	2.750 [69.85]	1.594 [40.49]	1.890 [48.01]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	2.969 [75.41]	1.719 [43.66]	2.170 [55.12]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.031 [76.99]	1.969 [50.01]	2.170 [55.12]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	3.031 [76.99]	2.219 [56.36]	2.656 [67.46]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	3.281 [83.34]	2.469 [62.71]	2.922 [74.22]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	3.500 [88.90]	2.719 [69.06]	3.520 [89.41]	1.625 [41.28]	1.250 [31.75]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

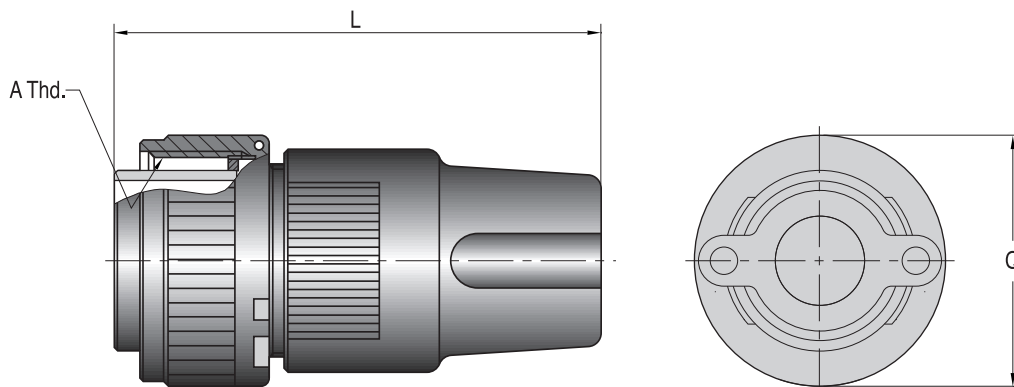
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MIL-C-5015

Connectors



● Straight Plug SJ3106R(MS3106R)



Shell Size	A Coupling Thread Class 2B	L MAX.	Q MAX.
8S	1/2-28 UNEF	1.838 [46.69]	.844 [21.44]
10S	5/8-24 UNEF	1.838 [46.69]	.969 [24.61]
10SL	5/8-24 UNEF	1.838 [46.69]	.969 [24.61]
12	3/4-20 UNEF	2.181 [55.40]	1.062 [26.97]
12S	3/4-20 UNEF	1.838 [46.69]	1.062 [26.97]
14	7/8-20 UNEF	2.181 [55.40]	1.156 [29.36]
14S	7/8-20 UNEF	1.838 [46.69]	1.156 [29.36]
16	1-20 UNEF	2.181 [55.40]	1.250 [31.75]
16S	1-20 UNEF	1.838 [46.69]	1.250 [31.75]
18	1 1/8-18 UNEF	2.281 [57.94]	1.344 [34.14]
20	1 1/4-18 UNEF	2.281 [57.94]	1.469 [37.31]
22	1 3/8-18 UNEF	2.281 [57.94]	1.594 [40.49]
24	1 1/2-18 UNEF	2.281 [57.94]	1.719 [43.66]
28	1 3/4-18 UNS	2.281 [57.94]	1.969 [50.01]
32	2-18 UNS	2.322 [58.98]	2.219 [56.36]
36	2 1/4-16 UN	2.322 [58.98]	2.469 [62.71]
40	2 1/2-16 UN	2.430 [61.72]	2.719 [69.06]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

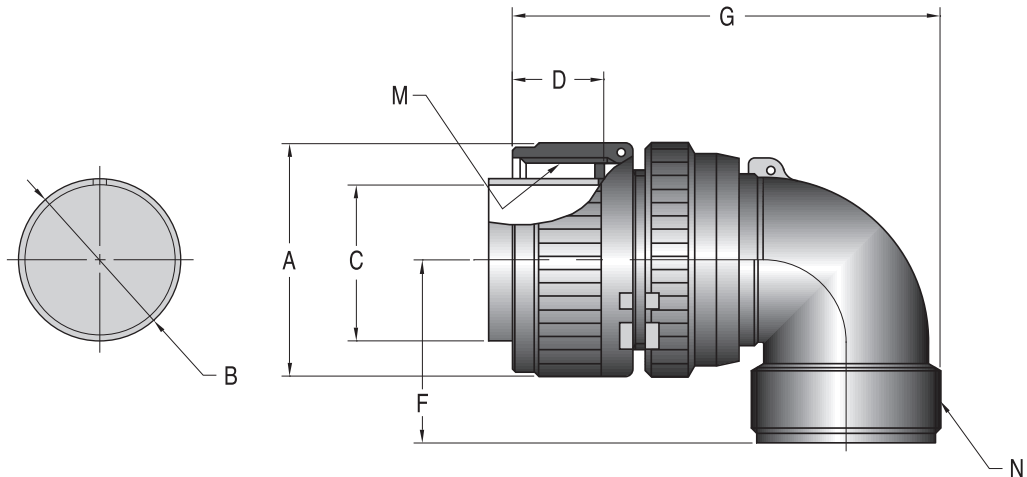
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MIL-C-5015

Connectors



● 90° Angle Plug SJ3108A(MS3108A)



Shell Size	ø A MAX.	ø B +0.00 -0.38 (0 °SD)	ø C MIN. (1 °SD)	D +0.12	F MAX.	G MAX.	M Thread-2B	N Thread-2A
8S	21.43	9.27	6.41	13.49	23.77	44.45	1/2-28 UNEF	1/2-28 UNEF
10S	24.61	11.33	8.21	13.49	25.40	44.45	5/8-24 UNEF	1/2-28 UNEF
10SL	24.61	11.33	8.21	13.49	25.40	46.02	5/8-24 UNEF	5/8-24 UNEF
12S	26.97	14.10	11.43	13.49	26.97	50.80	3/4-20 UNEF	5/8-24 UNEF
12	26.97	14.10	11.43	18.26	26.97	57.15	3/4-20 UNEF	5/8-24 UNEF
14S	29.36	17.15	13.37	13.49	28.57	53.97	7/8-20 UNEF	3/4-20 UNEF
14	29.36	17.15	13.37	18.26	28.57	58.72	7/8-20 UNEF	3/4-20 UNEF
16S	31.75	20.45	16.54	13.49	30.17	60.32	1-20 UNEF	7/8-20 UNEF
16	31.75	20.45	16.54	18.26	30.17	65.07	1-20 UNEF	7/8-20 UNEF
18	34.13	23.62	19.72	18.26	33.32	68.27	1 1/8-18 UNEF	1-20 UNEF
20	37.31	26.67	23.68	18.26	34.92	76.98	1 1/4-18 UNEF	1 3/16-18 UNEF
22	40.48	29.85	26.07	18.26	34.92	76.98	1 3/8-18 UNEF	1 3/16-18 UNEF
24	43.66	33.02	29.24	18.26	39.67	86.51	1 1/2-18 UNEF	1 7/16-18 UNEF
28	50.01	38.61	34.80	18.26	39.67	86.51	1 3/4-18 UNEF	1 7/16-18 UNEF
32	56.36	44.96	41.15	18.26	47.62	95.25	2-18 UNS	1 3/4 UNS
36	62.71	50.29	46.69	18.26	52.37	100.02	2 1/4-16 UN	2-18 UNS
40	69.06	56.64	52.25	18.26	53.97	100.02	2 1/2-16 UN	2 1/4-16 UN

1. ALL DIMENSIONS ARE MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

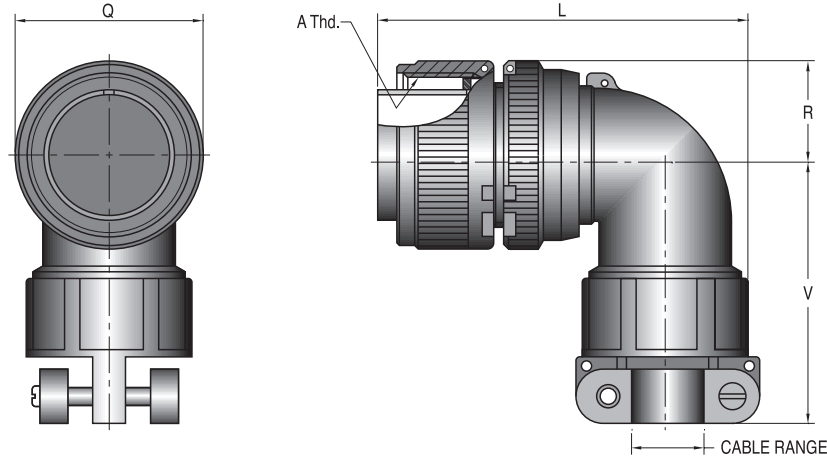
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MIL-C-5015

Connectors



● 90° Angle Plug SJ3108E/R(MS3108E/R)



Shell Size	A Coupling Thread Class 2A	L MAX.	Q MAX.	R MAX.	U MAX.	Cable Range	
						Open	Closed
8S	1/2-28 UNEF	2.156 [54.76]	.844 [21.44]	.422 [10.72]	1.469 [37.31]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.156 [54.76]	.969 [24.61]	.516 [13.11]	1.469 [37.31]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.188 [55.58]	.969 [24.61]	.516 [13.11]	1.500 [38.10]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.531 [64.29]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.188 [57.15]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.688 [68.28]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.312 [58.72]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.781 [70.64]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.406 [61.11]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.844 [72.24]	1.344 [34.14]	.750 [19.05]	1.781 [45.24]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	3.250 [82.55]	1.469 [37.31]	.844 [21.44]	1.969 [50.01]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.250 [82.55]	1.594 [40.49]	.906 [23.01]	2.000 [50.80]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.719 [94.46]	1.719 [43.66]	.953 [24.21]	2.125 [53.97]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.719 [94.46]	1.969 [50.01]	1.094 [27.79]	2.188 [55.58]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	4.188 [106.38]	2.219 [56.36]	1.234 [31.34]	2.594 [65.89]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	4.297 [109.14]	2.469 [62.71]	1.359 [34.52]	2.719 [69.06]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	4.516 [114.71]	2.719 [69.06]	1.422 [36.12]	3.188 [80.98]	1.625 [41.28]	1.250 [31.75]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

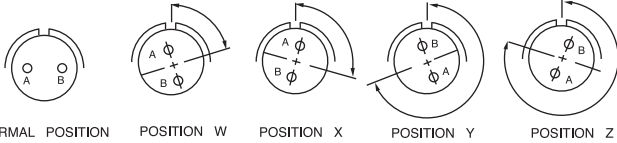
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

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MIL-C-5015 Connectors



● Alternate Insert Positions (Insulator Rotation Angle)



Shell Size	Contact Arrangement	Wire Size	Service Rating	Alternate Positions-Degrees			
				W	X	Y	Z
12S	12S-3	2 #16	A	70	145	215	290
14S	14S-2	4 #16	Inst.	-	120	240	-
	14S-5	5 #16	Inst.	-	110	-	-
	14S-7	3 #16	A	90	180	270	-
	14S-9	2 #16	A	70	145	215	290
16	16-9	2 #16	A	35	110	250	325
		2 #12					
	16-10	3 #12	A	90	180	270	-
	16-11	2 #12	A	35	110	250	325
16S	16-13	2 #12	A	35	110	250	325
	16S-1	7 #16	A	80	-	-	280
	*16S-4	2 #16	D	35	110	250	325
	16S-5	3 #16	A	70	145	215	290
18	16S-6	3 #16	A	90	180	270	-
	16S-8	5 #16	A	-	170	265	-
	18-1	10 #16	A (B, C, F, G) Inst. (all others)	70	145	215	290
	18-3	2 #12	D	35	110	250	325
	18-4	4 #16	D	35	110	250	325
	18-5	1 #16	D	80	110	250	280
		2 #12					
	18-8	7 #16	A	70	-	-	290
		1 #12					
	18-9	5 #16	Inst.	80	110	250	280
		2 #12					
	18-10	4 #12	A	-	120	240	-
	18-11	5 #12	A	-	170	265	-
	18-12	6 #16	A	80	-	-	280
	*18-13	3 #12	A	80	110	250	280
		1 #8					
	*18-15	4 #12	A	-	120	240	-
	*18-22	2 #16	D	70	145	215	290
20	20-3	3 #12	D	70	145	215	290
	20-4	4 #12	D	45	110	250	-
	20-7	8 #16	A (C-F) D (A, B, G, H) Inst.	80	110	250	280
	20-8	4 #16		80	110	250	280
		2 #8					
	20-14	3 #12	A	80	110	250	280
		2 #8					
	20-15	7 #12	A	80	-	-	280
	20-16	7 #16	A	80	110	250	280
		2 #12					
	20-17	1 #16	A	90	180	270	-
		5 #12					
	20-18	6 #16	A	35	110	250	325
		3 #12					
	20-19	3 #8	A	90	180	270	-
	20-22	3 #16	A	80	110	250	280
		3 #8					
	20-23	2 #8	A	35	110	250	325
	20-24	2 #16	A	35	110	250	325
		2 #8					
	20-27	14 #16	A	35	110	250	325
	20-29	17 #16	A	80	-	-	280
22	22-2	3 #8	D	70	145	215	290
	*22-4	2 #12	A	35	110	250	325
		2 #8					
	22-5	4 #16	D	35	110		325
		2 #12					
	*22-6	1 #16	D	80	110		280
		2 #8					
	22-9	3 #12	E	70	145		290
	22-10	4 #16	E	35	110		325
	22-11	2 #16	B	35	110		325
	22-12	3 #16	D	80	110		280
		2 #8					
	22-13	1 #16	A (A-D) D (E)	35	110		325
		4 #12					
	22-14	19 #16	A	80	-		280
	*22-15	1 #16	A (A-C, E, F) E (D)	80	110		280
		5 #12					
	22-17	8 #16	D (A)	80	110		280
		1 #12	A (all others)				
	22-18	8 #16	A (C-E) A (all others)	80	110		280
	22-19	14 #16	A	80	110		280
	22-20	9 #16	A	35	110		325
	22-22	4 #8	A	-	110		-

Shell Size	Contact Arrangement	Wire Size	Service Rating	Alternate Positions-Degrees			
				W	X	Y	Z
22	22-23	8 #12	D (H) A (all others)	35	-	250	-
	*22-27	8 #16 1 #8	D (J) A (all others)	80	-	250	280
	22-28	7 #12	A	80	-	-	280
		24-2	D	80	-	-	280
24	*24-5	16 #16	A	80	110	250	280
	*24-6	8 #12	D (A, G, H) A (all others)	80	110	250	280
	24-7	14 #16	A	80	110	250	280
		2 #12					
	*24-9	2 #4	A	35	110	250	325
	24-10	7 #8	A	80	-	-	280
	*24-11	6 #12	A	35	110	250	325
		3 #8					
	24-12	3 #12	A	80	110	250	280
		2 #4					
	24-20	9 #16	D	80	110	250	280
		2 #12					
	24-22	4 #8	D	45	110	250	-
	24-27	7 #16	E	80	-	-	280
	24-28	24 #16	Inst.	80	110	250	280
28	28-1	6 #12	D (A, E, J) AA (all others)	80	110	250	280
		3 #8					
	*28-2	12 #16	D	35	110	250	325
		2 #12					
	28-7	2 #4	D	35	110	250	325
	28-9	6 #16	D	80	110	250	280
		6 #12					
	28-10	3 #12	D (G) A (all others)	80	110	250	280
		2 #8					
		2 #4					
	28-11	18 #16	A	80	110	250	280
		4 #12					
	28-12	26 #16	A	90	180	270	280
	28-15	35 #16	A	80	110	250	280
	28-16	20 #16	A	80	110	250	-
	*28-17	15 #16	A (A-L), B (R) D (M-P)	80	110	250	280
	*28-19	6 #16	A (C, E, G, J, K, L) B (H, M), D (A, B)	80	110	250	280
		4 #12					
	28-20	4 #16	A	80	110	250	280
		10 #12					
	28-21	37 #16	A	80	110	250	280
	*28-22	3 #16	D	70	145	215	290
32	*32-1	3 #12	E(A) D (all others)	80	110	250	280
		2 #0					
	*32-6	16 #16	A	80	110	250	280
		2 #12					
		3 #8					
		2 #4					
	32-7	28 #16	Inst. (A, B, h, j) A (all others)	80	110	235	280
		7 #12					
	32-8	24 #16	A	80	110	235	280
		6 #12					
	*32-9	12 #16	D	80	110	250	280
		2 #4					
	32-15	2 #0	D	35	110	250	280
		6 #12					
	32-17	4 #4	D	45	110	250	-
36	*36-4	3 #0	A (B, C) D (A)	70	145	215	290
	36-5	4 #0	A	-	120	240	-
	36-6	4 #4	A	35	110	250	325
		2 #0					
	36-7	40 #16	A	80	110	250	280
		7 #12					
	36-8	40 #16	A	80	110	250	280
		1 #12					
	36-9	14 #16	A	80	125	235	280
		14 #12					
		2 #8					
		1 #4					
	36-10	48 #16	A	80	125	235	280
	36-14	6 #16	D	90	180	270	-
		5 #12					
		5 #8					
	*36-15	35 #16	D (m) A (all others)	60	125	245	305
	40-10	16 #16	A	65	125	225	310
40	*40-56	85 #16	A	72	144	216	288
44	44-1	36 #16	D	65	125	225	310
		6 #12					
48	*48-5	90 #16	A	65	125	225	310
		1 #8 9 #12					

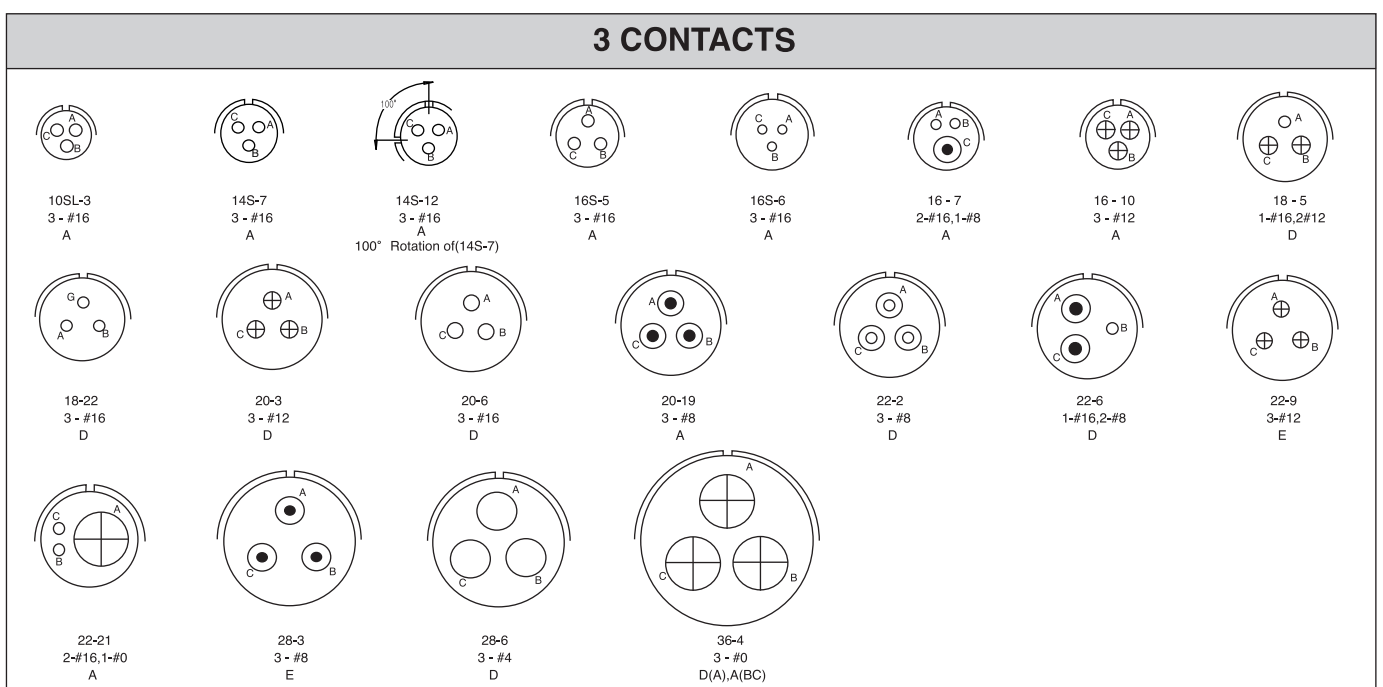
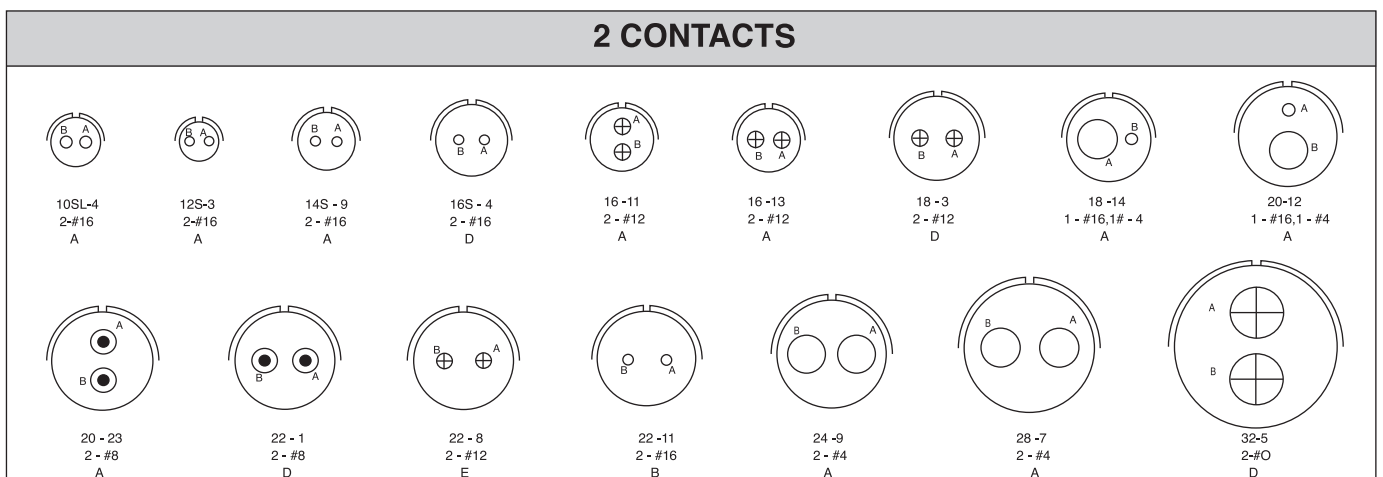
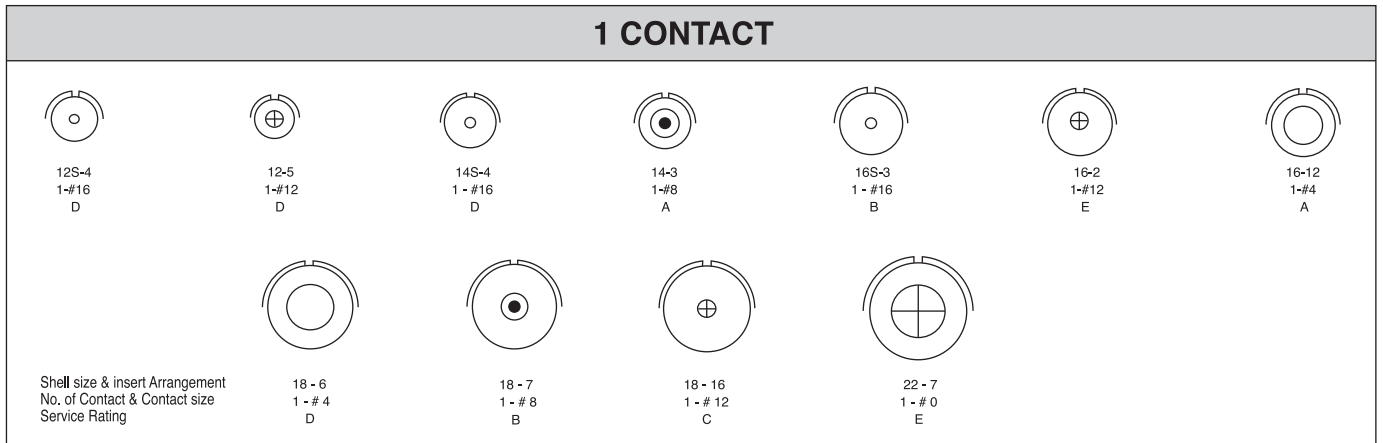
SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

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MIL-C-5015 Connectors



● Insert Arrangements



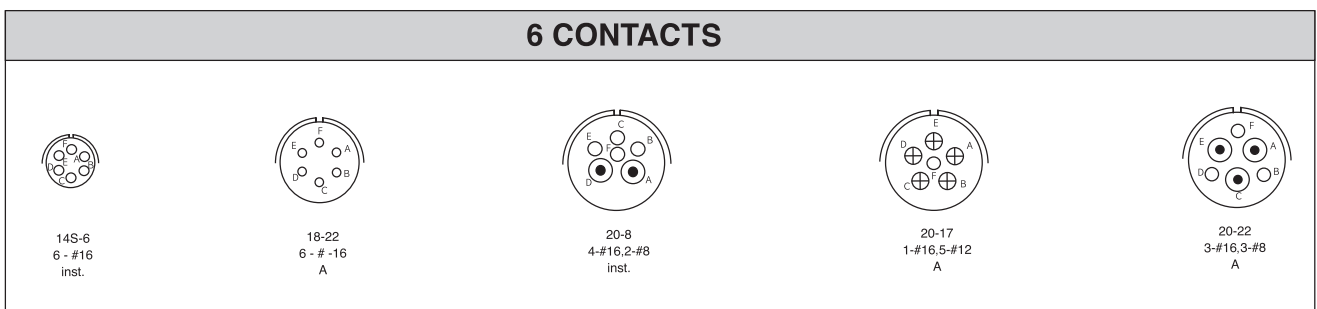
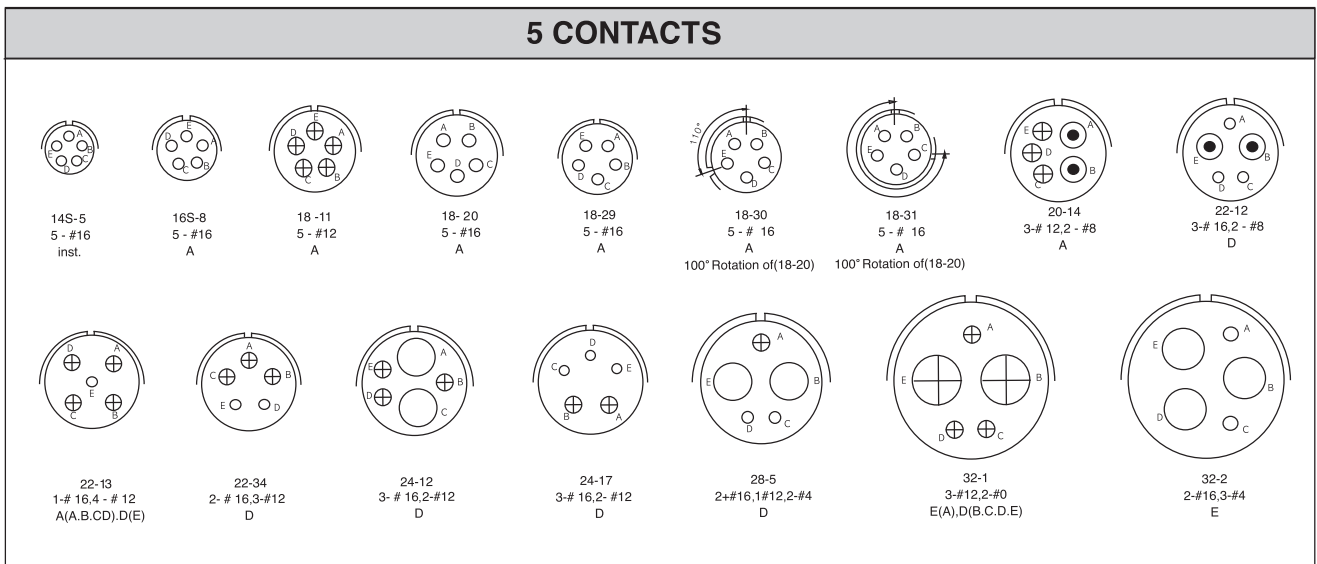
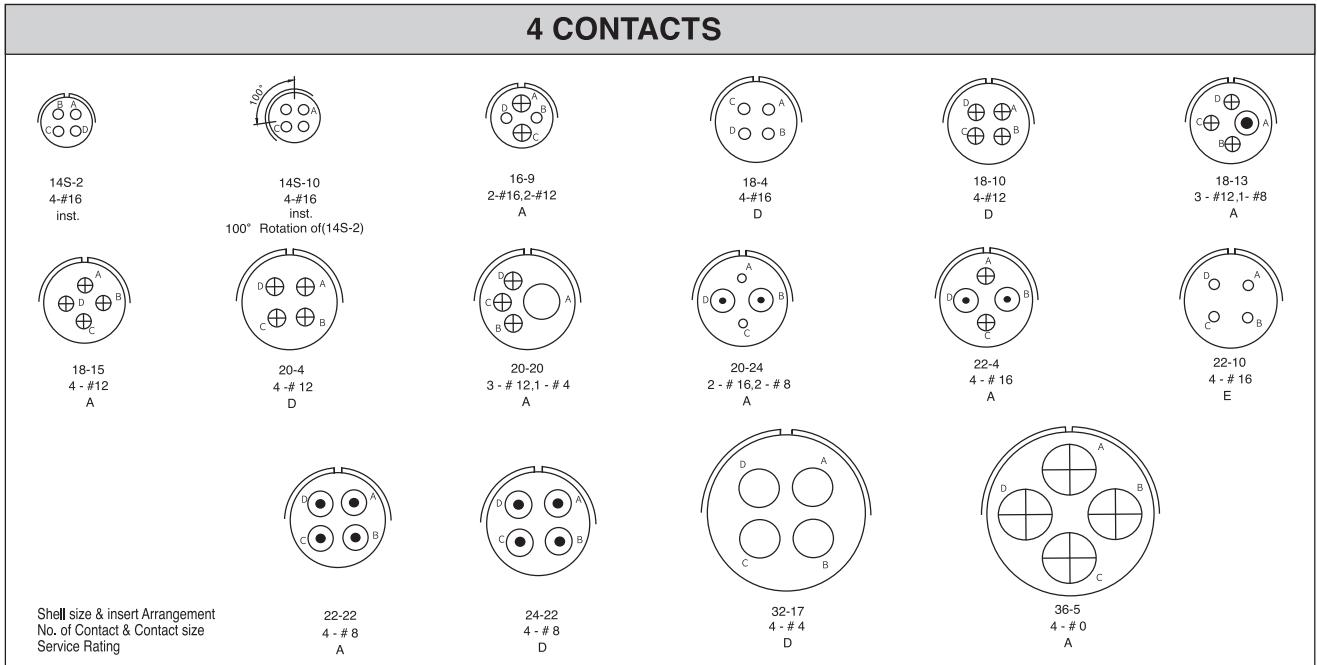
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● Insert Arrangements



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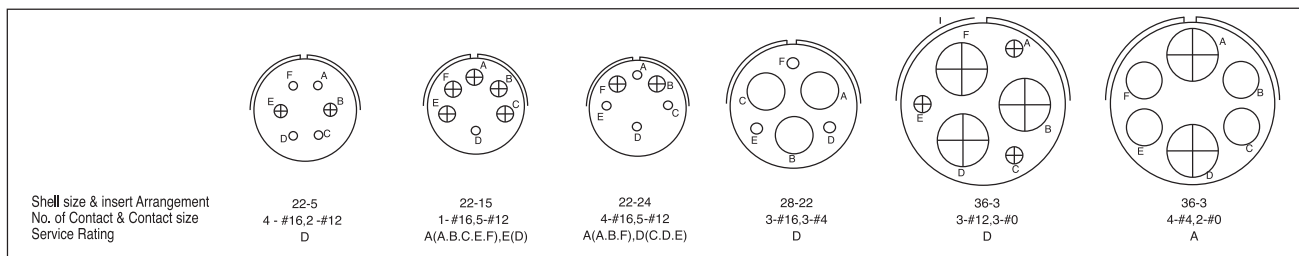
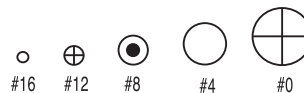
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MIL-C-5015 Connectors

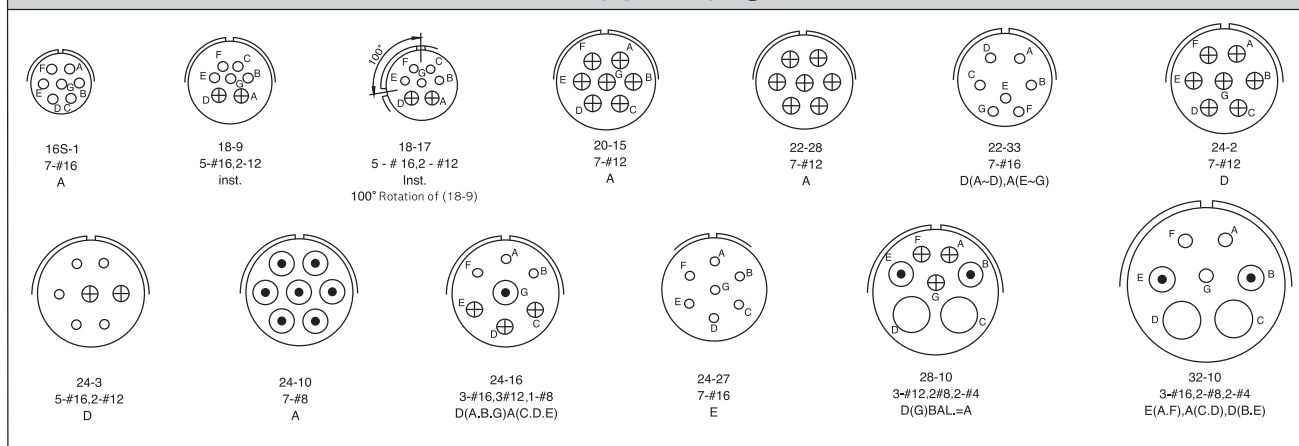


● Insert Arrangements

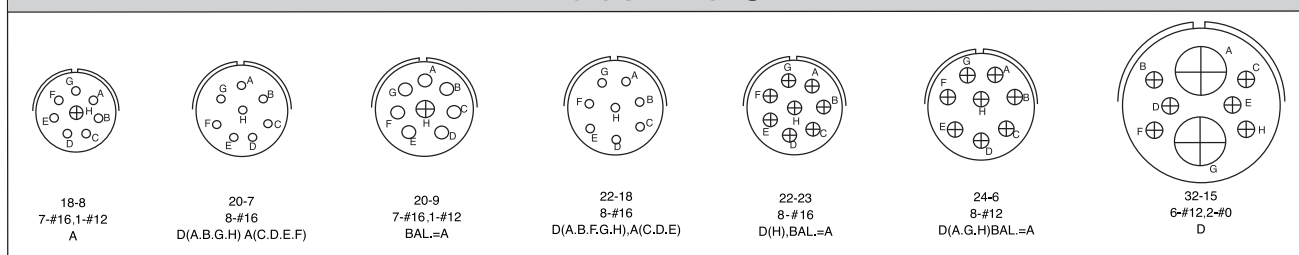
Contact Legend



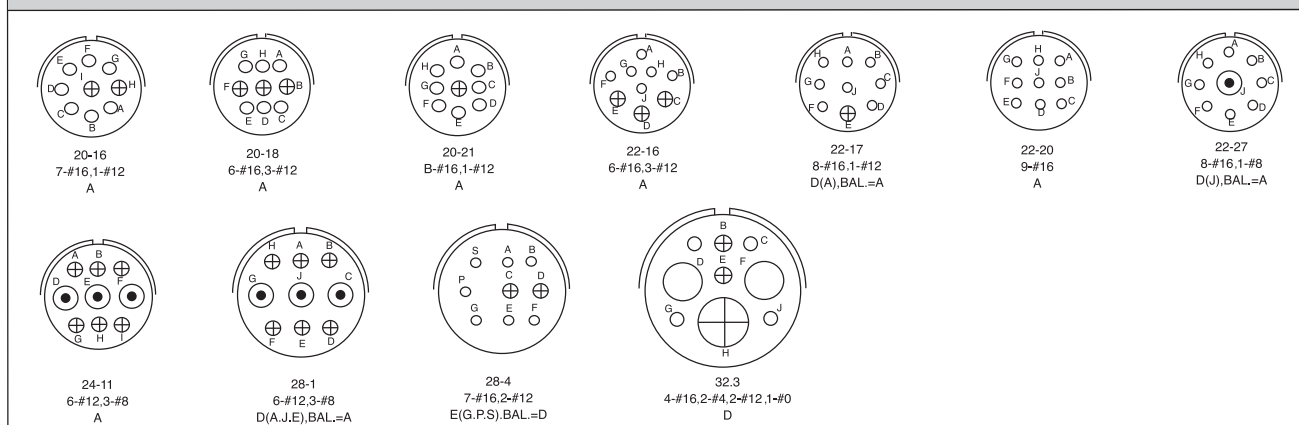
7 CONTACTS



8 CONTACTS



9 CONTACTS



SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

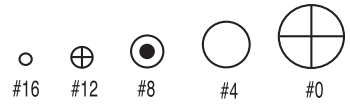
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MIL-C-5015 Connectors



● Insert Arrangements

Contact Legend



10 CONTACTS				
18-1 10-#16 A,B,C,G,G=Inst.,BAL	18-19 10-#16 A	18-24 10-#16 A(B,C,F,G)Inst.,BAL. 250° Rotation of (18-1)	24-21 9-#16,1#8 D	28-19 6-#16,4-#12 B(H,M),D,B,BAL.=A

11 CONTACTS		12 CONTACTS		13 CONTACTS	
20-33 11-#16 A	24-20 9-#16,2-#12 D	28-8 10-#16,2-#12 E(L,M), D,B,BAL.=A	28-9 6-#16,6-#12 D	20-11 13-#16 Inst.	20-25 13-#16 Inst.

14 CONTACTS					
20-27 14-#16 A	22-19 14-#16 A	28-2 12-#16,10-#12 D	28-20 4-#16,10-#12 A	32-4 12-#16,2-#12 A,F(J,K,N),D,B,BAL.=D	32-9 12-#16,2-#4 D

15 CONTACTS		16 CONTACTS	
28-17 15-#16 B(R),O(M,N,P),A(A-L)	32-12 10-#16,5-#12 A(C,D,E,F,G)BAL.=D	24-5 16-#16 A	24-7 4-#16,2-#12 A

17 CONTACTS		19 CONTACTS	20 CONTACTS
20-29 17-#16 A	36-13 15-#16,2-#12 E(N,P,O), BAL.=A	22-14 19-#16 A	28-16 20-#16 A

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

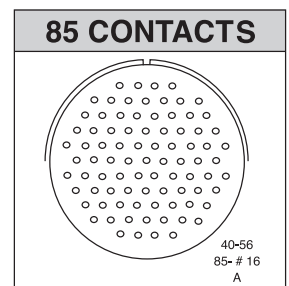
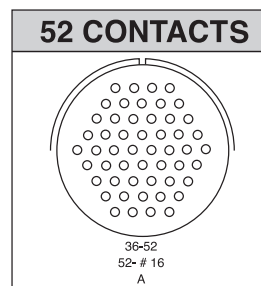
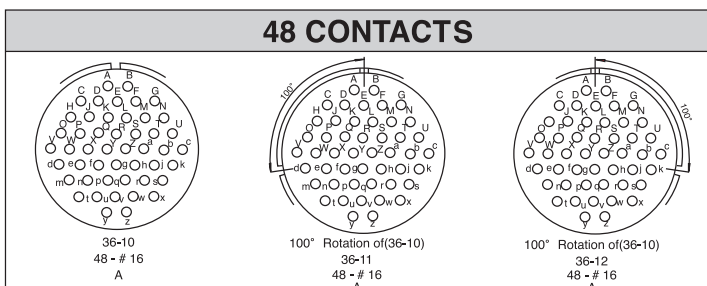
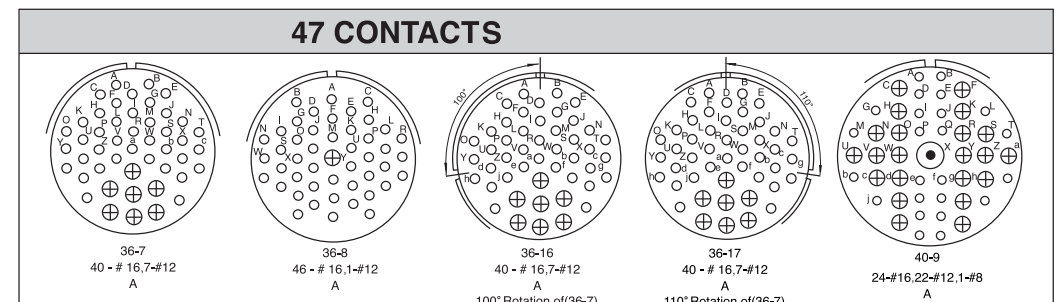
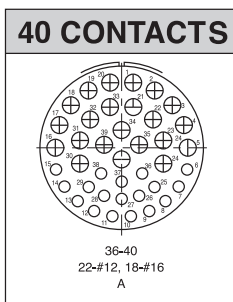
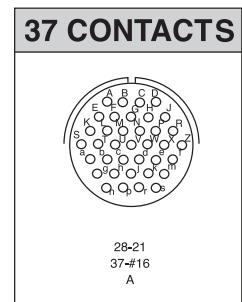
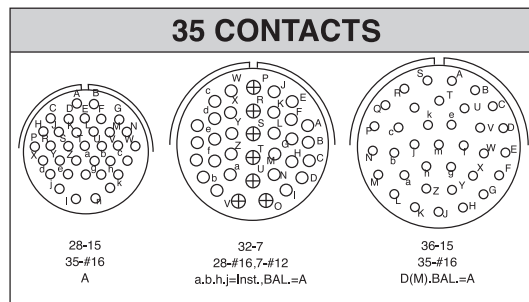
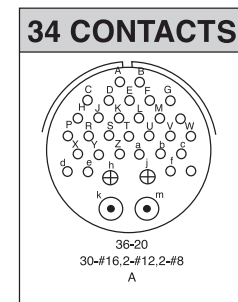
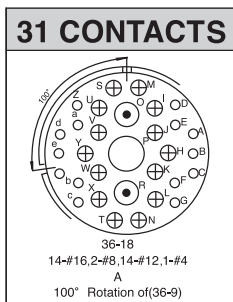
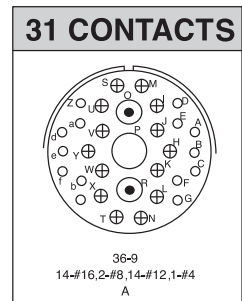
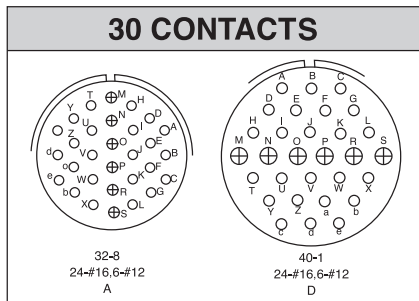
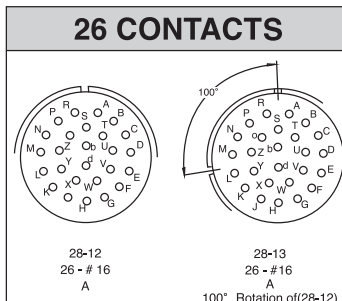
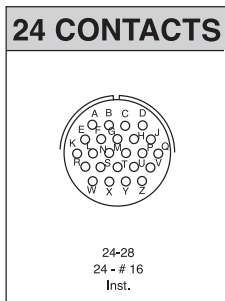
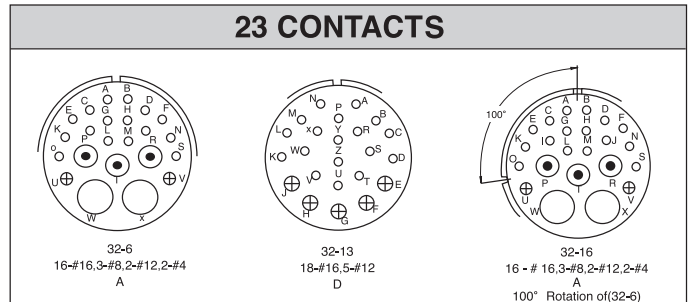
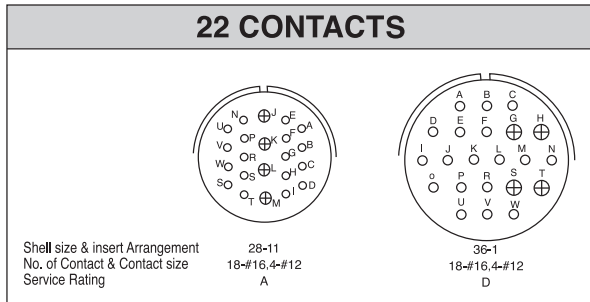
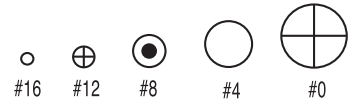
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MIL-C-5015 Connectors



● Insert Arrangements

Contact Legend



SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

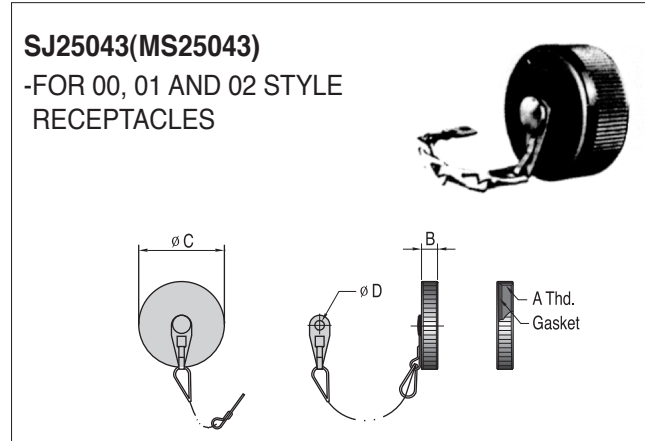
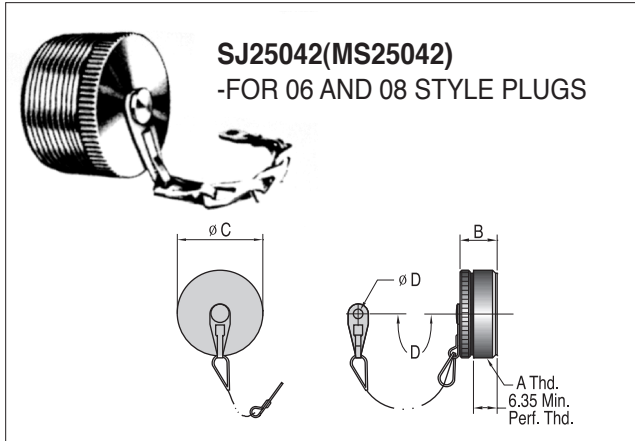
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MIL-C-5015 Connectors



● Accessories

Protective Metal Cap



● Ordering Information

MS25042 - 12 D A
SJ25042 - 12 D A

BASIC PART NO. _____

DASH NO _____

CHAIN STYLE _____

FINISH _____

CHAIN STYLE

- A - Copper Alloy Sash Chain, Black Chromate Coating
- C - Copper Alloy Sash Chain, Green Chromate Coating
- D - Stainless steel Sash Chain, Passivated
- R - Stainless steel Rope

FINISH

- A - Black Anodize
- N - Electroless Nickel
- W - Cadmium, Olive Drab
- Z - Green Chromate Coating over zinc plating

DASH NO	Cap Shell Size	MS 25042-(Cap for plug)				MS 25043-(Cap for receptacle)			
		A Thread(-2A)	B Max.	C Max.	D +0.00 -0.37	A Thread(-2B)	B Max.	C Max.	D +0.00 -0.37
8	8S,	1/2-28 UNEF	16.66	14.27	4.22	1/2-28 UNEF	11.91	17.48	3.81
10	10S,10SL	5/8-24 UNEF	16.66	17.45	4.22	5/8-24 UNEF	11.91	20.70	3.81
12	12S, 12	3/4-20 UNEF	21.44	20.62	4.22	3/4-20 UNEF	11.91	25.40	3.81
14	14S, 14	7/8-20 UNEF	21.44	23.80	4.22	7/8-20 UNEF	11.91	28.58	3.81
16	16S,16	1-20 UNEF	21.44	26.97	4.22	1-20 UNEF	11.91	30.18	3.81
18	18	1 1/8-18 UNEF	21.44	30.15	4.22	1 1/8-18 UNEF	11.91	34.13	3.81
20	20	1 1/4-18 UNEF	21.44	33.32	5.0	1 1/4-18 UNEF	11.91	37.31	3.81
22	22	1 3/8-18 UNEF	21.44	36.50	5.0	1 3/8-18 UNEF	11.91	40.49	3.81
24	24	1 1/2-18 UNEF	21.44	39.67	5.0	1 1/2-18 UNEF	11.91	43.66	4.58
28	28	1 3/4-18 UNEF	21.44	46.02	5.0	1 3/4-18 UNEF	13.49	50.01	4.58
32	32	2-18 UNS	21.44	52.37	5.79	2-18 UNS	13.49	56.36	5.0
36	36	2 1/4-16 UN	21.44	58.72	5.79	2 1/4-16 UN	13.49	62.71	5.0
40	40	2 1/2-16 UN	21.44	65.07	5.79	2 1/2-16 UN	13.49	69.06	5.0
44	44	2 3/4-16 UN	21.44	71.42	5.79	2 3/4-16 UN	13.49	75.41	5.0
48	48	3-16 UN	21.44	77.77	5.79	3-16 UN	13.49	80.98	5.0

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

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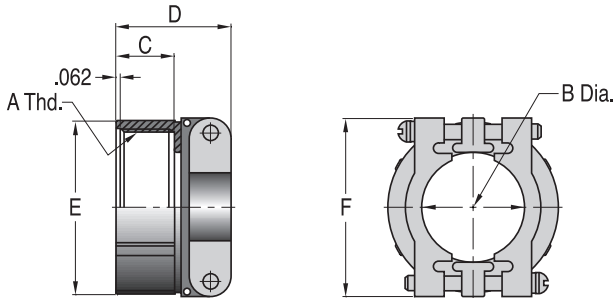
MIL-C-5015

Connectors

● Accessories

SJ3057(MS3057)-Cable Clamp

● Ordering Information



MS3057 - 12A A
SJ3057 - 12A A

BASIC PART NO. _____
DASH NO. _____
FINISH. _____

FINISH

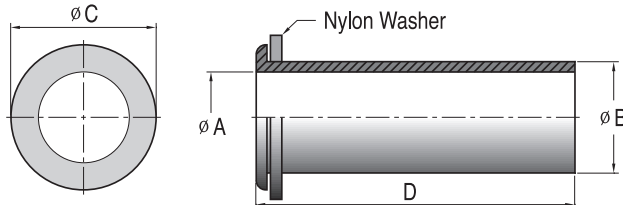
A - Black Anodize
N - Electroless Nickel
W - Cadmium Olive Drab
Z - Green Chromate Coating Over Zink Plating

Dash No.	Connector Shell Size(Ref)	A Thread	B Wire Bundle Accommodation Max.	C	D	E	F
3	8S & 10S	.500-28 UNEF-2B	.250[6.35]	.406[10.31]	.812[20.62]	.688[17.48]	.812[20.62]
4	10SL, 12S & 12	.625-24 UNEF-2B	.312[7.92]	.406[10.31]	.812[20.62]	.812[20.62]	.875[22.22]
6	14S, & 14	.750-20 UNEF-2B	.438[11.13]	.406[10.31]	.875[22.22]	.969[24.61]	1.062[26.97]
8	16S, 16	.875-20 UNEF-2B	.562[14.27]	.406[10.31]	.938[23.83]	1.094[27.79]	1.156[29.36]
10	18	1.000-20 UNEF-2B	.625[15.88]	.406[10.31]	.938[23.83]	1.188[30.18]	1.250[31.75]
12	20 & 22	1.188-18 UNEF-2B	.750[19.05]	.406[10.31]	.938[23.83]	1.375[34.93]	1.469[37.31]
16	24 & 28	1.438-18 UNEF-2B	.938[23.83]	.406[10.31]	1.031[26.19]	1.656[42.06]	1.688[42.88]
20	32	1.750-18 UNS-2B	1.250[31.75]	.469[11.91]	1.094[27.79]	2.031[51.59]	2.031[51.59]
24	36	2.000-18 UNS-2B	1.375[34.93]	.531[13.49]	1.156[29.36]	2.219[56.36]	2.281[57.94]
28	40	2.250-16 UN-2B	1.625[41.28]	.531[13.49]	1.688[42.88]	2.500[63.50]	2.688[68.28]

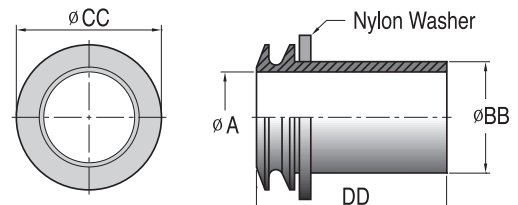
1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SJ3420(MS3420)-Rubber Bushing

● Ordering Information



TYPE A



TYPE W

MS3420 - 12 A
SJ3420 - 12 A

BASIC PART NO. _____
DASH NO. _____
TYPE. _____

TYPE

A - Standard type
W - Water Proof type

Dash No.	A	B	BB	C	CC	D	DD	Fits In Cable Clamp
3	.130[3.30]	.210[5.33]	.	.379[9.63]	°§	2.875[73.03]	.	MS5037-3A*
4	.220[5.59]	.302[7.67]	.302[7.67]	.551[14.00]	.465[11.81]	2.750[69.85]	1.516[38.51]	MS5037-4A*
6	.312[7.92]	.427[10.85]	.427[10.85]	.669[16.99]	.579[14.71]	2.625[66.68]	1.516[38.51]	MS5037-6A*
8	.437[11.10]	.552[14.02]	.552[14.02]	.787[20.00]	.705[17.91]	2.500[63.50]	1.516[38.51]	MS5037-8A*
10	.562[14.27]	.615[15.62]	.615[15.62]	.917[23.29]	.850[21.59]	2.375[60.33]	1.516[38.51]	MS5037-10A*
10-1	.472[12.00]	.	.615[15.62]	.	.850[21.59]	.	1.516[38.51]	MS5037-10A*
10-2	.453[11.51]	.	.615[15.62]	.	.850[21.59]	.	1.516[38.51]	MS5037-10A*
12	.625[15.88]	.740[18.80]	.740[18.80]	1.102[27.99]	.988[25.10]	2.250[57.15]	1.547[39.29]	MS5037-12A*
12-1	.512[13.00]	.	.740[18.80]	.	.988[25.10]	.	1.547[39.29]	MS5037-12A*
12-2	.492[12.50]	°§	.740[18.80]	.	.988[25.10]	.	1.547[39.29]	MS5037-12A*
16	.750[19.05]	.927[23.55]	.927[23.55]	1.350[34.29]	1.201[30.51]	2.125[53.98]	1.575[40.01]	MS5037-16A*
16-1	.610[15.49]	.	.927[23.55]	.	1.201[30.51]	.	1.575[40.01]	MS5037-16A*
20	.937[23.80]	1.240[31.50]	1.240[31.50]	1.654[42.01]	1.504[38.20]	2.000[50.80]	1.614[41.00]	MS5037-20A*
24	1.250[31.75]	1.365[34.67]	.	1.902[48.31]	.	1.875[47.63]	.	MS5037-24A*
28	1.375[34.93]	1.641[41.00]	.	2.085[52.96]	.	1.750[44.45]	.	MS5037-28A*

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SUNGJIN CONNECTOR & CONNECTION TECHNOLOGIES

TEL : 82-31-318-0942 FAX : 82-31-318-0945 www.sjcnc.co.kr

MIL-C-5015 SERIES

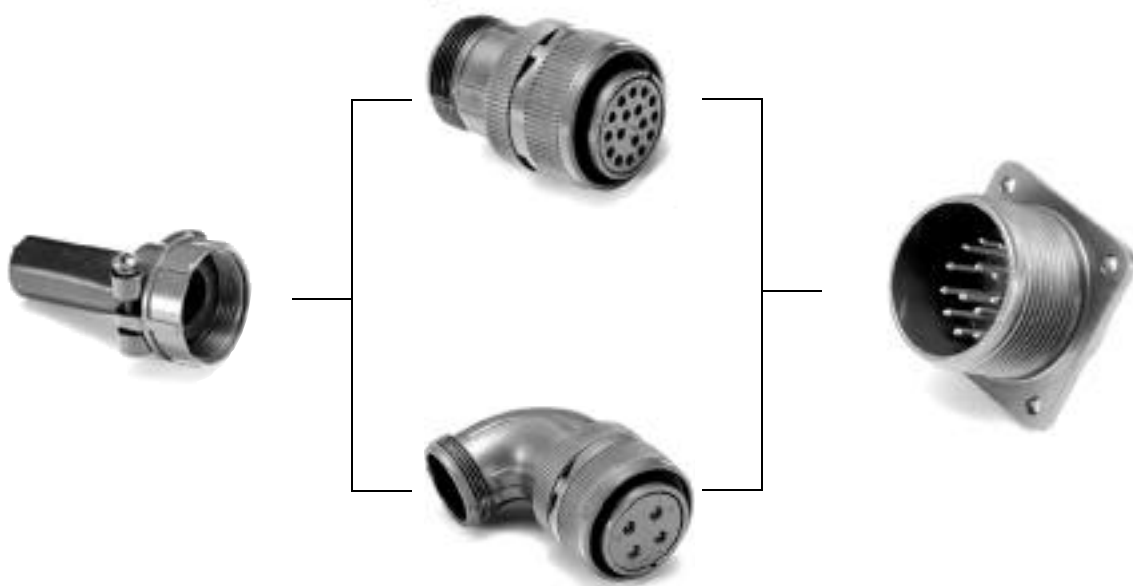
Split Type Connectors



MIL-C-5015 Series



• Connector Components



• Contact Current Rating and Retention

Contact Size*	Current Rating		Contact Retention	
	Amperes Max.	Voltage Drop Millivolts	Axial Load	
			lb	N
16	12	50	25	111.2
12	23	50	30	133.4
8	46	25	50	222.4
4	80	14	60	266.9
0	150	12	75	333.6

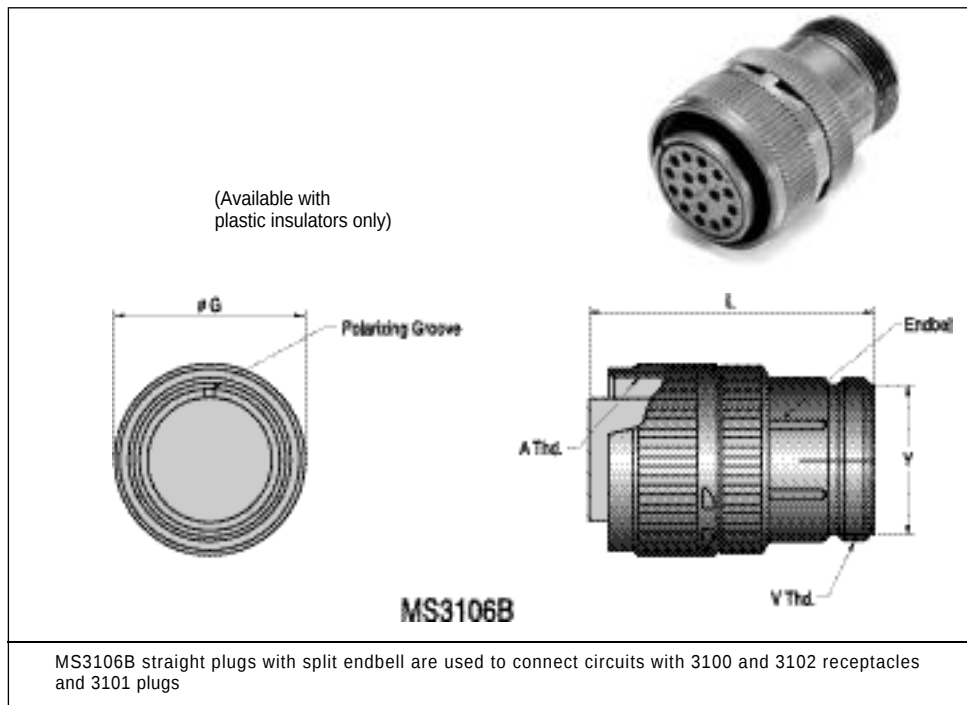
MIL-C-5015 SERIES

Split Type Connectors



● MS3106 B

STRAIGHT PLUG SPLIT ENDBELL



(mm)

Shell size	G Max.	L Max.	Y Max.	A Thread-2B	V Thread-2B
8S	21.43	37.31	7.92	1/2-28 UNEF-2B	1/2-28 UNEF-2A
10S	24.61	38.88	7.89	5/8-24 UNEF-2B	
10L			10.41		
12S	26.97	42.87	9.09	3/4-20 UNEF-2B	5/8-24 UNEF-2A
12		52.37	19.83		
14S	29.36	42.87	23.06	7/8-20 UNEF-2B	3/4-20 UNEF-2A
14		52.37	22.98		
16S	31.75	42.87	6.18	1-20 UNEF-2B	7/8-20 UNEF-2A
16		52.37	26.18		
18	34.13			29.33	1 1/8-18 UNEF-2B
20	37.31	55.57	32.51	1 1/4-18 UNEF-2B	1 3/16-18 UNEF-2A
22	40.48		35.68	1 3/8-18 UNEF-2B	
24	43.66	58.72	38.86	1 1/2-18 UNEF-2B	1 7/16-18 UNS-2A
28	50.51		45.16	1 3/4-18 UNEF-2B	
32	56.36	61.92	51.56	2-18 UNS-2B	1 3/4-18 UNS-2A
36	62.71		57.91	2 1/4-16 UN-2B	2-18 UN-2A
40	69.06		-		

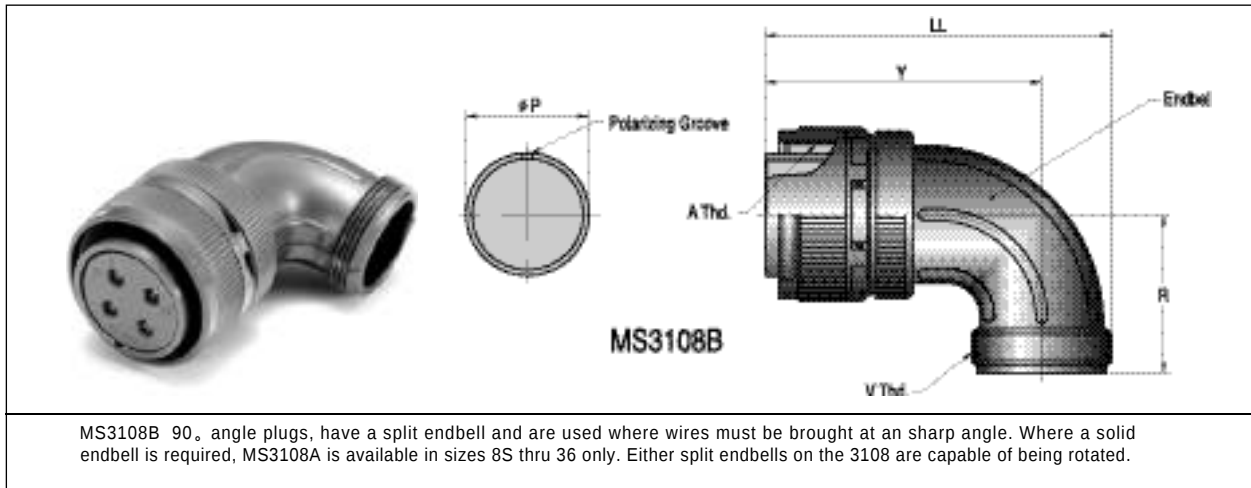
MIL-C-5015 SERIES

Split Type Connectors



● MS 3108 B

90° ANGLE PLUG SPLIT ENDBELL



(mm)

Shell size	LL Max.	P Max.	R Max.	Y Max.	A Thread(-2B)	V Thread(-2A)
8S	44.45	21.43	23.82	38.1	1/2-28 UNEF	1/2-28 UNEF
10S		24.61	25.4		5/8-24 UNEF	
10SL	46.02					5/8-24 UNEF
12S	50.80	26.97	26.97	42.87	3/4-20 UNEF	
12	57.15					
14S	53.97	29.36	28.57	44.45	7/8-20 UNEF	3/4-20 UNEF
14	58.72			49.22		
16S	60.32	31.75	30.17	53.97	1-20 UNEF	7/8-20 UNEF
16	65.07					
18	68.27	34.13	33.32	55.57	1 1/8-18 UNEF	1-20 UNEF
20	76.98	37.31	34.92	61.92	1 1/4-18 UNEF	1 3/16-18 UNEF
22	86.51	40.48			1 3/8-18 UNEF	
24		43.66	39.67	68.27	1 1/2-18 UNEF	1 7/16-18 UNEF
28	93.98	50.01			1 3/4-18 UNEF	
32	100.02	56.36	47.62	73.02	2-18 UNS	1 3/4-18 UNS
36	120.65	61.18	52.37	74.62	2 1/4-16 UN	2-18 UNS
40		69.16	53.97	92.07		2 1/4-16 UN
44		75.41	57.15	83.18		2 3/4-16 UN
48	127.78	81.76	60.32	89.69	3-16 UN	3-16 UN

MIL-C-5015 SERIES

Split Type Connectors



● Crimp Contact



Socket Contact



Pin Contact

● Wire Stripping



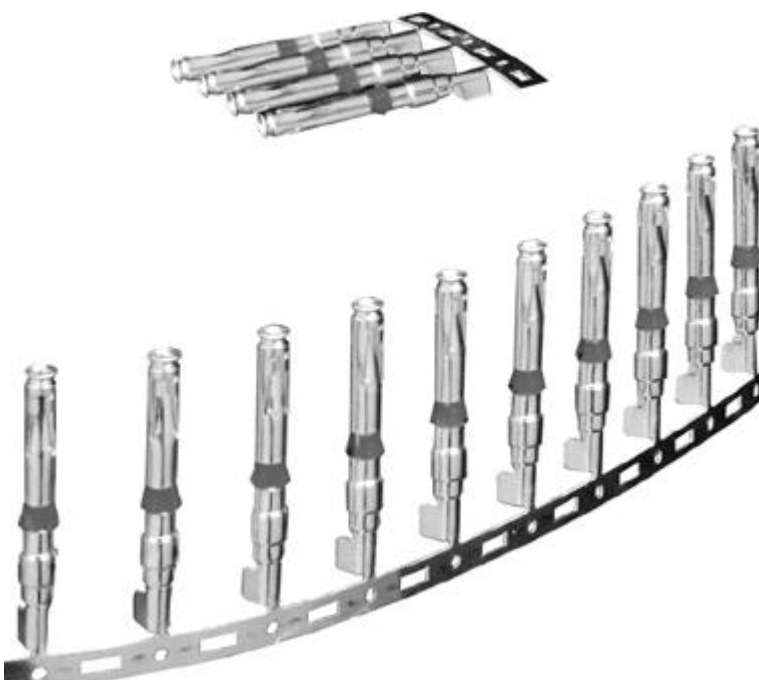
Crimping Tool

Contact Size	Wire Range		Finished Wire Dia. Range		Color Code	Crimping Tool	Turret or Positioner
	AWG	mm ²	Inch	mm			
16S	20-16	0.5-1.4	.053-103	1.34-2.62	Rd./Wh.	M22520/1-01	M22520/1-02
16	20-16	0.5-1.4	.053-103	1.34-2.62	Bl./Wh.	M22520/1-01	M22520/1-02
12	14-12	2-3	.085-158	2.15-4.01	Yel./Wh.	M22520/1-01	M22520/1-02
8	10-8	5-8.5	.132-255	3.35-6.48	Wh./Red.	M22520/23-01	M22520/23-02
4	6-4	13-21	.237-.370	6.01-9.40	Wh./Bl.	M22520/23-01	M22520/23-04
0	2-0	34-60	.360-.550	9.14-13.97	Wh./Yel.	M22520/23-01	M22520/23-05

Contact Size	A	
	Max.	Min.
16	.250 (6.35)	.220 (5.59)
12	.250 (6.35)	.220 (5.59)
8	.250 (6.35)	.220 (5.59)
4	.480 (12.18)	.450 (11.43)
0	.630 (16.00)	.600 (15.24)

Inch(mm)

● Socket Contact



● Pin Contact

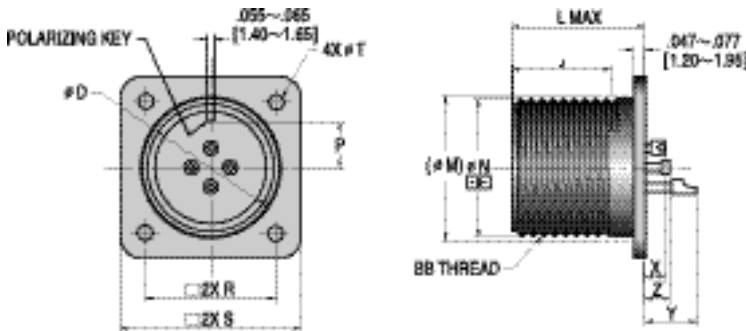


MIL-C-5015 SERIES

Hermetic Connectors



● MS 3142H - Hermetic Box Mounting Receptacle



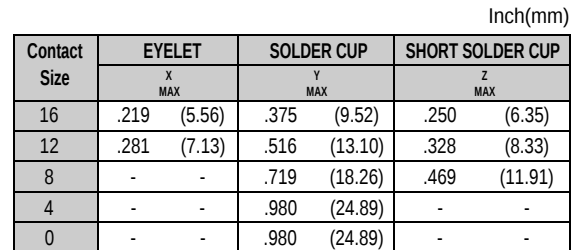
Contact Size	EYELET		SOLDER CUP		SHORT SOLDER CUP	
	X MAX		Y MAX		Z MAX	
16	.219	(5.56)	.375	(9.52)	.250	(6.35)
12	.281	(7.13)	.516	(13.10)	.328	(8.33)
8	-	-	.719	(18.26)	.469	(11.91)
4	-	-	.980	(24.89)	-	-
0	-	-	.980	(24.89)	-	-

EXPLANATION OF MS PART NUMBER

MILITARY PREFIX	MS	3142	H	T	18	C	4	P	X	ALTERNATE INSERT POSITION (BLANK) = NORMAL W. X. Y. Z
SHELL STYLE BOXMOUNTING										
CLASS H = HERMETIC SEALED										CONTACT STYLE P = PIN S = SOCKET
SHELL MATERIAL AND FINISH T = FERROUS ALLOY S = STAINLESS STEEL										INSERT ARRANGEMENT
SHELL SIZE (SEE TABLE)										CONTACT TYPE C = SOLDER CUP T = EYELET

Shell Size	BB Thread Class 2A	ØD	L MAX		J MIN THREAD	ØN	(ØM) MOUNTING HOLE DIM		P	R		S		T	
			SIZE 20, 16 12&8 CONT	SIZE 4, 0 CONTACT											
8S	1/2-28 UNEF	.385 .370	(9.78) (9.39)			.532 .470	(13.51) (11.94)	.562	(14.27)	.140 .130	(3.55) (3.30)	.594	(15.08)	.906 .844	(23.01) (21.43)
10S	5/8-24 UNEF	.463	(11.76)			.656	(16.66)	.562	(17.47)	.175	(4.44)	.719	(18.26)	1.031	(26.18)
10SL	5/8-20 UNEF	.448	(11.38)			.594	(15.09)			.165	(4.19)			.969	(24.61)
12S	3/4-20 UNEF	.573 .558	(14.55) (14.17)			.782 .720	(19.86) (18.28)	.812	(20.62)	.234 .224	(5.94) (5.68)	.812	(20.62)	1.125 1.063	(28.57) (27.00)
14S	7/8-20 UNEF	.693 .678	(17.60) (17.22)			.906 .844	(23.01) (21.44)	.938	(23.82)	.273 .263	(6.93) (6.68)	.906	(23.01)	1.219 1.157	(30.96) (29.39)
16S	1-20 UNEF	.823 .808	(20.90) (20.52)			1.032 .970	(26.21) (24.64)	1.062	(26.97)	.335 .325	(8.51) (8.25)	.969	(24.61)	1.312 1.250	(33.32) (31.75)
12	3/4-20 UNEF	.573 .558	(14.55) (14.17)			.782 .720	(19.86) (18.28)	.812	(20.62)	.234 .224	(5.94) (5.68)	.812	(20.62)	1.219 1.157	(30.96) (29.39)
14	7/8-20 UNEF	.693 .678	(17.60) (17.22)			.906 .844	(23.01) (21.44)	.938	(23.82)	.273 .263	(6.92) (6.68)	.906	(23.01)		
16	1-20 UNEF	.823 .808	(20.90) (20.52)			1.032 .970	(26.21) (24.64)	1.062	(26.97)	.335 .325	(8.51) (8.25)	.969	(24.61)	1.312 1.250	(33.32) (31.75)
18	1 1/8-18UNEF	.948 .933	(24.08) (23.69)			1.156 1.094	(29.36) (27.78)	1.188	(30.17)	.395 .385	(10.03) (9.78)	1.062	(26.97)	1.406 1.344	(35.71) (34.14)
20	1 1/4-18UNS	1.068 1.053	(27.13) (26.75)			1.282 1.220	(32.56) (30.98)	1.312	(33.32)	.473 .463	(12.01) (11.76)	1.156	(29.36)	1.531 1.469	(38.89) (37.31)
22	1 3/8-18UNS	1.193 1.178	(30.30) (29.92)			1.406 1.344	(35.56) (34.14)	1.438	(36.52)	.520 .510	(13.20) (12.95)	1.250	(31.75)	1.656 1.594	(42.06) (40.49)
24	1 1/2-18UNS	1.318 1.303	(33.48) (33.10)			1.532 1.470	(38.91) (37.33)	1.562	(39.67)	.583 .537	(14.80) (14.55)	1.375	(34.92)	1.781 1.719	(45.24) (43.66)
28	1 1/8-18UNS	1.538 1.523	(39.06) (38.68)			1.782 1.720	(45.26) (43.68)	1.812	(46.02)	.693 .683	(17.60) (17.34)	1.562	(39.67)	2.031 1.969	(51.59) (50.01)
32	2-18 UNS	1.788 1.773	(45.42) (45.03)			2.032 1.970	(51.61) (50.03)	2.062	(52.37)	.818 .808	(20.77) (20.52)	1.750	(44.45)	2.281 2.219	(57.94) (56.36)
36	2 1/4-16UN	2.000 1.985	(50.81) (50.42)			2.282 2.220	(57.96) (56.38)	2.312	(58.72)	.925 .915	(23.49) (23.24)	1.938	(49.22)	2.531 2.469	(64.29) (62.71)
40	2 1/2-16UN	2.252 2.237	(57.20) (56.82)			2.532 2.470	(64.31) (62.73)	2.562	(65.07)	1.033 1.023	(26.23) (25.98)	2.188	(55.57)	2.781 2.719	(70.64) (69.06)
44	2 3/4-16UN	2.507 2.492	(63.68) (63.30)			2.782 2.720	(70.66) (69.08)	2.812	(71.42)	1.160 1.150	(29.46) (29.21)	2.375	(60.32)	3.037 2.969	(76.99) (75.41)
48	3-16 UN	2.757 2.742	(70.03) (69.65)			3.032 2.970	(77.01) (75.43)	3.062	(77.77)	1.285 1.275	(32.63) (32.38)	2.625	(66.57)	3.281 3.219	(83.34) (81.76)

ML-C-5015 Series



The diagram shows a 10-pin D-sub connector with pins numbered 1 through 10. The labels and their corresponding pin positions are as follows:

- MILITARY PREFIX**: MS (Pin 1)
- SHELL STYLE**: BOXMOUNTING (Pin 2)
- CLASS**: H = HERMETIC SEALED (Pin 3)
- SHELL MATERIAL AND FINISH**: T = FERROUS ALLOY, S = STAINLESS STEEL (Pin 4)
- SHELL SIZE**: (SEE TABLE) (Pin 5)
- ALTERNATE INSERT POSITION**: (BLANK) = NORMAL, W, X, Y, Z (Pin 6)
- CONTACT STYLE**: P = PIN, S = SOCKET (Pin 7)
- INSERT ARRANGEMENT**: (Pin 8)
- CONTACT TYPE**: C = SOLDER CUP, T = EYELET (Pin 9)

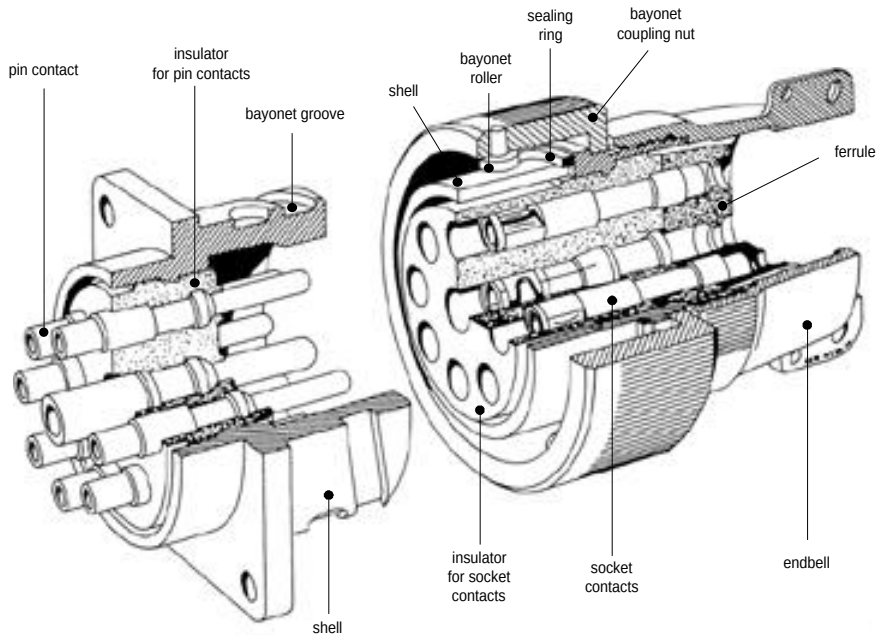
Inch(mm)																					
Shell Size	BB Thread Class 2A	ØD		L MAX				J WIN THREAD		(Ø M) MOUNTING HOLE DIM		Ø N		P		Ø R		Ø S		Ø SS	
				SIZE 20, 16 12&8 CONT	SIZE 4&0 CONT																
8S,	1/2-28 UNEF	.385 .370	(9.78) (9.40)	.730	(18.54)	---	---	.375	(9.52)	.562	(14.27)	.532 .470	(13.51) (11.94)	.140 .130	(3.55) (3.30)	.438 .418	(11.12) (10.61)	.760 .740	(19.30) (18.79)	.438 .418	(11.12) (10.61)
10S	5/8-24 UNEF	.463	(11.76)			---	---			.688	(17.47)	.656	(16.66)	.175	(4.44)	.500	(12.70)	.885	(22.47)	.500	(12.70)
10SL	5/8-24 UNEF	.448	(11.38)			---	---					.594	(15.09)	.165	(4.19)	.480	(12.19)	.865	(21.97)	.480	(12.19)
12S	3/4-20 UNEF	.573 .558	(14.55) (14.17)			---	---			.812	(20.62)	.782 .720	(19.86) (18.28)	.234 .224	(5.94) (5.68)	.656 .636	(16.66) (16.15)	1.010 .990	(25.65) (25.14)	.656 .636	(16.66) (16.15)
14S	7/8-20 UNEF	.693 .678	(17.60) (17.22)			---	---	.938	(23.82)	.906 .844	(23.01) (21.44)	.273 .263	(6.93) (6.68)	.719 .699	(18.26) (17.75)	1.135 1.115	(28.82) (28.32)	.719 .699	(18.26) (17.75)		
16S	1-20 UNEF	.823 .808	(20.90) (20.52)	.915	(23.24)	1.040	(26.41)	.625	(15.87)	1.062	(26.97)	1.032 .970	(26.21) (24.64)	.335 .325	(8.51) (8.25)	.844 .842	(21.43) (20.92)	1.260 1.240	(32.00) (31.49)	.844 .842	(21.43) (20.92)
12	3/4-20 UNEF	.573 .558	(14.55) (14.17)			---	---			.812	(20.62)	.782 .720	(19.86) (18.28)	.234 .224	(5.94) (5.68)	.656 .636	(16.66) (16.15)	1.010 .990	(25.65) (25.14)	.656 .636	(16.66) (16.15)
14	7/8-20 UNEF	.693 .678	(17.60) (17.22)			---	---			.938	(23.82)	.906 .844	(23.01) (21.44)	.273 .263	(6.93) (6.68)	.719 .699	(18.26) (17.75)	1.135 1.115	(28.82) (28.32)	.719 .699	(18.26) (17.75)
16	1-20 UNEF	.823 .808	(20.90) (20.52)			1.062	(26.97)			1.032 .970	(26.21) (24.64)	.335 .325	(8.51) (8.25)	.844 .824	(21.43) (20.92)	1.260 1.240	(32.00) (31.49)	.844 .824	(21.43) (20.92)		
18	1 1/8-18UNEF	.948 .933	(24.08) (23.69)	.915	(23.24)	1.040	(26.41)	.625	(15.87)	1.188	(30.17)	1.156 1.094	(29.36) (27.28)	.395 .385	(10.03) (9.78)	.969 .949	(24.61) (24.10)	1.385 1.365	(35.17) (34.67)	.969 .949	(24.61) (24.10)
20	1 1/4-18UNEF	1.068 1.053	(27.13) (26.74)							1.312	(33.32)	1.282 1.220	(32.56) (30.98)	.473 .463	(12.01) (11.76)	1.156 1.136	(29.36) (28.85)	1.510 1.490	(38.35) (37.84)	1.156 1.136	(29.36) (28.85)
22	1 3/8-18UNEF	1.193 1.173	(30.30) (29.79)							1.438	(36.52)	1.406 1.344	(35.71) (34.14)	.520 .510	(13.20) (12.95)	1.250 2.230	(31.75) (31.24)	1.635 1.615	(41.52) (41.02)	1.250 2.230	(31.75) (31.24)
24	1 1/2-18UNEF	1.318 1.303	(33.47) (33.09)							1.562	(39.67)	1.532 1.470	(38.91) (37.33)	.583 .573	(14.80) (14.55)	1.375 1.355	(35.92) (35.41)	1.760 1.740	(44.70) (44.19)	1.375 1.355	(35.92) (34.41)
28	1 3/4-18UNS	1.538 1.523	(39.06) (38.66)							1.812	(46.02)	1.782 1.720	(45.26) (43.68)	.693 .683	(17.60) (17.34)	1.625 1.605	(41.27) (40.76)	2.010 1.990	(51.05) (50.55)	1.625 1.605	(41.27) (40.76)
32	2-18 UNS	1.788 1.773	(45.41) (45.03)							2.062	(52.37)	2.032 1.970	(51.61) (50.03)	.818 .808	(20.77) (20.52)	1.875 1.855	(47.62) (47.11)	2.260 2.240	(57.40) (56.89)	1.875 1.855	(47.62) (47.11)
36	2 1/4-16UN	2.000 1.985	(50.80) (50.42)							2.500	(63.50)	2.282 2.220	(57.96) (56.38)	.925 .915	(23.49) (23.24)	2.125 2.105	(53.97) (53.46)	2.510 2.490	(63.75) (63.24)	2.125 2.105	(53.97) (53.46)
40	2 1/2-16UN	2.252 2.237	(57.22) (56.82)							2.750	(69.85)	2.532 2.470	(64.31) (62.73)	1.033 1.023	(26.23) (25.98)	2.375 2.355	(60.32) (59.81)	2.760 2.740	(70.10) (69.59)	2.375 2.355	(60.32) (59.81)
44	2 3/4-16UN	2.507 2.492	(63.67) (63.29)							3.000	(76.20)	2.782 2.720	(70.66) (69.08)	1.160 1.150	(29.46) (29.21)	2.625 2.605	(66.67) (66.16)	3.010 2.990	(76.45) (75.95)	2.625 2.605	(66.67) (66.16)
48	3-16UN	2.757 2.42	(70.03) (69.64)							3.250	(82.55)	3.032 2.970	(25.40) (75.43)	1.285 1.275	(32.63) (32.38)	2.876 2.855	(73.05) (72.51)	3.260 3.240	(82.80) (80.29)	2.876 2.855	(73.05) (72.51)

MIL-C-5015 SERIES

Bayonet Type Connectors



• Components



• MATERIALS AND FINISHES

Item	Material	Finish
Shell	Aluminum Alloy	Olive drab chromate coating over cadmium plating. Special Finish: A 105 clear chromate coating over cadmium plating.
Insulator	Polychloroprene	-
Grommets	Polychloroprene	-
Contacts	Copper alloy	Hard Silver Special Finish: A 176 nickel and hard gold plating.

• MECHANICAL FEATURES

Ambient temperature:	-55/125 (-67/257)
Safety provision:	IPO 7 according to DIN 40050 (1bar pressure after 12 hrs.)
Vibration test:	200m/s ² at 10 to 2000Hz
Mating cycles:	Min. 500

