

Cobb Technology

MIL-C-5015 CONNECTOR

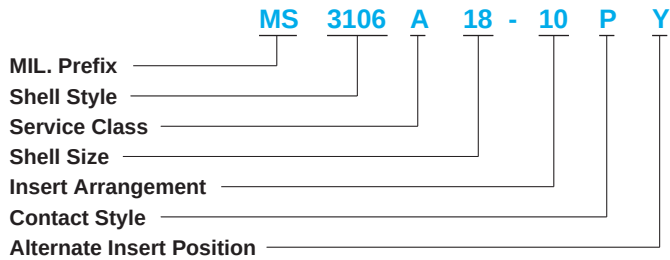


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MIL-C-5015 Series

Ordering Information



Shell Style 3100 = Wall mount receptacle 3101 = In-line receptacle 3102 = Box mount receptacle 3106 = Straight plug 3108 = Right angle plug	Shell Size 10SL, 12S, 12, 14S, 14, 16S, 16, 18, 20, 22, 24, 28, 32, 36
Service Class A = Solid endbell, solder contacts and non-pressurized. B = Split endbell, solder contacts and non-pressurized. E = Environmental, use R or F. F = R type with clamp. R = Solder contacts with grommet seal and without clamp.	Insert Arrangement See, MIL-STD-1651A
	Contact Style P = Pin S = Socket
	Alternate Insert Position W, X, Y, Z (Ref. : MIL-STD-1651A)

Typical Mating Guide



Technical Specifications

Materials & Finishes

Shell	Aluminum alloy / Olive drab chromate coating over cadmium or green zinc plating
Insulator	Synthetic rubber
Contact	Copper alloy / Silver plating
Gasket and Grommet	Synthetic rubber

Electrical Data

Operating Voltage / Test Voltage

Service Rating	Operating Voltage		Test Voltage	Air Spacing	Creepage
	DC V	AC V r.m.s.	AC V r.m.s.	Nominal (Inches)	Nominal (Inches)
Inst.	250	200	1000	-	1/16
A	700	500	2000	1/16	1/8
D	1250	900	2800	1/8	3/16
E	1750	1250	3500	3/16	1/4
B	2450	1750	4500	1/4	5/16
C	4200	3000	7000	5/16	1

Current Rating at 68°F (+20°C)

Contact Size	Contact Resistance Milliohm Max.	Test Current (Amps)	Potential Drop (Millivolts)
16	16	13	49
12	3	23	42
8	1	46	26
4	0.5	80	23
0	0.2	150	21

Insulator Resistance Min. 5000 Megohms at 77°F (+25°C) per MIL-DTL-5015, 3.18

Mechanical

Operating Temperature -67°F (-55°C) to +257°F (+125°C)

Sealing 48 hours in 6 feet of water per MIL-DTL-5015, 4.6.19.
Meet 20 day extreme humidity testing per

Wire Sealing Range

Contact Size	Insulation Outside Diameter Limit			
	Min.		Max.	
	Inches	mm	Inches	mm
16	0.064	1.63	0.130	3.30
12	0.114	2.90	0.170	4.32
8	0.164	4.17	0.255	6.48
4	0.275	6.98	0.370	9.40
0	0.415	10.54	0.550	13.97

Durability 100 cycles minimum. To MIL-DTL-5015, 3.16

Salt Spray MIL-STD-1344 Method 1001 Condition B, minimum (Cadmium) 48 hour

Heat +257°F (+125°C) for 60 hours, +185°F (+85°C) for 1000 hours per MIL-DTL-5015, 4.6.14

Chemical Resistance 20 hour full immersion unmated in hydraulic fluid and lubricating oil per MIL-DTL-5015

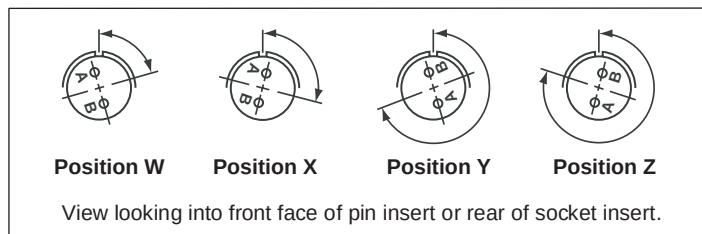
Vibration 10 to 2000Hz (10g's) 10 microseconds maximum discontinuity to MIL-STD-1344 Method 2005, condition II per MIL-DTL-5015

Shock 50g 11 millisecond duration, three major axes. 10 microseconds maximum discontinuity to MIL-DTL-5015 per MIL-STD-1344 Method 2004, condition A, 3.13

Contact Retention & Separation Forces

Contact Size	Axial Load		Separation Force Min.	
	Newtons	Lbs.	Newtons	Lbs.
16	44	10	1	0.25
12	67	15	2	0.50
8	89	20	3	0.75
4	89	20	4	1.00
0	111	25	9	2.00

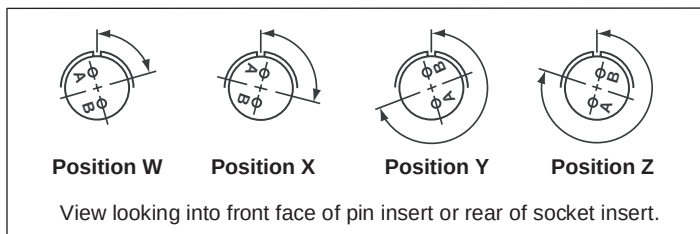
Insert Arrangement & Alternate Positioning



Insert Arrangement	Service Rating	Total Cont-acts	Contact Size					Alternate Position -Degrees			
			0	4	8	12	16	W	X	Y	Z
10SL-3	A	3					3	-	-	-	-
10SL-4	A	2					2	-	-	-	-
12S-3	A	2					2	70	145	215	290
12S-4	D	1					1	-	-	-	-
12-5	D	1				1		-	-	-	-
14S-1	A	3					3	-	-	-	-
14S-2	Inst.	4					4	-	120	240	-
14S-4	D	1					1	-	-	-	-
14S-5	Inst.	5					5	-	110	-	-
14S-6	Inst.	6					6	-	-	-	-
14S-7	A	3					3	90	180	270	-
14S-9	A	2					2	70	145	215	290
14-3	A	1			1			-	-	-	-
16S-1	A	7					7	80	-	-	280
16S-3	B	1					1	-	-	-	-
16S-4	D	2					2	35	110	250	325
16S-5	A	3					3	70	145	215	290
16S-6	A	3					3	90	180	270	-
16S-8	A	5					5	-	170	265	-
16-2	E	1				1		-	-	-	-
16-7	A	3			1		2	80	110	250	280
16-9	A	4				2	2	35	110	250	325
16-10	A	3				3		90	180	270	-
16-11	A	2				2		35	110	250	325
16-12	A	1		1				-	-	-	-
16-13	A	2				2		35	110	250	325
18-1	A/Inst.	10					10	70	145	215	290
18-3	D	2				2		35	110	250	325
18-4	D	4					4	35	110	250	325
18-5	D	3				2	1	80	110	250	280
18-6	D	1		1				-	-	-	-
18-7	B	1			1			-	-	-	-
18-8	A	8				1	7	70	-	-	290
18-9	Inst.	7				2	5	80	110	250	280
18-10	A	4				4		-	120	240	-
18-11	A	5				5		-	170	265	-
18-12	A	6					6	80	-	-	280
18-13	A	4			1	3		80	110	250	280
18-14	A	2		1			1	80	110	250	280
18-15	A	4				4		-	120	240	-
18-16	C	1				1		-	-	-	-
18-20	A	5					5	90	180	270	-
18-22	D	3					3	70	145	215	290
18-29	A	5					5	90	180	270	-
20-2	D	1	1					-	-	-	-
20-3	D	3				3		70	145	215	290
20-4	D	4				4		45	110	250	-
20-6	D	3					3	70	145	215	290
20-7	D/A	8					8	80	110	250	280
20-8	Inst.	6			2		4	80	110	250	280

Insert Arrangement	Service Rating	Total Cont-acts	Contact Size					Alternate Position -Degrees			
			0	4	8	12	16	W	X	Y	Z
20-9	D/A	8				1	7	80	110	250	280
20-11	Inst.	13					13	-	-	-	-
20-12	A	2		1			1	80	110	250	280
20-14	A	5			2	3		80	110	250	280
20-15	A	7				7		80	-	-	280
20-16	A	9				2	7	80	110	250	280
20-17	A	6				5	1	90	180	270	-
20-18	A	9				3	6	35	110	250	325
20-19	A	3			3			90	180	270	-
20-20	A	4		1		3		80	110	250	280
20-21	A	9				1	8	35	110	250	325
20-22	A	6			3		3	80	110	250	280
20-23	A	2			2			35	110	250	325
20-24	A	4			2		2	35	110	250	325
20-27	A	14					14	35	110	250	325
20-29	A	17					17	80	-	-	280
20-33	A	11					11	-	-	-	-
22-1	D	2			2			35	110	250	325
22-2	D	3			3			70	145	215	290
22-4	A	4			2	2		35	110	250	325
22-5	D	6				2	4	35	110	250	325
22-6	D	3			2		1	80	110	250	280
22-7	E	1	1					-	-	-	-
22-8	E	2				2		35	110	250	325
22-9	E	3				3		70	145	215	290
22-10	E	4					4	35	110	250	325
22-11	B	2					2	35	110	250	325
22-12	D	5			2		3	80	110	250	280
22-13	D/A	5				4	1	35	110	250	325
22-14	A	19					19	80	110	250	280
22-15	E/A	6				5	1	80	110	250	280
22-16	A	9				3	6	80	110	250	280
22-17	D/A	9				1	8	80	110	250	280
22-18	A/D	8					8	80	110	250	280
22-19	A	14					14	80	110	250	280
22-20	A	9					9	35	110	250	325
22-21	A	3	1				2	80	110	250	280
22-22	A	4			4			-	110	250	-
22-23	D/A	8				8		35	-	250	-
22-24	D/A	6				2	4	80	110	250	280
22-27	D/A	9			1		8	80	-	250	280
22-28	A	7				7		80	-	-	280
22-33	D/A	7					7	80	110	250	280
22-34	D	5				3	2	80	110	250	280
22-36	D/A	8				8		90	-	270	-
24-2	D	7				7		80	-	-	280
24-3	D	7				2	5	80	110	250	280
24-5	A	16					16	80	110	250	280
24-6	D/A	8				8		80	110	250	280
24-7	A	16				2	14	80	110	250	280

Insert Arrangement & Alternate Positioning



Insert Arrangement	Service Rating	Total Cont-acts	Contact Size					Alternate Position -Degrees			
			0	4	8	12	16	W	X	Y	Z
24-9	A	2		2				35	110	250	325
24-10	A	7			7			80	-	-	280
24-11	A	9			3	6		35	110	250	325
24-12	A	5		2		3		80	110	250	280
24-16	D/A	7			1	3	3	80	110	250	280
24-17	D	5				2	3	80	110	250	280
24-20	D	11				2	9	80	110	250	280
24-21	D	10			1		9	80	110	250	280
24-22	D	4			4			45	110	250	-
24-27	E	7					7	80	-	-	280
24-28	Inst.	24					24	80	110	250	280
28-1	D/A	9			3	6		80	110	250	280
28-2	D	14				2	12	35	110	250	325
28-3	E	3			3			70	145	215	290
28-4	E/D	9				2	7	35	110	250	325
28-5	D	5		2		1	2	35	110	250	325
28-6	D	3		3				70	145	215	290
28-8	E/D/A	12				2	10	80	110	250	280
28-9	D	12				6	6	80	110	250	280
28-10	D/A	7		2	2	3		80	110	250	280
28-11	A	22				4	18	80	110	250	280
28-12	A	26					26	90	180	270	-
28-15	A	35					35	80	110	250	280
28-16	A	20					20	80	110	250	280
28-17	B/D/A	15					15	80	110	250	280
28-18	C/D/A/Inst.	12					12	70	145	215	290
28-19	B/D/A	10				4	6	80	110	250	280
28-20	A	14				10	4	80	110	250	280
28-21	A	37					37	80	110	250	280
28-22	D	6		3			3	70	145	215	290
32-1	E/D	5	2			3		80	110	250	280
32-2	E	5		3			2	70	145	215	290
32-3	D	9	1	2		2	4	80	110	250	280
32-4	A/D	14				2	12	80	110	250	280
32-5	D	2	2					80	110	250	325
32-6	A	23		2	3	2	16	80	110	250	280
32-7	Inst./A	35				7	28	80	125	235	280
32-8	A	30				6	24	80	125	235	280
32-9	D	14		2			12	80	110	250	280
32-10	E/B/D/A	7		2	2		3	80	110	250	280
32-12	A/D	15				5	10	80	110	250	280
32-13	D	23				5	18	80	110	250	280
32-15	D	8	2			6		35	110	250	280
32-17	D	4		4				45	110	250	-
32-22	A	54					54	80	110	250	280
36-1	D	22				4	18	80	110	250	280
36-3	D	6	3			3		70	145	215	290
36-4	D/A	3	3					70	145	215	290
36-5	A	4	4					-	120	240	-
36-6	A	6	2	4				35	110	250	325

Insert Arrangement	Service Rating	Total Cont-acts	Contact Size					Alternate Position -Degrees			
			0	4	8	12	16	W	X	Y	Z
36-7	A	47				7	40	80	110	250	280
36-8	A	47				1	46	80	110	250	280
36-9	A	31		1	2	14	14	80	125	235	280
36-10	A	48					48	80	125	235	280
36-13	E/A	17				2	15	80	110	250	280
36-14	D	16			5	5	6	90	180	270	-
36-15	D/A	35					35	60	125	245	305
36-52	A	52					52	72	144	216	288

MIL-C-5015 Series

Contact Arrangement

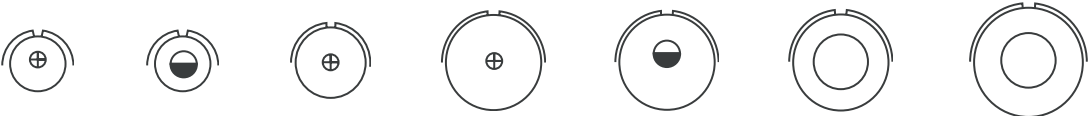


front face of pin insert or rear face of socket insert illustrated

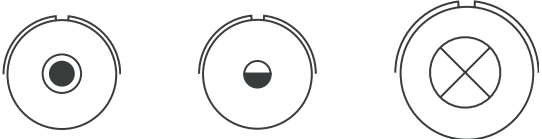
CONTACT LEGEND

16 12 8 4 0

1 CONTACT

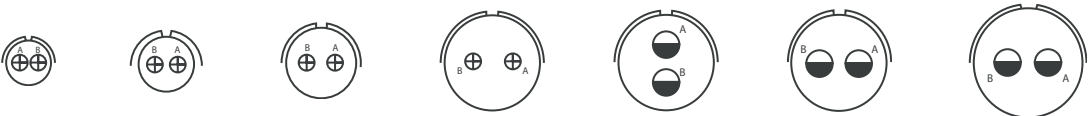


Insert Arrangement	12S - 4	12 - 5	14S - 4	16S - 3	16 - 2	16 - 12	18 - 6
Contact Size - No. of Contacts	#16 - 1	#12 - 1	#16 - 1	#16 - 1	#12 - 1	#4 - 1	#4 - 1
Service Rating	D	D	D	B	E	A	D

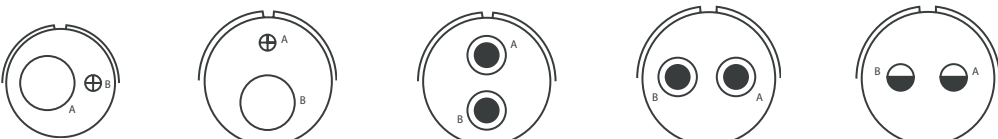


Insert Arrangement	18 - 7	18 - 16	22 - 7
Contact Size - No. of Contacts	#8 - 1	#12 - 1	#0 - 1
Service Rating	B	C	E

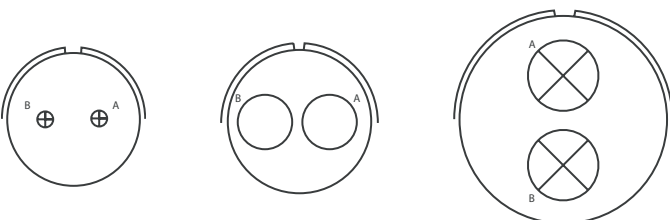
2 CONTACTS



Insert Arrangement	10SL-4	12S - 3	14S - 9	16S - 4	16 - 11	16 - 13	18 - 3
Contact Size - No. of Contacts	#16 - 2	#16 - 2	#16 - 2	#16 - 2	#12 - 2	#12 - 2	#12 - 2
Service Rating	A	A	A	D	A	A	D



Insert Arrangement	18 - 14	20 - 12	20 - 23	22 - 1	22 - 8
Contact Size - No. of Contacts	#16 - 1, #4 - 1	#16 - 1, #4 - 1	#8 - 2	#8 - 2	#12 - 2
Service Rating	A	A	A	D	E



Insert Arrangement	22 - 11	24 - 9	32 - 5
Contact Size - No. of Contacts	#16 - 2	#4 - 2	#0 - 2
Service Rating	B	A	D

Contact Arrangements



front face of pin insert or rear face of socket insert illustrated

CONTACT LEGEND

16

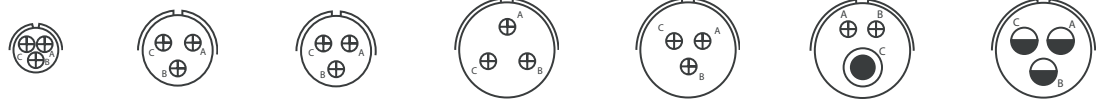
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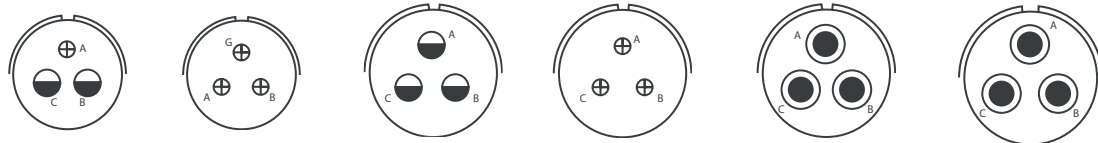
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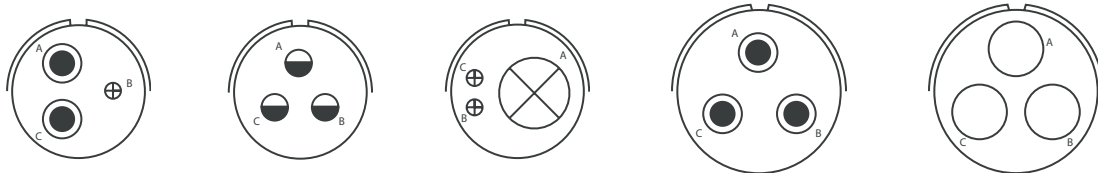
3 CONTACTS



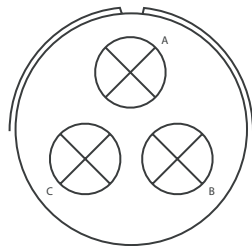
Insert Arrangement	10SL - 3	14S - 1	14S - 7	16 - 5	16 - 6	16 - 7	16 - 10
Contact Size - No. of Contacts	#16 - 3	#16 - 3	#16 - 3	#16 - 3	#16 - 3	#16 - 2, #8 - 1	#12 - 3
Service Rating	A	A	A	A	A	A	A



Insert Arrangement	18 - 5	18 - 22	20 - 3	20 - 6	20 - 19	22 - 2
Contact Size - No. of Contacts	#16 - 1, #12 - 2	#16 - 3	#12 - 3	#16 - 3	#8 - 3	#8 - 3
Service Rating	D	D	D	D	A	D



Insert Arrangement	22 - 6	22 - 9	22 - 21	28 - 3	28 - 6
Contact Size - No. of Contacts	#16 - 1, #8 - 2	#12 - 2	#16 - 2, #0 - 1	#8 - 3	#4 - 3
Service Rating	D	E	A	E	D



Insert Arrangement	36 - 4
Contact Size - No. of Contacts	#0 - 3
Service Rating	D(A) / A(B, C)

4 CONTACTS



Insert Arrangement	14S - 2	16 - 9	18 - 4	18 - 10	18 - 13	18 - 15
Contact Size - No. of Contacts	#16 - 4	#16 - 2, #12 - 2	#16 - 4	#12 - 4	#12 - 3, #8 - 1	#12 - 4
Service Rating	Inst.	A	D	A	A	A

MIL-C-5015 Series

Contact Arrangement

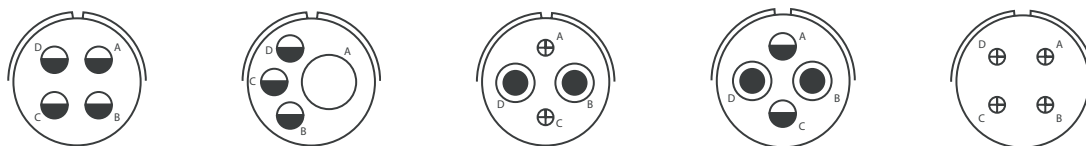


front face of pin insert or rear face of socket insert illustrated

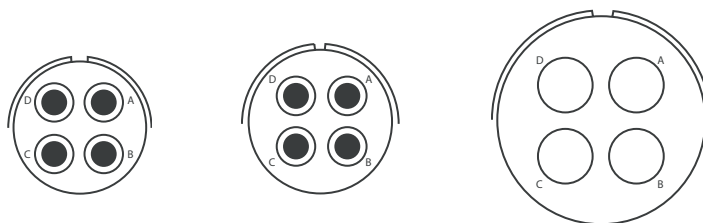
CONTACT LEGEND

16 12 8 4 0

4 CONTACTS

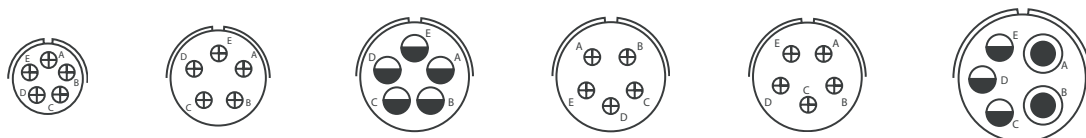


Insert Arrangement	20 - 4	20 - 20	20 - 24	22 - 4	22 - 10
Contact Size - No. of Contacts	#12 - 4	#12 - 3, #4 - 1	#16 - 2, #8 - 2	#12 - 2, #8 - 2	#16 - 4
Service Rating	D	A	A	A	E

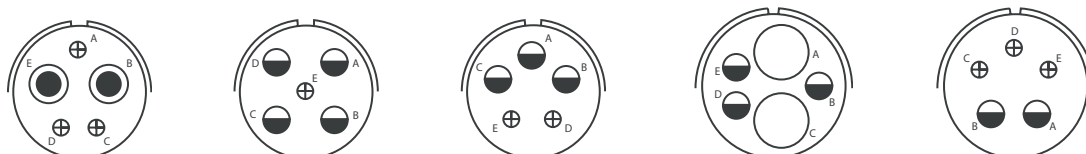


Insert Arrangement	22 - 22	24 - 22	32 - 17
Contact Size - No. of Contacts	#8 - 4	#8 - 4	#4 - 4
Service Rating	A	D	D

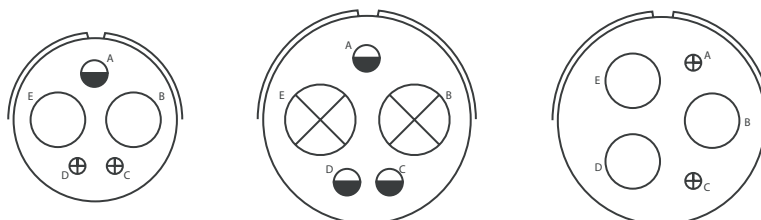
5 CONTACTS



Insert Arrangement	14S - 5	16S - 8	18 - 11	18 - 20	18 - 29	20 - 14
Contact Size - No. of Contacts	#16 - 5	#16 - 5	#12 - 5	#16 - 5	#16 - 5	#12 - 3, #8 - 2
Service Rating	Inst.	A	A	A	A	A



Insert Arrangement	22 - 12	22 - 13	22 - 34	24 - 12	24 - 17
Contact Size - No. of Contacts	#16 - 3, #8 - 2	#16 - 1, #12 - 4	#16 - 2, #12 - 3	#12 - 3, #4 - 2	#16 - 3, #12 - 2
Service Rating	D	D(E) / A(A, B, C, D)	D	A	D



Insert Arrangement	28 - 5	32 - 1	32 - 2
Contact Size - No. of Contacts	#16 - 2, #12 - 1, #4 - 2	#12 - 3, #0 - 2	#16 - 2, #4 - 3
Service Rating	D	E(A) / D(B, C, D, E)	E

Contact Arrangements



front face of pin insert or rear face of socket insert illustrated

CONTACT LEGEND

16

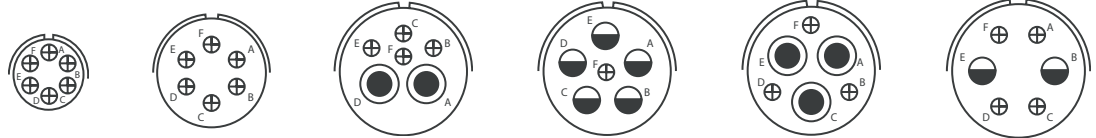
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8

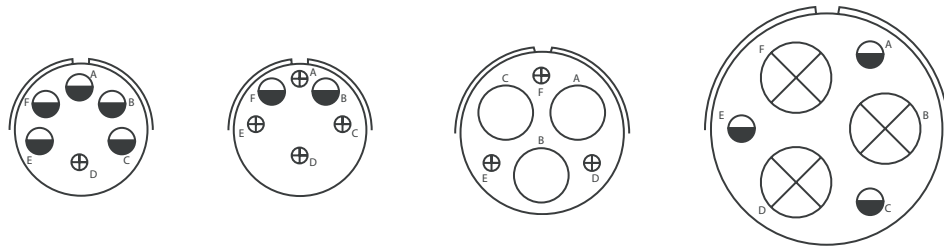
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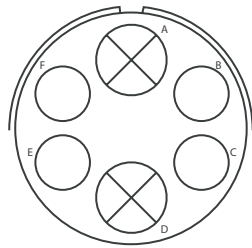
6 CONTACTS



Insert Arrangement	14S - 6	18 - 12	20 - 8	20 - 17	20 - 22	22 - 5
Contact Size - No. of Contacts	#16 - 6	#16 - 6	#16 - 4, #8 - 2	#16 - 1, #12 - 5	#16 - 3, #8 - 3	#16 - 4, #12 - 2
Service Rating	Inst.	A	Inst.	A	A	D



Insert Arrangement	22 - 15	22 - 24	28 - 22	36 - 3
Contact Size - No. of Contacts	#16 - 1, #12 - 5	#16 - 4, #12 - 2	#16 - 3, #4 - 3	#12 - 3, #0 - 3
Service Rating	E(D) / A(A, B, C, E, F)	D(C, D, E) / A(A, B, F)	D	D



Insert Arrangement	36 - 6
Contact Size - No. of Contacts	#4 - 4, #0 - 2
Service Rating	A

7 CONTACTS



Insert Arrangement	16S - 1	18 - 9	20 - 15	22 - 28	22 - 33
Contact Size - No. of Contacts	#16 - 7	#16 - 5, #12 - 2	#12 - 7	#12 - 7	#16 - 7
Service Rating	A	A	A	A	D(A, B, C, D) / A(E, F, G)



Insert Arrangement	24 - 2	24 - 3	24 - 10	24 - 16	24 - 27
Contact Size - No. of Contacts	#12 - 7	#16 - 5, #12 - 2	#8 - 7	#16 - 3, #12 - 3, #8 - 1	#16 - 7
Service Rating	D	D	A	D(A, B, F, G) / A(C, D, E)	E

MIL-C-5015 Series

Contact Arrangement

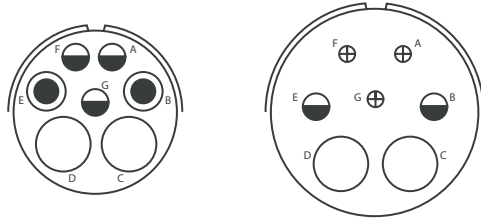


front face of pin insert or rear face of socket insert illustrated

CONTACT LEGEND

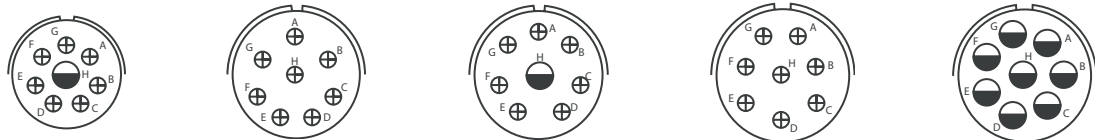
16 12 8 4 0

7 CONTACTS

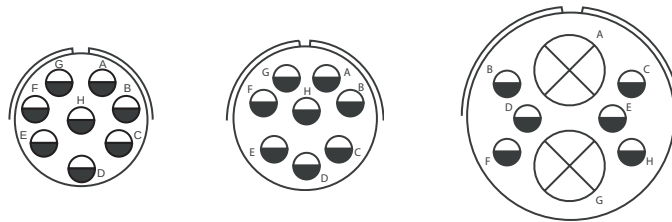


Insert Arrangement	28 - 10	32 - 10
Contact Size - No. of Contacts	#12 - 3, #8 - 2, #4 - 2	#16 - 3, #8 - 2, #4 - 2
Service Rating	D(G) / A(Bal.)	E(A, F) / B(G) / D(E) / A(C, D)

8 CONTACTS

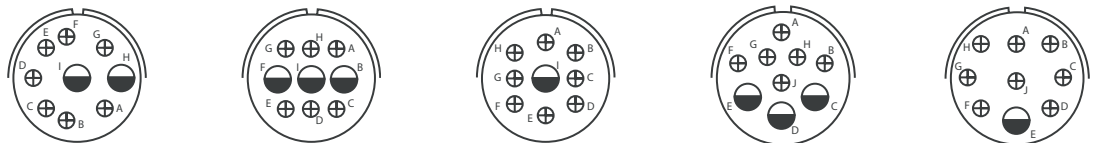


Insert Arrangement	18 - 8	20 - 7	20 - 9	22 - 18	22 - 23
Contact Size - No. of Contacts	#16 - 7, #12 - 1	#16 - 8	#16 - 7, #12 - 1	#16 - 8	#12 - 8
Service Rating	A	D(A, B, H, G) / A(C, D, E, F)	D(H) / A(Bal.)	D(A, B, F, G, H) / A(C, D, E)	D(H) / A(Bal.)

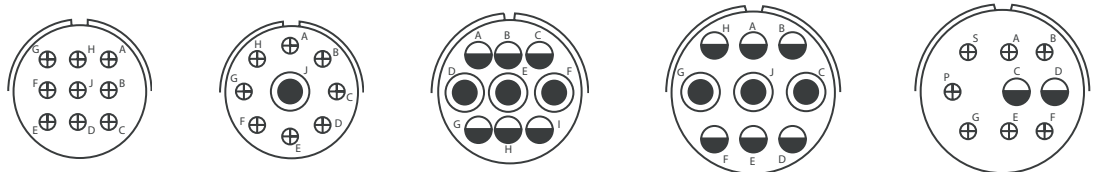


Insert Arrangement	22 - 36	24 - 6	32 - 15
Contact Size - No. of Contacts	#12 - 8	#12 - 8	#16 - 6, #0 - 2
Service Rating	D(H) / A(Bal.)	D(A, G, H) / A(Bal.)	D

9 CONTACTS



Insert Arrangement	20 - 16	20 - 18	20 - 21	22 - 16	22 - 17
Contact Size - No. of Contacts	#16 - 7, #12 - 2	#16 - 6, #12 - 3	#16 - 8, #12 - 1	#16 - 6, #12 - 3	#16 - 8, #12 - 1
Service Rating	A	A	A	A	D(A) / A(Bal.)



Insert Arrangement	22 - 20	22 - 27	24 - 11	28 - 1	28 - 4
Contact Size - No. of Contacts	#16 - 9	#16 - 8, #8 - 1	#12 - 6, #8 - 3	#12 - 6, #8 - 3	#16 - 7, #12 - 2
Service Rating	A	D(J) / A(Bal.)	A	D(A, J, E) / A(Bal.)	E(G, P, S) / D(Bal.)

Contact Arrangements



front face of pin insert or rear face of socket insert illustrated

CONTACT LEGEND

16

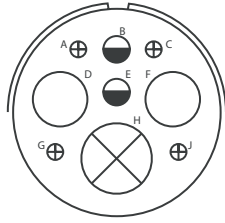
12

8

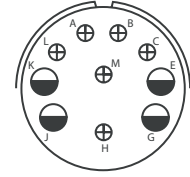
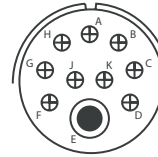
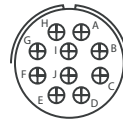
4

0

9 CONTACTS

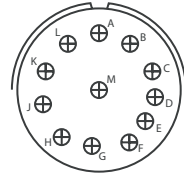
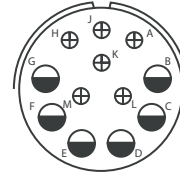
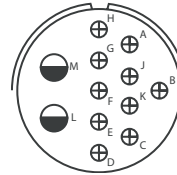
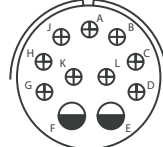
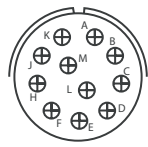


10 CONTACTS



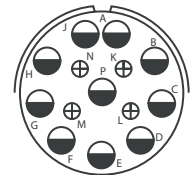
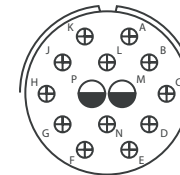
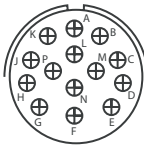
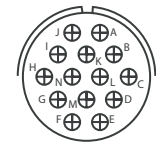
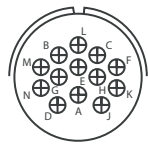
Insert Arrangement	32 - 3	18 - 1	24 - 21	28 - 19
Contact Size - No. of Contacts	#16 - 4, #12 - 2, #4 - 2, #0 - 1	#16 - 10	#16 - 9, #8 - 1	#16 - 6, #12 - 4
Service Rating	D	A(B, C, F, G) / Inst.(Bal.)	D	B(H, M) / D(A, B) / A(Bal.)

11 CONTACTS

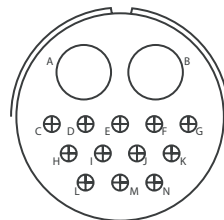
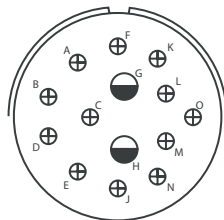


Insert Arrangement	20 - 33	24 - 20	28 - 8	28 - 9	28 - 18
Contact Size - No. of Contacts	#16 - 11	#16 - 9, #12 - 2	#16 - 10, #12 - 2	#16 - 6, #12 - 6	#16 - 12
Service Rating	A	D	E(L, M) / D(B) / A(Bal.)	D	C(M) / D(G, H, J, K, L) / A(B) / Inst.(Bal.)

13 CONTACTS



Insert Arrangement	20 - 11	20 - 27	22 - 19	28 - 2	28 - 20
Contact Size - No. of Contacts	#16 - 13	#16 - 14	#16 - 14	#16 - 12, #12 - 2	#16 - 4, #12 - 10
Service Rating	Inst.	A	A	D	A



Insert Arrangement	32 - 4	32 - 9
Contact Size - No. of Contacts	#16 - 12, #12 - 2	#16 - 12, #4 - 2
Service Rating	A(F, J, K, N) / D(Bal.)	D

MIL-C-5015 Series

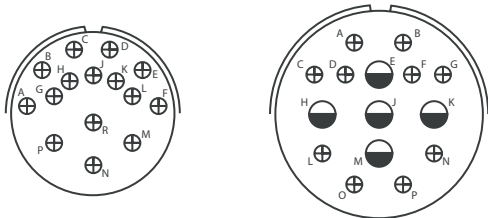
Contact Arrangement



front face of pin insert or rear face of socket insert illustrated

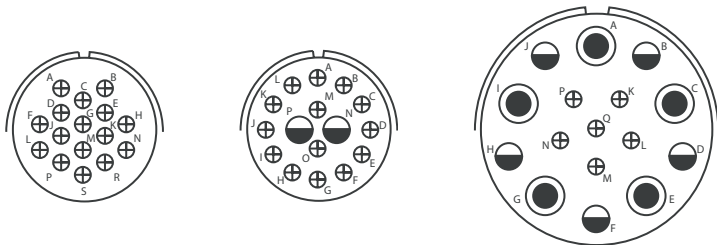
CONTACT LEGEND 16 12 8 4 0

15 CONTACTS



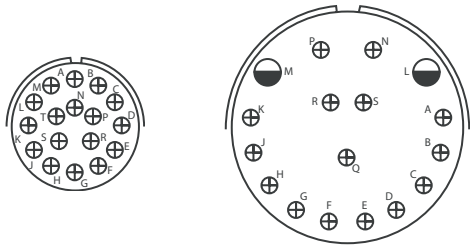
Insert Arrangement	28 - 17	32 - 12
Contact Size - No. of Contacts	#16 - 15	#16 - 10, #12 - 5
Service Rating	B(R) / D(M, N, P) / A(A to L)	A(C, D, E, F, G) / D(Bal.)

16 CONTACTS



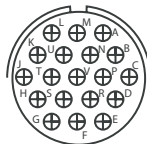
Insert Arrangement	24 - 5	24 - 7	36 - 14
Contact Size - No. of Contacts	#16 - 16	#16 - 14, #12 - 2	#16 - 6, #12 - 5, #8 - 5
Service Rating	A	A	D

17 CONTACTS



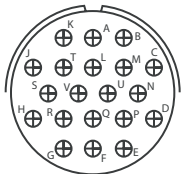
Insert Arrangement	20 - 29	36 - 13
Contact Size - No. of Contacts	#16 - 17	#16 - 15, #12 - 2
Service Rating	A	E(N, P, Q) / A(Bal.)

19 CONTACTS



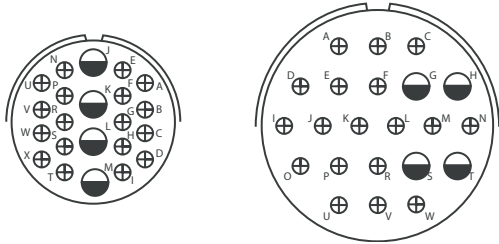
Insert Arrangement	22 - 14
Contact Size - No. of Contacts	#16 - 19
Service Rating	A

20 CONTACTS



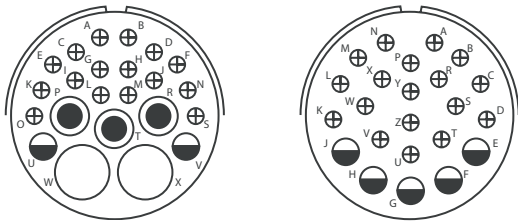
Insert Arrangement	18 - 16
Contact Size - No. of Contacts	#16 - 20
Service Rating	A

22 CONTACTS



Insert Arrangement	28 - 16	36 - 1
Contact Size - No. of Contacts	#16 - 18, #12 - 4	#16 - 18, #12 - 4
Service Rating	A	D

23 CONTACTS



Insert Arrangement	32 - 6	32 - 13
Contact Size - No. of Contacts	#16 - 16, #12 - 2, #8 - 3, #4 - 2	#16 - 18, #12 - 5
Service Rating	A	D

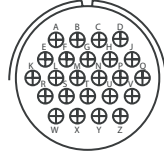
Contact Arrangements



front face of pin insert or rear face of socket insert illustrated

CONTACT LEGEND 16 12 8 4 0

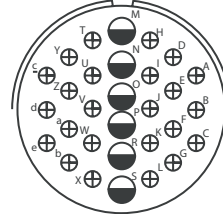
24 CONTACTS



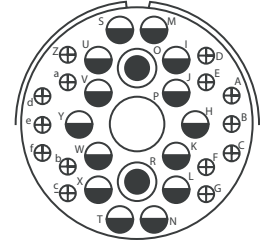
26 CONTACTS



30 CONTACTS

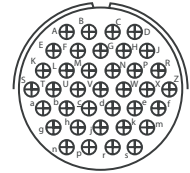
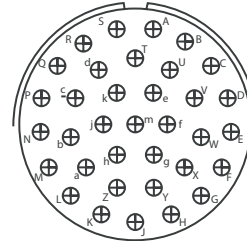
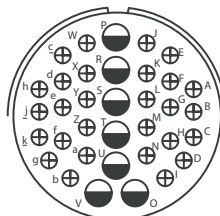
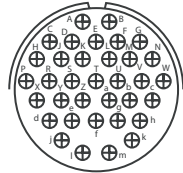


31 CONTACTS



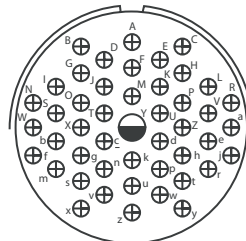
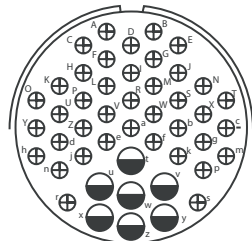
Insert Arrangement	24 - 28	28 - 12	32 - 8	36 - 9
Contact Size - No. of Contacts	#16 - 24	#16 - 26	#16 - 24, #12 - 6	#16 - 14, #12 - 14, #8 - 2, #4 - 1
Service Rating	Inst.	A	A	A

35 CONTACTS

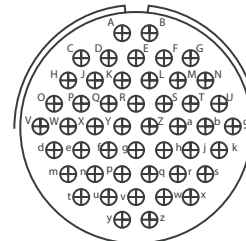


Insert Arrangement	28 - 15	32 - 7	36 - 15	28 - 21
Contact Size - No. of Contacts	#16 - 35	#16 - 28, #12 - 7	#16 - 35	#16 - 37
Service Rating	A	Inst.(A, B, h, j) / A(Bal.)	D(M) / A(Bal.)	A

47 CONTACTS

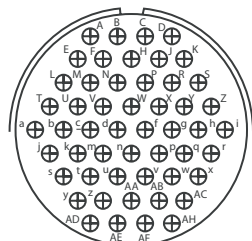


48 CONTACTS



Insert Arrangement	36 - 7	36 - 8	36 - 10
Contact Size - No. of Contacts	#16 - 40, #12 - 7	#16 - 46, #12 - 1	#16 - 48
Service Rating	A	A	A

52 CONTACTS

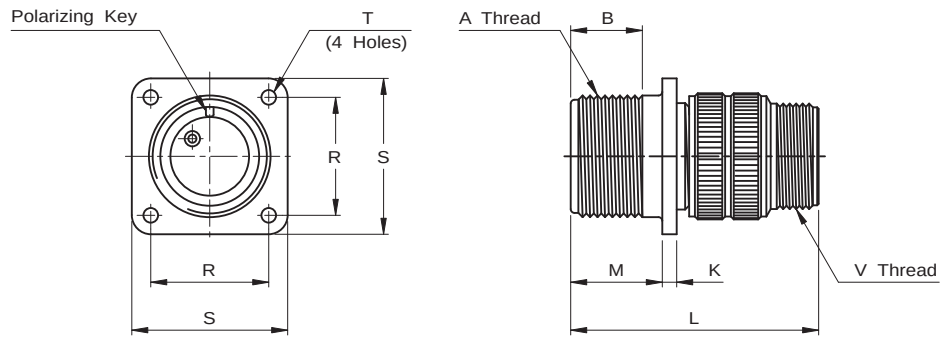


Insert Arrangement	36 - 52
Contact Size - No. of Contacts	#16 - 52
Service Rating	A

MIL-C-5015 Series

Wall Mounting Receptacle

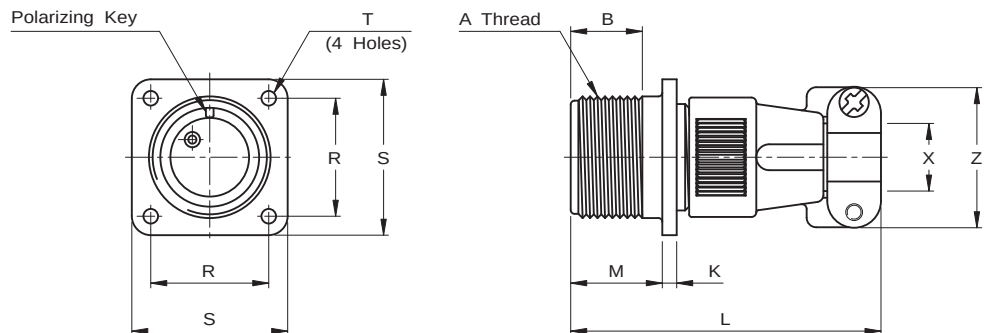
MS3100 Class "A"



MIL-C-5015 Part no.	A Thread Class 2A	B min.	K min. / max.	L max.	M +0.79 - 0.00	R ±0.12	S ±0.79	T dia. +0.25 - 0.12	V Thread Class 2A
MS3100A 10SL-*	5/8-24 UNF	9.53	1.58 / 3.96	38.88	14.28	18.26	25.40	3.05	5/8-24 NEF
MS3100A 12S-*	3/4-20 UNEF	9.53	1.58 / 3.96	42.87	14.28	20.62	27.79	3.05	5/8-24 NEF
MS3100A 12-*	3/4-20 UNEF	15.88	1.58 / 3.96	52.37	19.05	20.62	27.79	3.05	5/8-24 NEF
MS3100A 14S-*	7/8-20 UNEF	9.53	1.58 / 3.96	42.87	14.28	23.01	30.18	3.05	3/4-20 UNEF
MS3100A 14-*	7/8-20 UNEF	15.88	1.58 / 3.96	52.37	19.05	23.01	30.18	3.05	3/4-20 UNEF
MS3100A 16S-*	1-20 UNEF	9.53	1.58 / 3.96	42.87	14.28	24.61	32.54	3.05	7/8-20 UNEF
MS3100A 16-*	1-20 UNEF	15.88	1.58 / 3.96	52.37	19.05	24.61	32.54	3.05	7/8-20 UNEF
MS3100A 18-*	1 1/8-18 NEF	15.88	2.39 / 5.15	52.37	19.05	26.97	34.93	3.05	1-20 UNEF
MS3100A 20-*	1 1/4-18 NEF	15.88	2.39 / 5.15	55.57	19.05	29.36	38.10	3.05	1 3/16-18 NEF
MS3100A 22-*	1 3/8-18 NEF	15.88	2.39 / 5.15	55.57	19.05	31.75	41.28	3.05	1 3/16-18 NEF
MS3100A 24-*	1 1/2-18 NEF	15.88	2.39 / 5.15	58.72	20.63	34.93	44.45	3.73	1 7/16-18 NEF
MS3100A 28-*	1 3/4-18 NEF	15.88	2.39 / 5.15	58.72	20.63	39.67	50.80	3.73	1 7/16-18 NEF
MS3100A 32-*	2-18 UNS	15.88	3.18 / 9.11	61.92	22.23	44.45	57.15	4.39	1 3/4-18 UNS
MS3100A 36-*	2 1/4-16 UN	15.88	3.18 / 9.11	61.92	22.23	49.23	63.50	4.39	2-18 UNS

Wall Mounting Receptacle

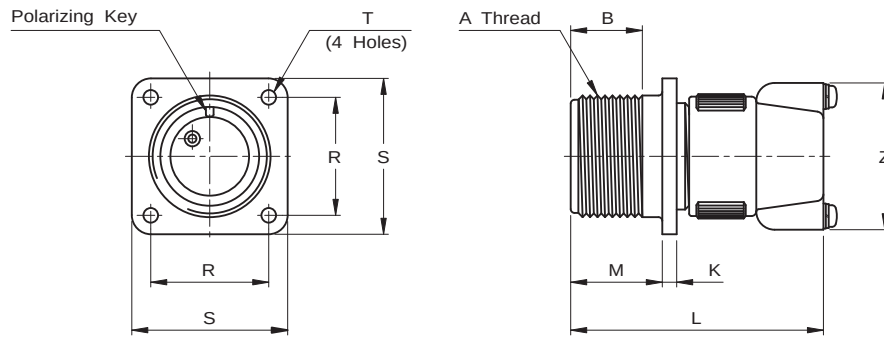
MS3100 Class "E" , "F"



MIL-C-5015 Part no.	A Thread Class 2A	B min.	K min. / max.	L max.	M +0.79 - 0.00	R ±0.12	S ±0.79	T dia. +0.25 - 0.12	X min. Cable- range	Z max.
MS3100E/F 10SL-*	5/8-24 UNF	9.53	1.98 / 3.96	57.15	14.28	18.26	25.40	3.05	7.14	28.57
MS3100E/F 12S-*	3/4-20 UNEF	9.53	1.98 / 3.96	57.15	14.28	20.62	27.79	3.05	7.14	28.57
MS3100E/F 12-*	3/4-20 UNEF	15.88	1.98 / 3.96	66.67	19.05	20.62	27.79	3.05	7.14	28.57
MS3100E/F 14S-*	7/8-20 UNEF	9.53	1.98 / 3.96	57.15	14.28	23.01	30.18	3.05	10.32	34.11
MS3100E/F 14-*	7/8-20 UNEF	15.88	1.98 / 3.96	66.67	19.05	23.01	30.18	3.05	10.32	34.11
MS3100E/F 16S-*	1-20 UNEF	9.53	1.98 / 3.96	57.15	14.28	24.61	32.54	3.05	12.70	37.69
MS3100E/F 16-*	1-20 UNEF	15.88	1.98 / 3.96	66.67	19.05	24.61	32.54	3.05	12.70	37.69
MS3100E/F 18-*	1 1/8-18 NEF	15.88	2.39 / 5.15	68.27	19.05	26.97	34.93	3.05	13.49	40.86
MS3100E/F 20-*	1 1/4-18 NEF	15.88	2.39 / 5.15	69.85	19.05	29.36	38.10	3.05	16.67	48.00
MS3100E/F 22-*	1 3/8-18 NEF	15.88	2.39 / 5.15	69.85	19.05	31.75	41.28	3.05	16.86	48.00
MS3100E/F 24-*	1 1/2-18 NEF	15.88	2.39 / 5.15	75.41	19.05	34.93	44.45	3.73	19.84	55.11
MS3100E/F 28-*	1 3/4-18 NEF	15.88	2.39 / 5.15	76.98	19.05	39.67	50.80	3.73	23.42	55.11
MS3100E/F 32-*	2-18 UNS	15.88	3.18 / 9.11	76.98	19.05	44.45	57.15	4.39	29.36	67.46
MS3100E/F 36-*	2 1/4-16 UN	15.88	3.18 / 9.11	83.33	19.05	46.68	63.50	4.39	31.75	74.21

Wall Mounting Receptacle

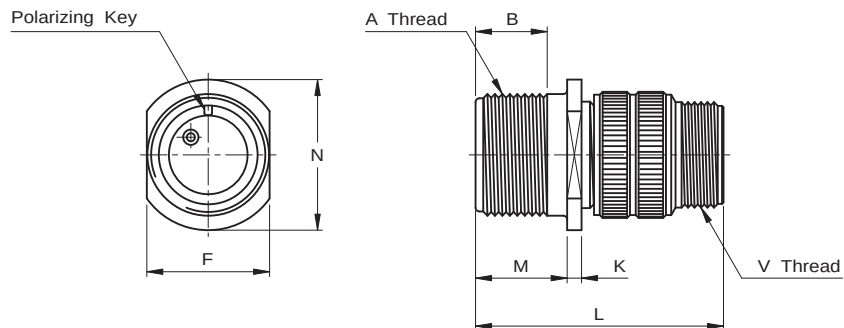
MS3100 Class "R"



MIL-C-5015 Part no.	A Thread Class 2A	B min.	K min. / max.	L max.	M +0.79 - 0.00	R ±0.12	S ±0.79	T dia. +0.25 - 0.12	Z max.
MS3100R 10SL-*	5/8-24 UNF	9.53	1.93 / 3.96	46.68	14.28	18.26	25.40	3.05	28.57
MS3100R 12S-*	3/4-20 UNEF	9.53	1.93 / 3.96	46.68	14.28	20.62	27.79	3.05	28.57
MS3100R 12-*	3/4-20 UNEF	15.88	1.93 / 3.96	55.39	19.05	20.62	27.79	3.05	28.57
MS3100R 14S-*	7/8-20 UNEF	9.53	1.93 / 3.96	46.68	14.28	23.01	30.18	3.05	34.11
MS3100R 14-*	7/8-20 UNEF	15.88	1.93 / 3.96	55.39	19.05	23.01	30.18	3.05	34.11
MS3100R 16S-*	1-20 UNEF	9.53	1.93 / 3.96	46.68	14.28	24.61	32.54	3.05	37.69
MS3100R 16-*	1-20 UNEF	15.88	1.93 / 3.96	55.39	19.05	24.61	32.54	3.05	37.69
MS3100R 18-*	1 1/8-18 NEF	15.88	2.39 / 5.15	57.93	19.05	26.97	34.93	3.05	40.86
MS3100R 20-*	1 1/4-18 NEF	15.88	2.39 / 5.15	57.93	19.05	29.36	38.10	3.05	48.00
MS3100R 22-*	1 3/8-18 NEF	15.88	2.39 / 5.15	57.93	19.05	31.75	41.28	3.05	48.00
MS3100R 24-*	1 1/2-18 NEF	15.88	2.39 / 5.15	57.93	19.05	34.93	44.45	3.73	55.11
MS3100R 28-*	1 3/4-18 NEF	15.88	2.39 / 5.15	57.93	19.05	39.67	50.80	3.73	55.11
MS3100R 32-*	2-18 UNS	15.88	3.18 / 9.11	58.97	19.05	44.45	57.15	4.39	67.46
MS3100R 36-*	2 1/4-16 UN	15.88	3.18 / 9.11	58.97	19.05	49.23	63.50	4.39	74.21

In-Line Receptacle

MS3101 Class "A"

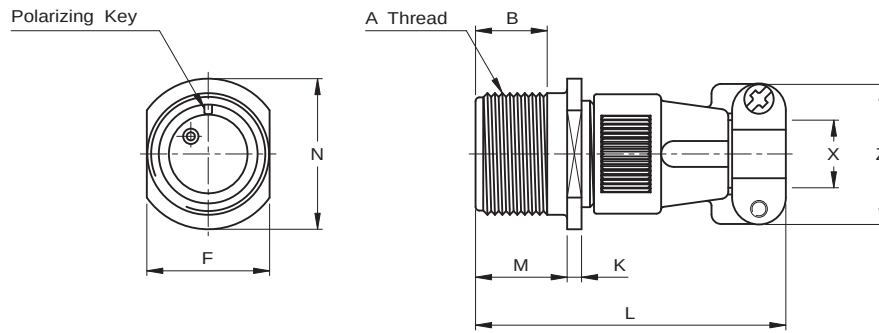


MIL-C-5015 Part no.	A Thread Class 2A	B min.	F ref.	K min. / max.	L max.	M +0.79 - 0.00	N dia. max.	V Thread Class 2A
MS3101A 10SL-*	5/8-24 UNF	9.53	16.2	1.58 / 3.96	38.88	14.28	24.61	5/8-24 NEF
MS3101A 12S-*	3/4-20 UNEF	9.53	19.9	1.58 / 3.96	42.87	14.28	26.97	5/8-24 NEF
MS3101A 12-*	3/4-20 UNEF	15.88	19.9	1.58 / 3.96	52.37	19.05	26.97	5/8-24 NEF
MS3101A 14S-*	7/8-20 UNEF	9.53	22.6	1.58 / 3.96	42.87	14.28	29.36	3/4-20 UNEF
MS3101A 14-*	7/8-20 UNEF	15.88	22.6	1.58 / 3.96	52.37	19.05	29.36	3/4-20 UNEF
MS3101A 16S-*	1-20 UNEF	9.53	25.7	1.58 / 3.96	42.87	14.28	31.75	7/8-20 UNEF
MS3101A 16-*	1-20 UNEF	15.88	25.7	1.58 / 3.96	52.37	19.05	31.75	7/8-20 UNEF
MS3101A 18-*	1 1/8-18 NEF	15.88	28.8	2.39 / 5.15	52.37	19.05	34.13	1-20 UNEF
MS3101A 20-*	1 1/4-18 NEF	15.88	32.0	2.39 / 5.15	55.57	19.05	37.31	1 3/16-18 NEF
MS3101A 22-*	1 3/8-18 NEF	15.88	35.2	2.39 / 5.15	55.57	19.05	40.48	1 3/16-18 NEF
MS3101A 24-*	1 1/2-18 NEF	15.88	38.4	2.39 / 5.15	58.72	19.05	43.66	1 7/16-18 NEF
MS3101A 28-*	1 3/4-18 NEF	15.88	44.8	2.39 / 5.15	58.72	19.05	50.01	1 7/16-18 NEF
MS3101A 32-*	2-18 UNS	15.88	51.2	3.18 / 9.11	61.92	19.05	56.36	1 3/4-18 UNS
MS3101A 36-*	2 1/4-16 UN	15.88	57.5	3.18 / 9.11	61.92	19.05	62.71	2-18 UNS

MIL-C-5015 Series

In-Line Receptacle

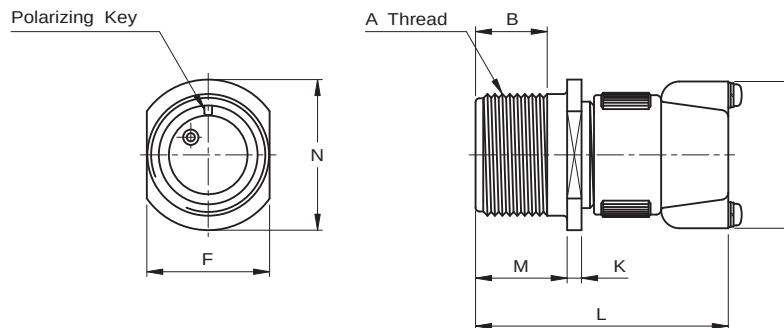
MS3101 Class "E", "F"



MIL-C-5015 Part no.	A Thread Class 2A	B min.	F ref.	K min. / max.	L max.	M +0.79 - 0.00	N dia. max.	X min. Cable- range	Z max.
MS3101E/F 10SL-*	5/8-24 UNF	9.53	16.2	1.58 / 3.96	57.15	14.28	24.61	7.14	28.57
MS3101E/F 12S-*	3/4-20 UNEF	9.53	19.9	1.58 / 3.96	57.15	14.28	26.97	7.14	28.57
MS3101E/F 12-*	3/4-20 UNEF	15.88	19.9	1.58 / 3.96	66.67	19.05	26.97	7.14	28.57
MS3101E/F 14S-*	7/8-20 UNEF	9.53	22.6	1.58 / 3.96	57.15	14.28	29.36	10.32	34.11
MS3101E/F 14-*	7/8-20 UNEF	15.88	22.6	1.58 / 3.96	66.67	19.05	29.36	10.32	34.11
MS3101E/F 16S-*	1-20 UNEF	9.53	25.7	1.58 / 3.96	57.15	14.28	31.75	12.70	37.69
MS3101E/F 16-*	1-20 UNEF	15.88	25.7	1.58 / 3.96	66.67	19.05	31.75	12.70	37.69
MS3101E/F 18-*	1 1/8-18 NEF	15.88	28.8	2.39 / 5.15	68.67	19.05	34.13	13.49	40.86
MS3101E/F 20-*	1 1/4-18 NEF	15.88	32.0	2.39 / 5.15	69.85	19.05	37.31	16.67	48.00
MS3101E/F 22-*	1 3/8-18 NEF	15.88	35.2	2.39 / 5.15	69.85	19.05	40.48	18.80	48.00
MS3101E/F 24-*	1 1/2-18 NEF	15.88	38.4	2.39 / 5.15	75.41	19.05	43.66	19.84	55.11
MS3101E/F 28-*	1 3/4-18 NEF	15.88	44.8	2.39 / 5.15	76.98	19.05	50.01	23.42	55.11
MS3101E/F 32-*	2-18 UNS	15.88	51.2	3.18 / 9.11	76.98	19.05	56.36	29.37	67.46
MS3101E/F 36-*	2 1/4-16 UN	15.88	57.5	3.18 / 9.11	83.33	19.05	62.71	31.75	74.21

In-Line Receptacle

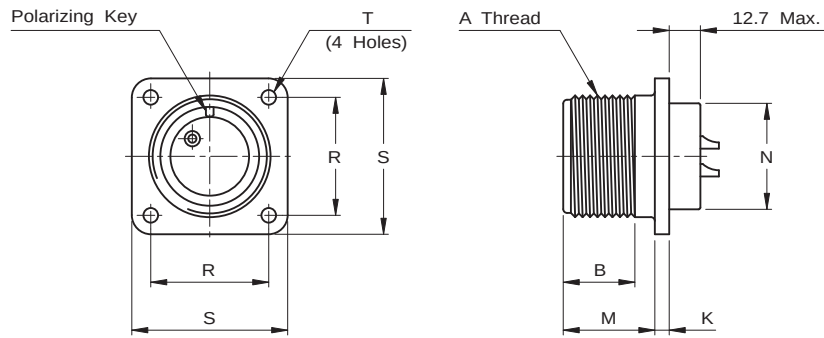
MS3101 Class "R"



MIL-C-5015 Part no.	A Thread Class 2A	B min.	F ref.	K min. / max.	L max.	M +0.79 - 0.00	N dia. max.	Z max.
MS3101R 10SL-*	5/8-24 UNF	9.53	16.2	1.58 / 3.96	46.68	14.28	24.61	28.57
MS3101R 12S-*	3/4-20 UNEF	9.53	19.9	1.58 / 3.96	46.68	14.28	26.97	28.57
MS3101R 12-*	3/4-20 UNEF	15.88	19.9	1.58 / 3.96	55.39	19.05	26.97	28.57
MS3101R 14S-*	7/8-20 UNEF	9.53	22.6	1.58 / 3.96	46.68	14.28	29.36	34.11
MS3101R 14-*	7/8-20 UNEF	15.88	22.6	1.58 / 3.96	55.39	19.05	29.36	34.11
MS3101R 16S-*	1-20 UNEF	9.53	25.7	1.58 / 3.96	46.68	14.28	31.75	37.69
MS3101R 16-*	1-20 UNEF	15.88	25.7	1.58 / 3.96	55.39	19.05	31.75	37.69
MS3101R 18-*	1 1/8-18 NEF	15.88	28.8	2.39 / 5.15	57.93	19.05	34.13	40.86
MS3101R 20-*	1 1/4-18 NEF	15.88	32.0	2.39 / 5.15	57.93	19.05	37.31	48.00
MS3101R 22-*	1 3/8-18 NEF	15.88	35.2	2.39 / 5.15	57.93	19.05	40.48	48.00
MS3101R 24-*	1 1/2-18 NEF	15.88	38.4	2.39 / 5.15	57.93	19.05	43.66	55.11
MS3101R 28-*	1 3/4-18 NEF	15.88	44.8	2.39 / 5.15	57.93	19.05	50.01	55.11
MS3101R 32-*	2-18 UNS	15.88	51.2	3.18 / 9.11	58.97	19.05	56.36	67.46
MS3101R 36-*	2 1/4-16 UN	15.88	57.5	3.18 / 9.11	58.97	19.05	62.71	74.21

Box Mounting Receptacle

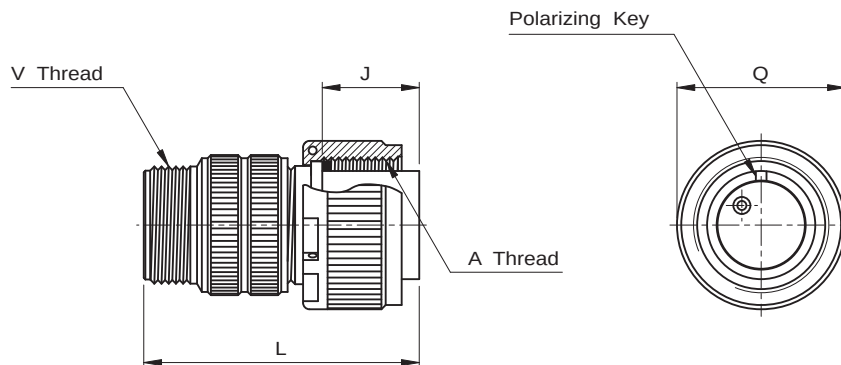
MS3102 Class "A", "E", "R"



MIL-C-5015 Part no.	A Thread Class 2A	B min.	K min. / max.	M +0.79 - 0.00	N dia. +0.00 - 4.77	R ±0.12	S ±0.79	T dia. +0.25 - 0.12
MS3102A/E/R 10SL-*	5/8-24 UNF	9.53	1.58 / 3.96	14.28	19.86	18.26	25.40	3.05
MS3102A/E/R 12S-*	3/4-20 UNEF	9.53	1.58 / 3.96	14.28	19.86	20.62	27.79	3.05
MS3102A/E/R 12-*	3/4-20 UNEF	15.88	1.58 / 3.96	19.05	19.86	20.62	27.79	3.05
MS3102A/E/R 14S-*	7/8-20 UNEF	9.53	1.58 / 3.96	14.28	23.01	23.01	30.18	3.05
MS3102A/E/R 14-*	7/8-20 UNEF	15.88	1.58 / 3.96	19.05	23.01	23.01	30.18	3.05
MS3102A/E/R 16S-*	1-20 UNEF	9.53	1.58 / 3.96	14.28	26.21	24.61	32.54	3.05
MS3102A/E/R 16-*	1-20 UNEF	15.88	1.58 / 3.96	19.05	26.21	24.61	32.54	3.05
MS3102A/E/R 18-*	1 1/8-18 NEF	15.88	2.39 / 5.15	19.05	29.36	26.97	34.93	3.05
MS3102A/E/R 20-*	1 1/4-18 NEF	15.88	2.39 / 5.15	19.05	32.56	29.36	38.10	3.05
MS3102A/E/R 22-*	1 3/8-18 NEF	15.88	2.39 / 5.15	19.05	35.71	31.75	41.28	3.05
MS3102A/E/R 24-*	1 1/2-18 NEF	15.88	2.39 / 5.15	20.63	38.91	34.93	44.45	3.73
MS3102A/E/R 28-*	1 3/4-18 NEF	15.88	2.39 / 5.15	20.63	45.26	39.67	50.80	3.73
MS3102A/E/R 32-*	2-18 UNS	15.88	3.18 / 9.11	22.23	51.61	44.45	57.15	4.39
MS3102A/E/R 36-*	2 1/4-16 UN	15.88	3.18 / 9.11	22.23	57.96	49.23	63.50	4.39

Straight Plug

MS3106 Class "A"

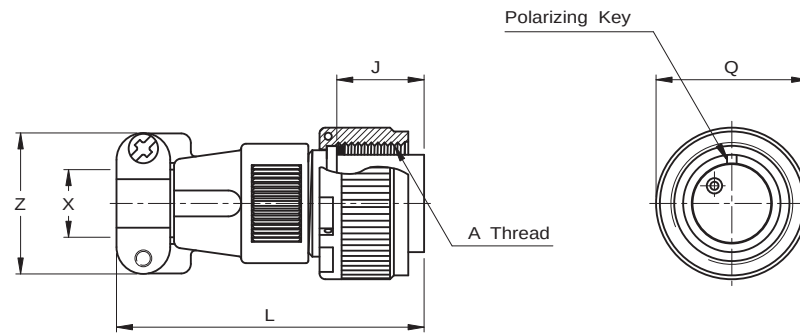


MIL-C-5015 Part no.	A Thread Class 2B	J ±0.12	L max.	Q dia. max.	V Thread Class 2A
MS3106A 10SL-*	5/8-24 UNF	13.49	38.88	24.61	5/8-24 NEF
MS3106A 12S-*	3/4-20 UNEF	13.49	42.87	26.97	5/8-24 NEF
MS3106A 12-*	3/4-20 UNEF	18.26	52.37	26.97	5/8-24 NEF
MS3106A 14S-*	7/8-20 UNEF	13.49	42.87	29.36	3/4-20 UNEF
MS3106A 14-*	7/8-20 UNEF	18.26	52.37	29.36	3/4-20 UNEF
MS3106A 16S-*	1-20 UNEF	13.49	42.87	31.75	7/8-20 UNEF
MS3106A 16-*	1-20 UNEF	18.26	52.37	31.75	7/8-20 UNEF
MS3106A 18-*	1 1/8-18 NEF	18.26	52.37	34.13	1-20 UNEF
MS3106A 20-*	1 1/4-18 NEF	18.26	55.57	37.31	1 3/16-18 NEF
MS3106A 22-*	1 3/8-18 NEF	18.26	55.57	40.48	1 3/16-18 NEF
MS3106A 24-*	1 1/2-18 NEF	18.26	58.72	43.66	1 7/16-18 NEF
MS3106A 28-*	1 3/4-18 NEF	18.26	58.72	50.01	1 7/16-18 NEF
MS3106A 32-*	2-18 UNS	18.26	61.92	56.36	1 3/4-18 UNS
MS3106A 36-*	2 1/4-16 UN	18.26	61.92	62.71	2-18 UNS

MIL-C-5015 Series

Straight Plug

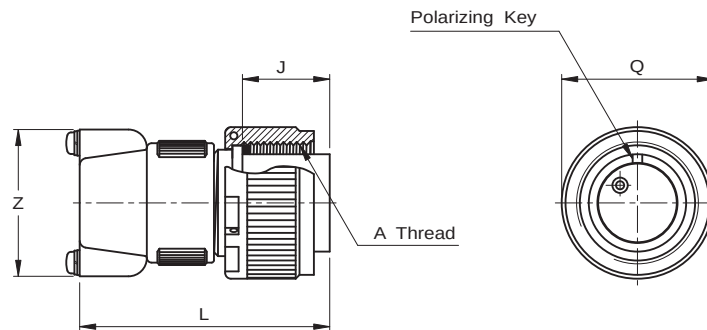
MS3106 Class "E", "F"



MIL-C-5015 Part no.	A Thread Class 2B	J ±0.12	L max.	Q dia. max.	X min. Cable range	Z max.
MS3106E/F 10SL-*	5/8-24 UNF	13.49	57.15	24.61	7.14	28.57
MS3106E/F 12S-*	3/4-20 UNEF	13.49	57.15	26.97	7.14	28.57
MS3106E/F 12-*	3/4-20 UNEF	18.26	66.67	26.97	7.14	28.57
MS3106E/F 14S-*	7/8-20 UNEF	13.49	57.15	29.36	10.32	34.11
MS3106E/F 14-*	7/8-20 UNEF	18.26	66.67	29.36	10.32	34.11
MS3106E/F 16S-*	1-20 UNEF	13.49	57.15	31.75	12.70	37.69
MS3106E/F 16-*	1-20 UNEF	18.26	66.67	31.75	12.70	37.69
MS3106E/F 18-*	1 1/8-18 NEF	18.26	68.27	34.13	13.49	40.86
MS3106E/F 20-*	1 1/4-18 NEF	18.26	69.85	37.31	16.67	48.00
MS3106E/F 22-*	1 3/8-18 NEF	18.26	69.85	40.48	18.80	48.00
MS3106E/F 24-*	1 1/2-18 NEF	18.26	75.41	43.66	19.84	55.11
MS3106E/F 28-*	1 3/4-18 NEF	18.26	76.98	50.01	23.42	55.11
MS3106E/F 32-*	2-18 UNS	18.26	76.98	56.36	29.37	67.46
MS3106E/F 36-*	2 1/4-16 UN	18.26	83.33	62.71	31.75	74.21

Straight Plug

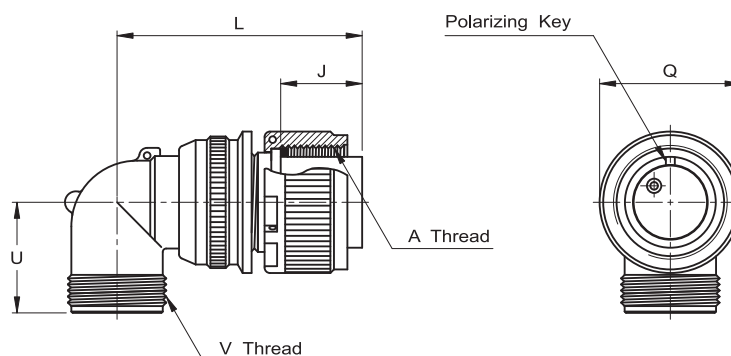
MS3106R Class "R"



MIL-C-5015 Part no.	A Thread Class 2B	J ±0.12	L max.	Q dia. max.	Z max.
MS3106R 10SL-*	5/8-24 UNF	13.49	46.68	24.61	28.57
MS3106R 12S-*	3/4-20 UNEF	13.49	46.68	26.97	28.57
MS3106R 12-*	3/4-20 UNEF	18.26	55.39	26.97	28.57
MS3106R 14S-*	7/8-20 UNEF	13.49	46.68	29.36	34.16
MS3106R 14-*	7/8-20 UNEF	18.26	55.39	29.36	34.16
MS3106R 16S-*	1-20 UNEF	13.49	46.68	31.75	37.69
MS3106R 16-*	1-20 UNEF	18.26	55.39	31.75	37.69
MS3106R 18-*	1 1/8-18 NEF	18.26	57.93	34.13	40.86
MS3106R 20-*	1 1/4-18 NEF	18.26	57.93	37.31	48.00
MS3106R 22-*	1 3/8-18 NEF	18.26	57.93	40.48	48.00
MS3106R 24-*	1 1/2-18 NEF	18.26	57.93	43.66	67.46
MS3106R 28-*	1 3/4-18 NEF	18.26	57.93	50.01	67.46
MS3106R 32-*	2-18 UNS	18.26	58.97	56.36	67.46
MS3106R 36-*	2 1/4-16 UN	18.26	58.97	62.71	74.21

Right Angle Plug

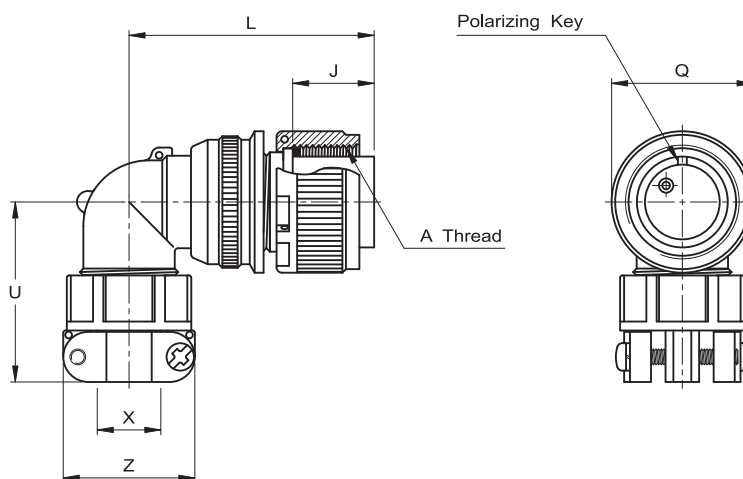
MS3108 Class "A"



MIL-C-5015 Part no.	A Thread Class 2B	J ±0.12	L max.	Q dia. max.	U max.	V Thread Class 2A
MS3108A 10SL-*	5/8-24 UNF	13.49	45.0	24.61	25.40	5/8-24 NEF
MS3108A 12S-*	3/4-20 UNEF	13.49	45.0	26.97	26.97	5/8-24 NEF
MS3108A 12-*	3/4-20 UNEF	18.26	54.0	26.97	26.97	5/8-24 NEF
MS3108A 14S-*	7/8-20 UNEF	13.49	47.0	29.36	28.57	3/4-20 UNEF
MS3108A 14-*	7/8-20 UNEF	18.26	55.0	29.36	28.57	3/4-20 UNEF
MS3108A 16S-*	1-20 UNEF	13.49	48.0	31.75	30.17	7/8-20 UNEF
MS3108A 16-*	1-20 UNEF	18.26	57.0	31.75	30.17	7/8-20 UNEF
MS3108A 18-*	1 1/8-18 NEF	18.26	58.0	34.13	33.32	1-20 UNEF
MS3108A 20-*	1 1/4-18 NEF	18.26	61.0	37.31	34.92	1 3/16-18 NEF
MS3108A 22-*	1 3/8-18 NEF	18.26	61.0	40.48	34.92	1 3/16-18 NEF
MS3108A 24-*	1 1/2-18 NEF	18.26	66.0	43.66	39.67	1 7/16-18 NEF
MS3108A 28-*	1 3/4-18 NEF	18.26	66.0	50.01	39.67	1 7/16-18 NEF
MS3108A 32-*	2-18 UNS	18.26	72.0	56.36	47.62	1 3/4-18 UNS
MS3108A 36-*	2 1/4-16 UN	18.26	77.0	62.71	52.37	2-18 UNS

Right Angle Plug

MS3108 Class "E", "R"



Note

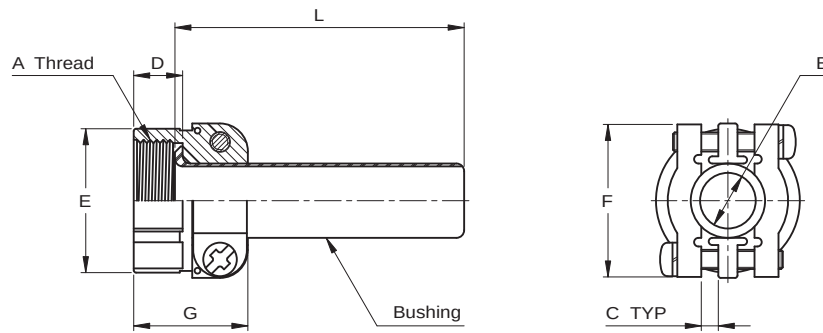
1. MS3108E/R : with wire grommet seal
2. MS3108E : without O-ring
MS3108R : with O-ring
3. MS3108R : without cable clamp

MIL-C-5015 Part no.	A Thread Class 2B	J ±0.12	L max.	Q dia. max.	U max.	X min. Cable range	Z max.
MS3108E/R 10SL-*	5/8-24 UNF	13.49	45.0	24.61	42.0	7.14	28.57
MS3108E/R 12S-*	3/4-20 UNEF	13.49	45.0	26.97	42.0	7.14	28.57
MS3108E/R 12-*	3/4-20 UNEF	18.26	54.0	26.97	42.0	7.14	28.57
MS3108E/R 14S-*	7/8-20 UNEF	13.49	47.0	29.36	42.0	10.31	34.11
MS3108E/R 14-*	7/8-20 UNEF	18.26	55.0	29.36	42.0	10.31	34.11
MS3108E/R 16S-*	1-20 UNEF	13.49	48.0	31.75	45.0	12.70	37.69
MS3108E/R 16-*	1-20 UNEF	18.26	57.0	31.75	45.0	12.70	37.69
MS3108E/R 18-*	1 1/8-18 NEF	18.26	58.0	34.13	53.0	13.49	40.86
MS3108E/R 20-*	1 1/4-18 NEF	18.26	61.0	37.31	53.0	16.67	48.00
MS3108E/R 22-*	1 3/8-18 NEF	18.26	61.0	40.48	53.0	19.05	48.00
MS3108E/R 24-*	1 1/2-18 NEF	18.26	66.0	43.66	58.0	19.84	55.11
MS3108E/R 28-*	1 3/4-18 NEF	18.26	66.0	50.01	58.0	23.42	55.11
MS3108E/R 32-*	2-18 UNS	18.26	72.0	56.36	66.0	29.36	67.31
MS3108E/R 36-*	2 1/4-16 UN	18.26	77.0	62.71	69.0	31.75	74.21

MIL-C-5015 Series

Cable Clamp

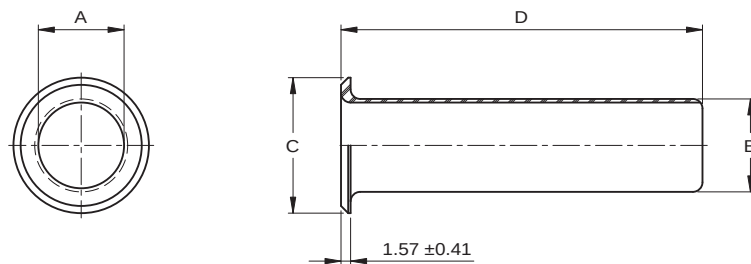
MS3057 - A Style



MIL-C-5015 Part no.	Connector Shell Size	A Thread Class 2B	B dia. ±0.41	C TYP ±0.41	D ±0.41	E dia. ±0.79	F ±0.79	G ±0.79	L ±0.8	Bushing (REF)
MS3057 - 4A	10SL, 12S & 12	5/8-24 NEF	7.92	1.57	10.31	20.62	22.23	20.62	69.8	MS3420 - 4
MS3057 - 6A	14S & 14	3/4-20 UNEF	11.10	1.98	10.31	24.61	26.97	22.22	66.7	MS3420 - 6
MS3057 - 8A	16S & 16	7/8-20 UNEF	14.27	2.77	10.31	27.79	29.36	23.82	63.5	MS3420 - 8
MS3057 - 10A	18	1-20 UNEF	15.88	3.16	10.31	30.18	31.75	23.82	60.3	MS3420 - 10
MS3057 - 12A	20, 22	1 3/16-18 NEF	19.05	3.96	10.31	34.47	37.31	23.82	57.2	MS3420 - 12
MS3057 - 16A	24, 28	1 7/16-18 NEF	23.80	4.78	10.31	42.06	42.88	26.18	54.0	MS3420 - 16
MS3057 - 20A	32	1 3/4-18 UNS	31.75	6.35	11.91	51.59	51.59	27.78	50.8	MS3420 - 20
MS3057 - 24A	36	2-18 UNS	34.92	7.54	13.49	56.36	57.94	29.36	47.6	MS3420 - 24

Telescoping Bushing

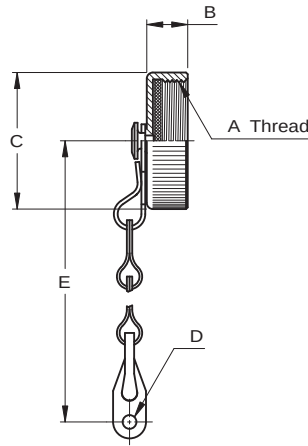
MS3420



MIL-C-5015 Part no.	Connector Shell Size	A dia. ±0.41	B dia. ±0.41	C dia. ±0.41	D ±0.41	Cable Clamp (REF)
MS3420 - 4	10SL, 12S & 12	5.59	7.67	12.83	69.85	MS3057 - 4A
MS3420 - 6	14S & 14	7.92	10.85	15.72	66.68	MS3057 - 6A
MS3420 - 8	16S & 16	11.10	14.02	18.90	63.50	MS3057 - 8A
MS3420 - 10	18	14.27	15.62	22.58	60.33	MS3057 - 10A
MS3420 - 12	20, 22	15.88	18.80	27.53	57.15	MS3057 - 12A
MS3420 - 16	24, 28	19.05	23.55	33.38	53.98	MS3057 - 16A
MS3420 - 20	32	23.80	31.50	40.59	50.80	MS3057 - 20A
MS3420 - 24	36	31.75	34.67	46.91	47.63	MS3057 - 24A

Protective Cover for Receptacle

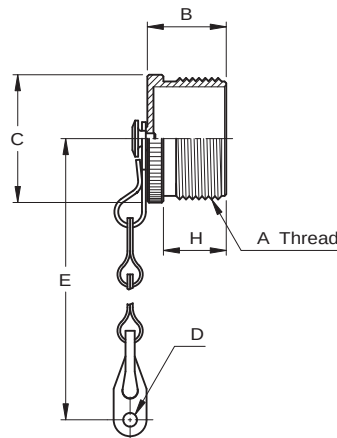
MS25043



MIL-C-5015 Part no.	Connector Shell Size	A Thread Class 2B	B max.	C dia. max.	D dia. +0.25 - 0.13	E ±21.0
MS25043 - 10D	10S, 10SL	5/8-24 UNF	11.91	20.70	3.56	101.6
MS25043 - 12D	12S, 12	3/4-20 UNEF	11.91	25.40	3.56	114.3
MS25043 - 14D	14S, 14	7/8-20 UNEF	11.91	28.58	3.56	114.3
MS25043 - 16D	16S, 16	1-20 UNEF	11.91	30.18	3.56	114.3
MS25043 - 18D	18	1 1/8-18 NEF	11.91	34.14	3.56	114.3
MS25043 - 20D	20	1 1/4-18 NEF	11.91	37.31	3.56	127.0
MS25043 - 22D	22	1 3/8-18 NEF	11.91	40.49	3.56	127.0
MS25043 - 24D	24	1 1/2-18 NEF	11.91	43.66	4.34	139.7
MS25043 - 28D	28	1 3/4-18 NEF	13.49	50.01	4.34	196.8
MS25043 - 32D	32	2-18 UNS	13.49	56.36	4.75	196.8
MS25043 - 36D	36	2 1/4-16 UN	13.49	62.71	4.75	196.8

Protective Cover for Plug

MS25042



MIL-C-5015 Part no.	Connector Shell Size	A Thread Class 2A	B max.	C dia. max.	D dia. +0.25 - 0.13	E ±21.0	H min.
MS25042 - 10D	10S, 10SL	5/8-24 UNF	16.66	17.45	3.96	101.6	9.65
MS25042 - 12D	12S, 12	3/4-20 UNEF	21.44	20.62	3.96	114.3	16.00
MS25042 - 14D	14S, 14	7/8-20 UNEF	21.44	23.80	3.96	114.3	16.00
MS25042 - 16D	16S, 16	1-20 UNEF	21.44	26.97	3.96	114.3	16.00
MS25042 - 18D	18	1 1/8-18 NEF	21.44	30.15	3.96	114.3	16.00
MS25042 - 20D	20	1 1/4-18 NEF	21.44	33.32	4.75	127.0	16.00
MS25042 - 22D	22	1 3/8-18 NEF	21.44	36.50	4.75	127.0	16.00
MS25042 - 24D	24	1 1/2-18 NEF	21.44	39.67	4.75	139.7	16.00
MS25042 - 28D	28	1 3/4-18 NEF	21.44	46.02	4.75	196.8	16.00
MS25042 - 32D	32	2-18 UNS	21.44	52.37	5.54	196.8	16.00
MS25042 - 36D	36	2 1/4-16 UN	21.44	58.72	5.54	196.8	16.00

Notes

This image shows a full page of blank graph paper. The background is a solid light blue color. Overlaid on this background is a precise grid of thin, dark gray horizontal and vertical lines. These lines intersect to form a series of small, identical squares that cover the entire area of the page, leaving no margins or other markings.