

Product Overview

[Materials & Finishers]

Shell, Endbell	Aluminum Alloy / Olive drab Chromate coating over cadmium or 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 DC V	Operating Voltage AC V r.m.s	Test Voltage AC V r.m.s	Air Spacing Nominal (In)	Creepage Nominal (In)
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 MΩ at 77°F(+25°C) per MIL-DTL-5015,3.18

[Mechanical]

Operating Temp. -67°F (-55°C) to +257°F (+125°C)
Sealing 48 Hours in 6 feet of water per MIL-DTL-5015, 4.6.19.

Wire Sealing Range

Contact Size	Insulation Outside Diameter Limit.			
	Min (Inches)	Min (mm.)	Max (Inches.)	Max. (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	0.145	10.54	0.550	13.97

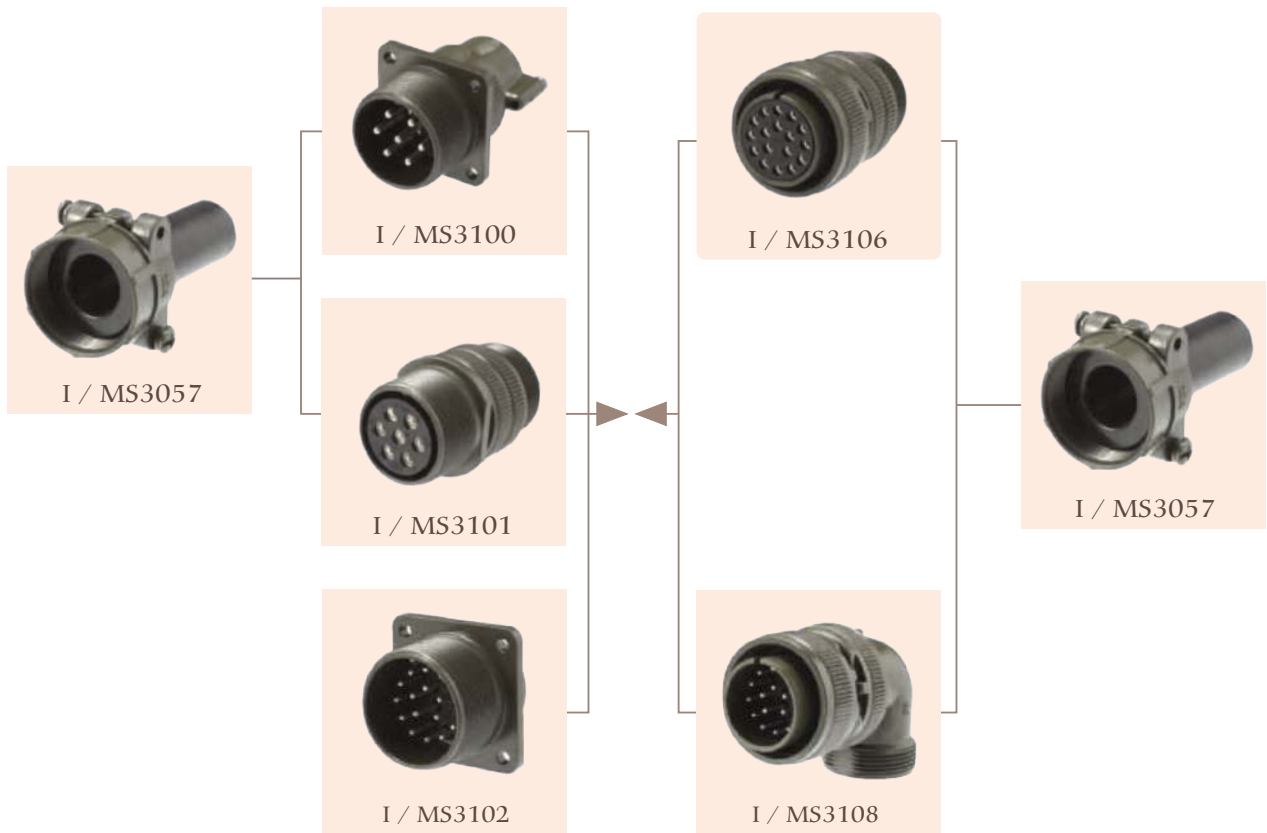
Durability 100 cycles of mating / unmating operations to MIL-DTL-5015,3.16
Salt Spray MIL-STD-1344 Method 1001 Condition B, minimum (Cadmium) 48 hours
Heat +125°C for 60 hours. +85°C for 1,000 hours per MIL-DTL-5015,4.6.14
Chemical Resistance 20 hour full immersion unmated in hydraulic fluid and lubricating oil per MIL-DTL-5015
Vibration 10 to 2000Hz (10G Units) 10 microseconds maximum discontinuity to MIL-STD-1344 Method 2005, condition II per MIL-DTL-5015
Shock 50G units 11 ms. duration, three major axes. 10 ms. maximum discontinuity to MIL-DTL-5015 per MIL-STD-1344 Method 2004, condition A

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

Typical Mating Guide

[Receptacle Connector] [Plug Connector]



Ordering Information

I / MS	3106	A	18	-	10	P	Y
INC Prefix	Shell Style	Service Class	Shell Size	Insert Arrangement See, MIL-STD-1651A	Contact Style P = Pin S = Socket	Alternate Insert Position W, X, Y, Z (Ref. : MIL-STD-1651A)	

A = Solid endbell, solder contacts and non-pressurized.
B = Spilt endbell, solder contacts and non-pressurized.
E = With resilient insulator and integral clamp for cable strain relief.
F = Same as E, however style 3106 with o-ring seal under the coupling nut.
R = Solder contacts with grommet seal and without clamp.

3100 = Wall mounting receptacle, 3101 = In-line receptacle, 3102 = Box mounting receptacle,
3106 = Straight Plug, 3108 = Right angle plug

Contact Arrangement

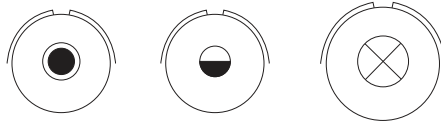
Front face of pin insert or rear face of socket insert illustrated.



1 CONTACT



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

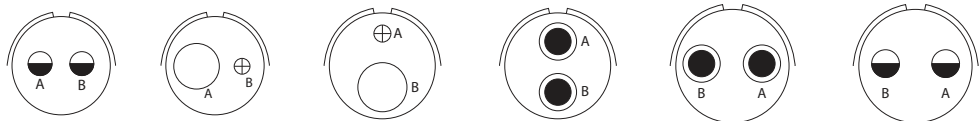


Insert Arrangement	18-7	18-16	22-7
Contact Size - No. of Contacts	#8-1	#12-1	#0-1
Service Rating	B	C	E

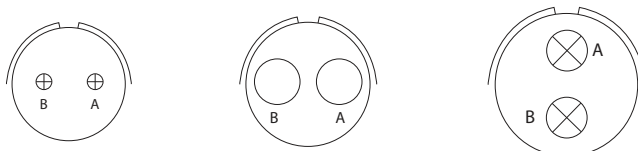
2 CONTACTS



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



Insert Arrangement	18-3	18-14	20-12	20-23	22-1	22-8
Contact Size - No. of Contacts	#12-2	#16-1, #4-1	#16-1, #4-1	#8-2	#8-2	#12-2
Service Rating	D	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 Arrangement

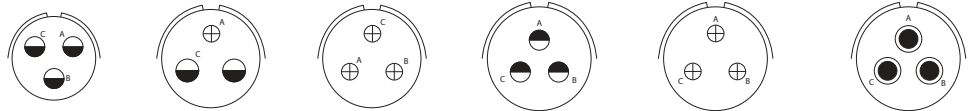
Front face of pin insert or rear face of socket insert illustrated.



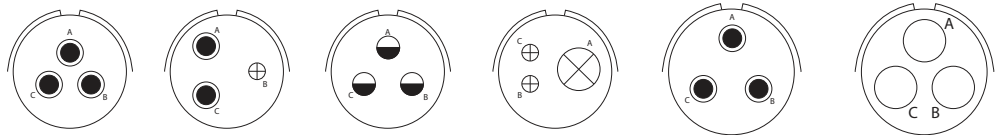
3 CONTACTS



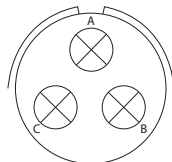
Insert Arrangement	10SL-3	14S-1	14S-7	16S-5	16S-6	16-7
Contact Size - No. of Contacts	#16-3	#16-3	#16-3	#16-3	#16-3	#16-2, #8-1
Service Rating	A	A	A	A	A	A



Insert Arrangement	16-10	18-5	18-22	20-3	20-6	20-19
Contact Size - No. of Contacts	#12-3	#16-1, #12-2	#16-3	#12-3	#16-3	#8-3
Service Rating	A	D	D	D	D	D

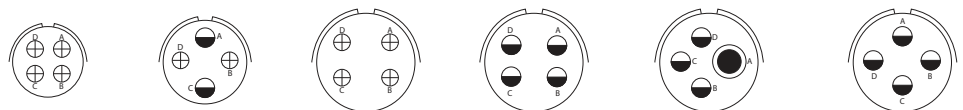


Insert Arrangement	22-2	22-6	22-9	22-21	28-3	28-6
Contact Size - No. of Contacts	#8-3	#16-1, #8-2	#12-3	#16-2, #0-1	#8-3	#4-3
Service Rating	D	D	E	A	E	D



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

4 CONTACTS



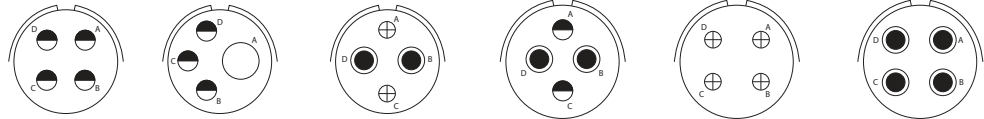
Insert Arrangement	14S-2	16-9	18-4	18-10	18-13	18-15
Contact Size - No. of Contacts	#16-4	#16-2, #12-2	#16-4	#12-4	#12-3, #8-1	#12-4
Service Rating	Inst.	A	D	A	A	A

Contact Arrangement

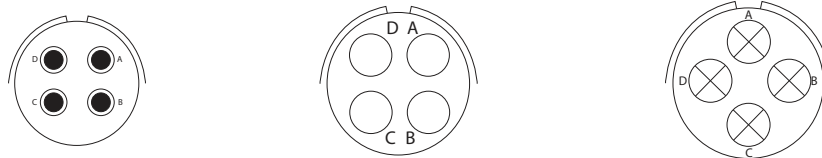
Front face of pin insert or rear face of socket insert illustrated.



4 CONTACTS

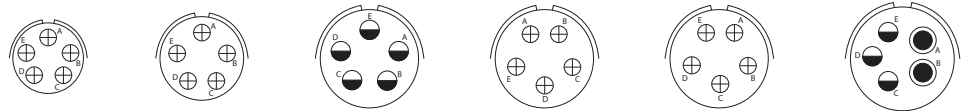


Insert Arrangement	20-4	20-20	20-24	22-4	22-10	22-2
Contact Size - No. of Contacts	#12-4	#12-3, #4-1	#16-2, #8-2	#12-2, #8-2	#16-4	#8-4
Service Rating	D	A	A	A	E	A

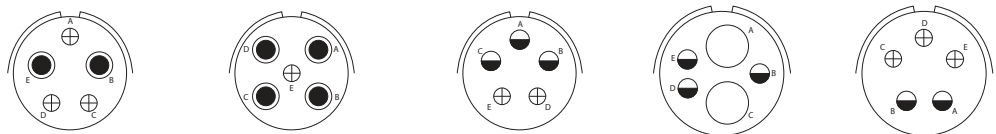


Insert Arrangement	24-22	32-17	36-5
Contact Size - No. of Contacts	#8-4	#4-4	#0-4
Service Rating	D	D	D

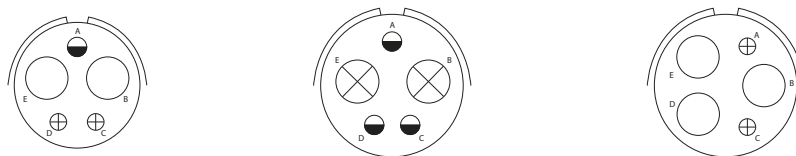
5 CONTACTS



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(All Others)	D	A	D



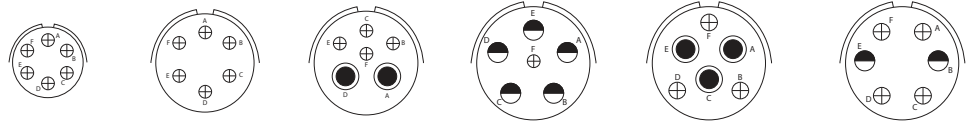
Insert Arrangement	28-5	32-1	32-2
Contact Size - No. of Contacts	#16-2, #12-1, #4-2	#12-3, #0-2	#16-2, #4-3
Service Rating	D	E(A) / D(All Others)	E

Contact Arrangement

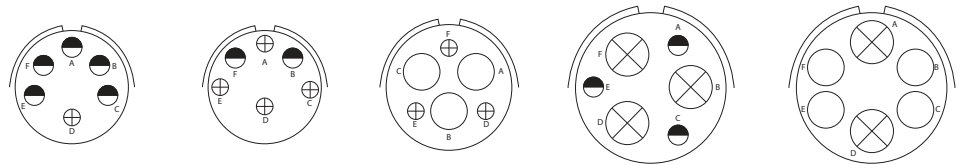
Front face of pin insert or rear face of socket insert illustrated.



6 CONTACTS

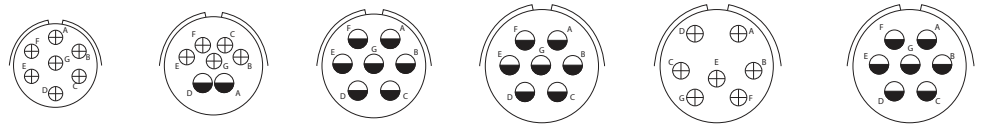


Insert Arrangement	14S-6	18-12	20-8	20-17	20-22	22-5
Contact Size - No. of Contacts	#16-6	#16-6	#16-4, #8-2	#16-1, #12-5	#16-3, #8-3	#16-4, #12-2
Service Rating	Inst.	A	Inst.	A	A	D

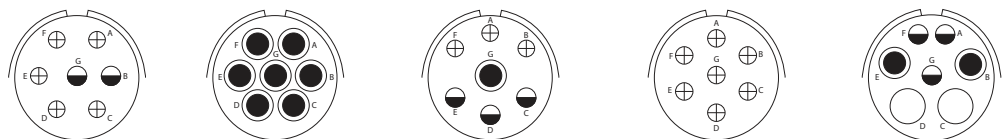


Insert Arrangement	22-15	22-24	28-22	36-3	36-6
Contact Size - No. of Contacts	#16-1, #12-5	#16-4, #12-2	#16-3, #4-3	#12-3, #0-3	#4-4, #0-2
Service Rating	E(D) / A(All Others)	D(C,D,E) / A (A All Others)	D	D	A

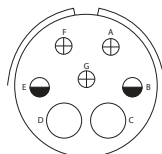
7 CONTACTS



Insert Arrangement	16S-1	18-9	20-15	22-28	22-33	24-2
Contact Size - No. of Contacts	#16-7	#16-5, #12-2	#12-7	#12-7	#16-7	#12-7
Service Rating	A	Inst.	A	A	A(E,F,G) / D(All Other)	D



Insert Arrangement	24-3	24-10	24-16	24-27	28-10
Contact Size - No. of Contacts	#16-5, #12-2	#8-7	#16-3, #12-3, #8-1	#16-7	#12-3, #8-2, #4-2
Service Rating	D	A	D(A,B,F,G) / A(All Others)	E	D(G) / A(Bal.)



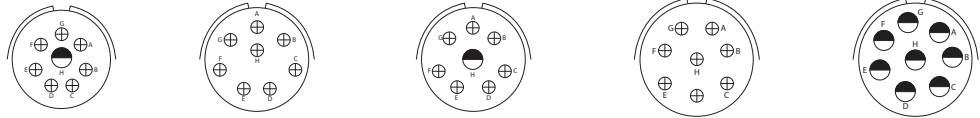
Insert Arrangement	32-10
Contact Size - No. of Contacts	#16-3, #8-2, #4-2
Service Rating	E(A,F) / B(G) / D(B,E) / A(C,D)

Contact Arrangement

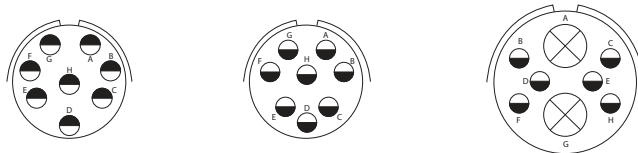
Front face of pin insert or rear face of socket insert illustrated.



8 CONTACTS

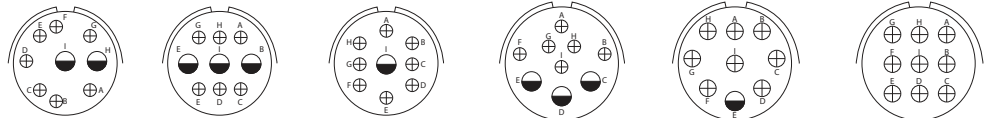


Insert Arrangement	18-8	20-7	20-9	22-18	22-23
Contact Size - No. of Contacts	#16-7, #12-1	#16-8	#16-7, #12-1	#16-8	#12-8
Service Rating	A	D(A,B,H,G) / A(All Others)	D(H) / A(All Others)	A(C,D,E) / D(All Others)	D(H) / A(All Others)

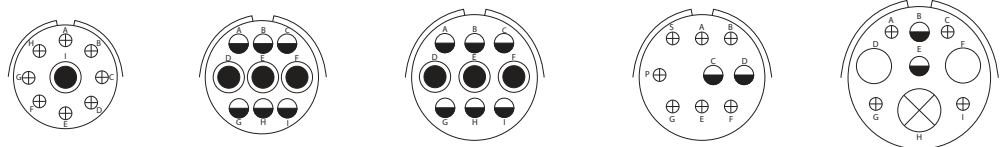


Insert Arrangement	22-36	24-6	32-15
Contact Size - No. of Contacts	#12-8	#12-8	#16-6, #0-2
Service Rating	D(H) / A(All Others)	D(A,G,H) / A(All Others)	D

9 CONTACTS

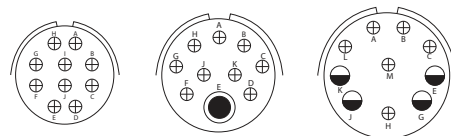


Insert Arrangement	20-16	20-18	20-21	22-16	22-17	22-20
Contact Size - No. of Contacts	#16-7, #12-2	#16-6, #12-3	#16-8, #12-1	#16-6, #12-3	#16-8, #12-1	#16-9
Service Rating	A	A	A	A	D(A) / A(All Others)	A



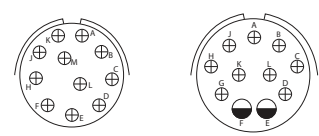
Insert Arrangement	22-27	24-11	28-1	28-4	32-3
Contact Size - No. of Contacts	#16-8, #8-1	#12-6, #8-3	#12-6, #8-3	#16-7, #12-2	#16-4, #12-2, #4-2, #0-1
Service Rating	D(J) / A(All Others)	A	D(A,I,E) / A(Bal.)	E(G,P,S) / D(Bal.)	D

10 CONTACTS



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

11 CONTACTS



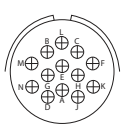
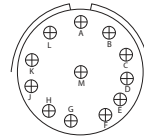
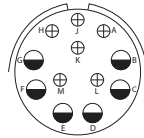
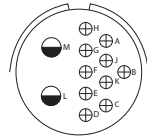
Insert Arrangement	20-33	24-20
Contact Size - No. of Contacts	#16-11	#16-9, #12-2
Service Rating	A	D

Contact Arrangement

Front face of pin insert or rear face of socket insert illustrated.

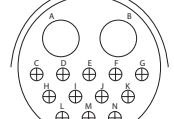
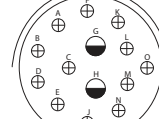
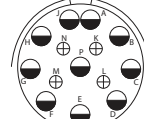
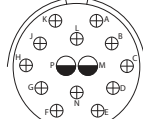
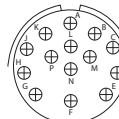
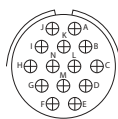


12 CONTACTS



Insert Arrangement	28-8	28-9	28-18	20-11
Contact Size - No. of Contacts	#16-10, #12-2	#16-6, #12-6	#16-12	#16-13
Service Rating	E(L,M) / D(B) / A(All Others)	D	C(M) / A(A,B) inst.(C,D,E,F) / D(All Others)	Inst.

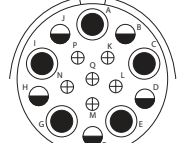
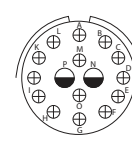
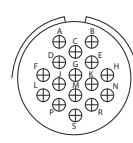
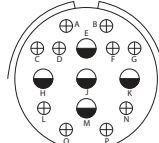
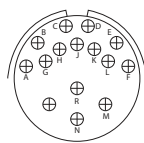
14 CONTACTS



Insert Arrangement	20-27	22-19	28-2	28-20	32-4	32-9
Contact Size - No. of Contacts	#16-14	#16-14	#16-12, #12-2	#16-4, #12-10	#16-12, #12-2	#16-12, #4-2
Service Rating	A	A	D	A	A(F,J,K,N) / D(Bal.)	D

15 CONTACTS

16 CONTACTS

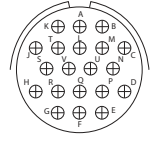
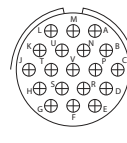
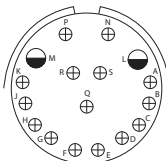
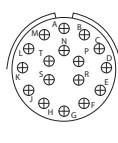


Insert Arrangement	28-17	32-12	24-5	24-7	36-14
Contact Size - No. of Contacts	#16-15	#16-10, #12-5	#16-16	#16-14, #12-2	#16-16, #12-5, #8-5
Service Rating	B(R) D(M,N,P) / A(All Others)	A(C,D,E,F,G) / D(Bal.)	A	A	D

17 CONTACTS

19 CONTACTS

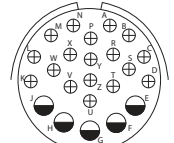
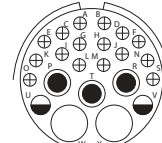
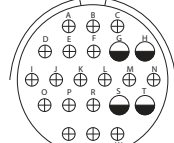
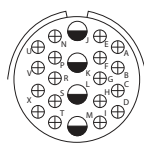
20 CONTACTS



Insert Arrangement	20-29	36-13	22-14	28-16
Contact Size - No. of Contacts	#16-17	#16-15, #12-2	#16-19	#16-20
Service Rating	A	E(N,P,Q) / A(All Others)	A	A

22 CONTACTS

23 CONTACTS



Insert Arrangement	28-11	36-1	32-6	32-13
Contact Size - No. of Contacts	#16-18, #12-4	#16-18, #12-4	#16-16, #12-2, #8-3, #4-2	#16-18, #12-5
Service Rating	A	D	A	D

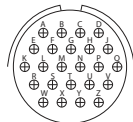
CONNECTOR MIL-DTL-5015

Contact Arrangement

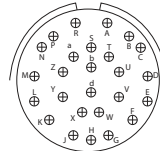
Front face of pin insert or rear face of socket insert illustrated.



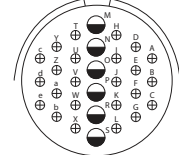
24 CONTACTS



26 CONTACTS

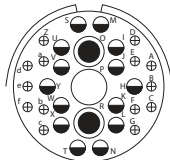


30 CONTACTS

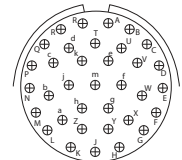
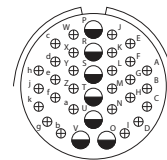
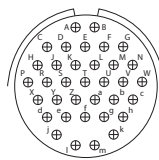


Insert Arrangement	24-28	28-12	36-9
Contact Size - No. of Contacts	#16-24	#16-26	#16-24, #12-6
Service Rating	Inst.	A	A

31 CONTACTS

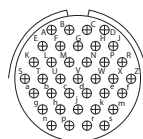


35 CONTACTS

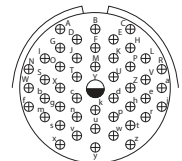
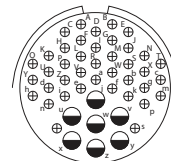


Insert Arrangement	36-9	28-15	32-7	36-15
Contact Size - No. of Contacts	#16-14, #12-14, #8-2, #4-1	#16-35	#16-28, #12-7	#16-35
Service Rating	A	A	Inst. (A,B,h,j) / A(All Others)	D(M) / A(All Others)

37 CONTACTS

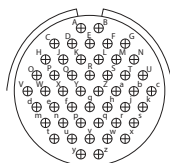


47 CONTACTS

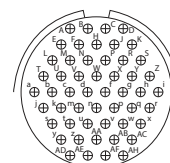


Insert Arrangement	28-21	36-7	36-8
Contact Size - No. of Contacts	#16-37	#16-40, #12-7	#16-46, #12-1
Service Rating	A	A	A

48 CONTACTS

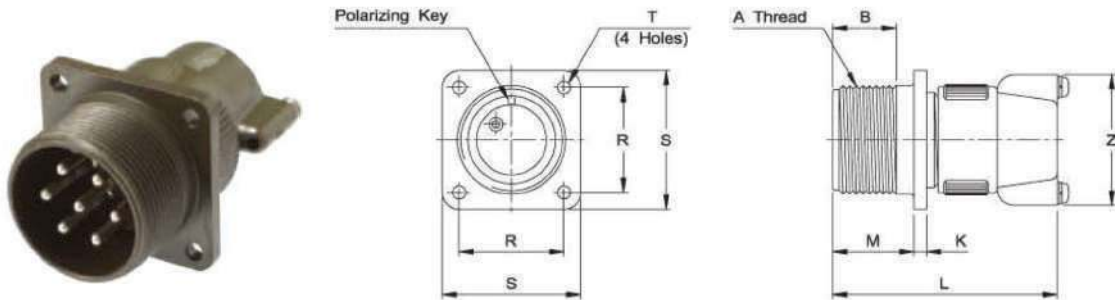


52 CONTACTS



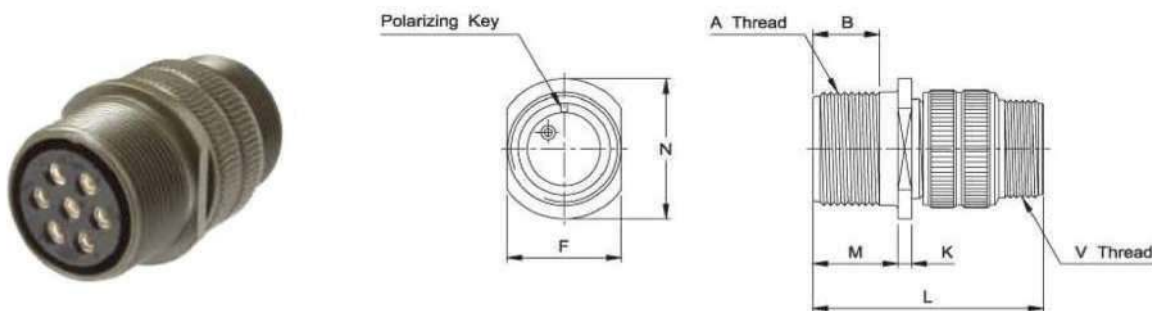
Insert Arrangement	36-10	36-52
Contact Size - No. of Contacts	#16-48	#16-52
Service Rating	A	A

I/MS3100R Wall Mounting Receptacle



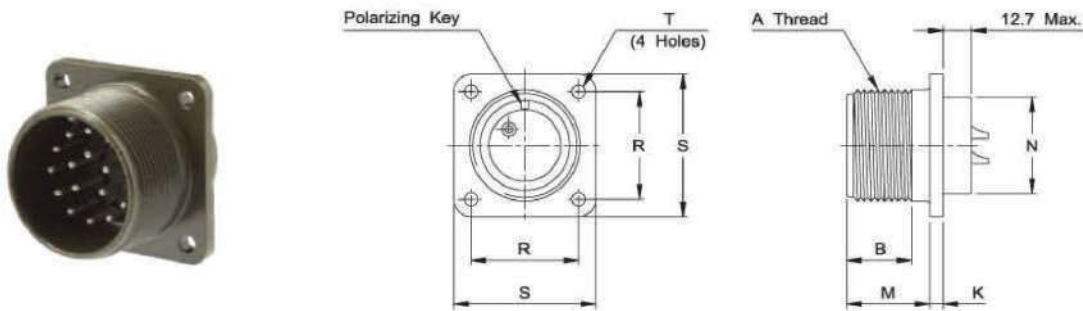
Part No.	A Thread Class 2A	B min	K min/max	L Ref.	M +0.79 -0.00	R ±0.12	S ±0.79	T dia. +0.25 -0.12	Z max.
I/MS3100R 10SL-*	5/8-24 UNEF	9.53	1.98/3.96	46.68	14.28	18.26	25.40	3.05	28.57
I/MS3100R 12S-*	3/4-20 UNEF	9.53	1.98/3.96	46.68	14.28	20.62	27.79	3.05	28.57
I/MS3100R 14S-*	7/8-20 UNEF	9.53	1.98/3.96	46.68	14.28	23.01	30.18	3.05	34.11
I/MS3100R 16S-*	1-20 UNEF	9.53	1.98/3.96	46.68	14.28	24.61	32.54	3.05	37.69
I/MS3100R 16-*	1-20 UNEF	15.88	1.98/3.96	55.39	19.05	24.61	32.54	3.05	37.69
I/MS3100R 18-*	1 1/8-18 UNEF	15.88	2.39/5.15	57.93	19.05	26.97	34.93	3.05	40.86
I/MS3100R 20-*	1 1/4-18 UNEF	15.88	2.39/5.15	57.93	19.05	29.36	38.10	3.05	48.00
I/MS3100R 22-*	1 3/8-18 UNEF	15.88	2.39/5.15	57.93	19.05	31.75	41.28	3.05	48.00
I/MS3100R 24-*	1 1/2-18 UNEF	15.88	2.39/5.15	57.93	20.63	34.93	44.45	3.73	55.11
I/MS3100R 28-*	1 3/4-18 UNS	15.88	2.39/5.15	57.93	20.63	39.67	50.80	3.73	55.11
I/MS3100R 32-*	2-18 UNS	15.88	3.18/9.11	58.97	22.23	44.45	57.15	4.39	67.46
I/MS3100R 36-*	2 1/4-16 UN	15.88	3.18/9.11	58.97	22.23	49.23	63.50	4.39	74.21

I/MS3101A In-Line Receptacle



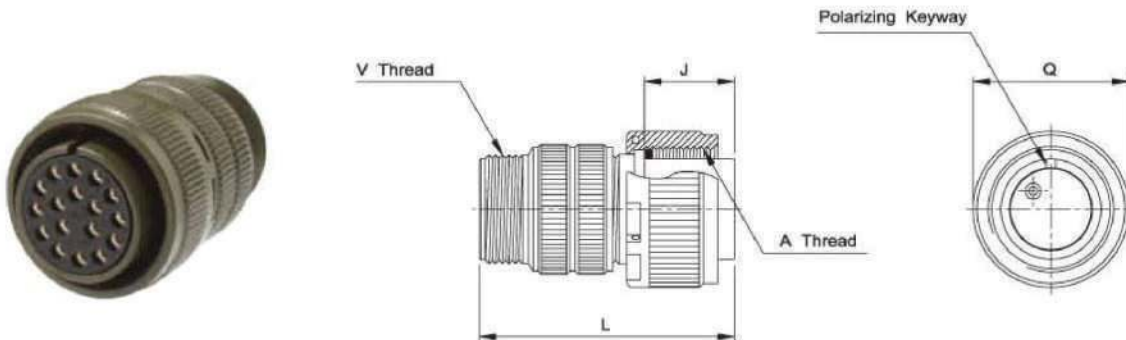
Part No.	A Thread Class 2A	B min	F Ref.	K min/max	L Ref.	M +0.79 -0.00	N dia. max	V Thread Class 2A
I/MS3101A 10SL-*	5/8-24 UNEF	9.53	16.66	1.58/3.96	38.88	14.28	24.61	5/8-24 UNEF
I/MS3101A 12S-*	3/4-20 UNEF	9.53	19.43	1.58/3.96	42.87	14.28	26.97	5/8-24 UNEF
I/MS3101A 14S-*	7/8-20 UNEF	9.53	22.61	1.58/3.96	42.87	14.28	29.36	3/4-20 UNEF
I/MS3101A 16S-*	1-20 UNEF	9.53	25.78	1.58/3.96	42.87	14.28	31.75	7/8-20 UNEF
I/MS3101A 16-*	1-20 UNEF	15.88	25.78	1.58/3.96	52.37	19.05	31.75	7/8-20 UNEF
I/MS3101A 18-*	1 1/8-18 UNEF	15.88	28.96	2.39/5.15	52.37	19.05	34.13	1-20 UNEF
I/MS3101A 20-*	1 1/4-18 UNEF	15.88	32.13	2.39/5.15	55.57	19.05	37.31	1 3/16-18 UNEF
I/MS3101A 22-*	1 3/8-18 UNEF	15.88	35.31	2.39/5.15	55.57	19.05	40.48	1 3/16-18 UNEF
I/MS3101A 24-*	1 1/2-18 UNEF	15.88	38.48	2.39/5.15	58.72	20.63	43.66	1 7/16-18 UNEF
I/MS3101A 28-*	1 3/4-18 UNS	15.88	44.83	2.39/5.15	58.72	20.63	50.01	1 7/16-18 UNEF
I/MS3101A 32-*	2-18 UNS	15.88	51.18	3.18/9.11	61.92	22.23	56.36	1 3/4-18 UNS
I/MS3101A 36-*	2 1/4-16 UN	15.88	57.66	3.18/9.11	61.92	22.23	62.71	2-18 UNS

I/MS3102A or E Box Mounting Receptacle



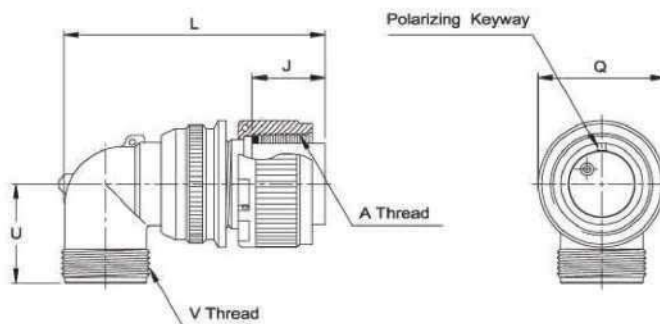
Part No.	A Thread Class 2A	B min	K min/max	M +0.79 -0.00	N dia +0.00 -4.78	R ±0.12	S ±0.79	T dia +0.25 -0.12
I/MS3102A/E 10SL-*	5/8-24 UNEF	9.53	1.58/3.96	14.28	19.86	18.26	25.40	3.05
I/MS3102A/E 12S-*	3/4-20 UNEF	9.53	1.58/3.96	14.28	19.86	20.62	27.79	3.05
I/MS3102A/E 14S-*	7/8-20 UNEF	9.53	1.58/3.96	14.28	23.01	23.01	30.18	3.05
I/MS3102A/E 16S-*	1-20 UNEF	9.53	1.58/3.96	14.28	26.21	24.61	32.54	3.05
I/MS3102A/E 16-*	1-20 UNEF	15.88	1.58/3.96	19.05	26.21	24.61	32.54	3.05
I/MS3102A/E 18-*	1 1/8-18 UNEF	15.88	2.39/5.15	19.05	29.36	26.97	34.93	3.05
I/MS3102A/E 20-*	1 1/4-18 UNEF	15.88	2.39/5.15	19.05	32.56	29.36	38.10	3.05
I/MS3102A/E 22-*	1 3/8-18 UNEF	15.88	2.39/5.15	19.05	35.71	31.75	41.28	3.05
I/MS3102A/E 24-*	1 1/2-18 UNEF	15.88	2.39/5.15	20.63	38.91	34.93	44.45	3.73
I/MS3102A/E 28-*	1 3/4-18 UNS	15.88	2.39/5.15	20.63	45.26	39.67	50.80	3.73
I/MS3102A/E 32-*	2-18 UNS	15.88	3.18/9.11	22.23	51.61	44.45	57.15	4.39
I/MS3102A/E 36-*	2 1/4-16 UN	15.88	3.18/9.11	22.23	57.96	49.23	63.50	4.39

I/MS3106A Straight Plug



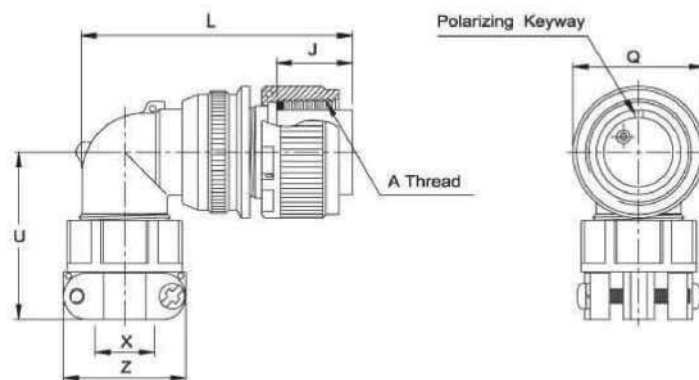
Part No.	A Thread Class 2B	J ±0.12	L Ref.	Q dia. Ref.	V Thread Class 2A
I/MS3106A 10SL-*	5/8-24 UNEF	13.49	38.88	24.61	5/8-24 UNEF
I/MS3106A 12S-*	3/4-20 UNEF	13.49	42.87	26.97	5/8-24 UNEF
I/MS3106A 14S-*	7/8-20 UNEF	13.49	42.87	29.36	3/4-20 UNEF
I/MS3106A 16S-*	1-20 UNEF	13.49	42.87	31.75	7/8-20 UNEF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

I/MS3108A or Right Angle Plug



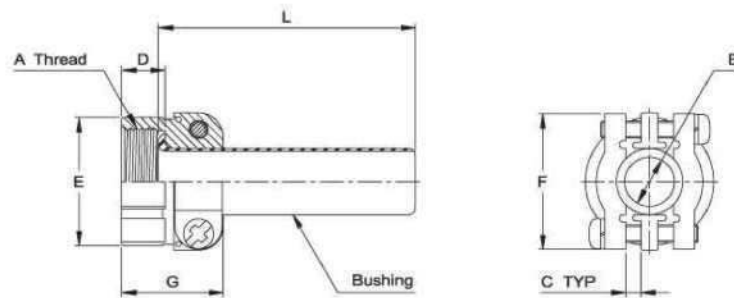
Part No.	A Thread Class 2B	J ±0.12	L max.	Q dia. Ref.	U max.	V Thread Class 2A
I/MS3108A 10SL-*	5/8-24 UNEF	13.49	46.02	24.61	25.40	5/8-24 UNEF
I/MS3108A 12S-*	3/4-20 UNEF	13.49	50.80	26.97	26.97	5/8-24 UNEF
I/MS3108A 14S-*	7/8-20 UNEF	13.49	53.97	29.36	28.57	3/4-20 UNEF
I/MS3108A 16S-*	1-20 UNEF	13.49	60.32	31.75	30.17	7/8-20 UNEF
I/MS3108A 16-*	1-20 UNEF	18.26	65.07	31.75	30.17	7/8-20 UNEF
I/MS3108A 18-*	1 1/8-18 UNEF	18.26	68.27	34.13	33.32	1-20 UNEF
I/MS3108A 20-*	1 1/4-18 UNEF	18.26	76.98	37.31	34.92	1 3/16-18 UNEF
I/MS3108A 22-*	1 3/8-18 UNEF	18.26	76.98	40.48	34.92	1 3/16-18 UNEF
I/MS3108A 24-*	1 1/2-18 UNEF	18.26	86.51	43.66	39.67	1 7/16-18 UNEF
I/MS3108A 28-*	1 3/4-18 UNS	18.26	86.51	50.01	39.67	1 7/16-18 UNEF
I/MS3108A 32-*	2-18 UNS	18.26	95.25	56.36	47.62	1 3/4-18 UNS
I/MS3108A 36-*	2 1/4-16 UN	18.26	100.02	62.71	52.37	2-18 UNS

I/MS3108E or F Right Angle Plug



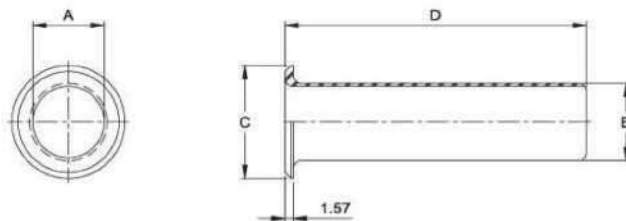
Part No.	A Thread Class 2B	J ±0.12	L max	Q dia. Ref.	U max.	X dia (Free) max.	Z ±0.78
I/MS3108E/R 10SL-*	5/8-24 UNEF	13.49	46.02	24.61	38.30	7.92	22.23
I/MS3108E/R 12S-*	3/4-20 UNEF	13.49	50.80	26.97	38.30	7.92	22.23
I/MS3108E/R 14S-*	7/8-20 UNEF	13.49	53.97	29.36	44.45	11.13	26.97
I/MS3108E/R 16S-*	1-20 UNEF	13.49	60.32	31.75	41.48	14.27	29.36
I/MS3108E/R 16-*	1-20 UNEF	18.26	65.07	31.75	41.48	14.27	29.69
I/MS3108E/R 18-*	1 1/8-18 UNEF	18.26	68.27	34.13	44.68	15.88	31.75
I/MS3108E/R 20-*	1 1/4-18 UNEF	18.26	76.98	37.31	49.05	19.05	37.31
I/MS3108E/R 22-*	1 3/8-18 UNEF	18.26	76.98	40.48	50.62	19.05	37.31
I/MS3108E/R 24-*	1 1/2-18 UNEF	18.26	86.51	43.66	53.82	23.83	42.88
I/MS3108E/R 28-*	1 3/4-18 UNS	18.26	86.51	50.01	55.40	23.83	42.88
I/MS3108E/R 32-*	2-18 UNS	18.26	95.25	56.36	65.28	31.75	51.59
I/MS3108E/R 36-*	2 1/4-16 UN	18.26	100.02	62.71	68.45	34.93	57.94

I/MS3057 - A Cable Clamp



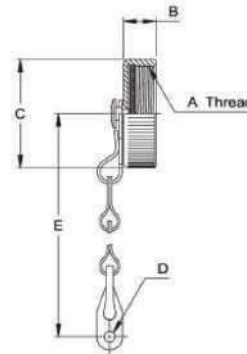
Part No.	Connector Shell Size	A Thread Class 2B	B dia ± 0.41	C TYP	D	E dia ± 0.79	F ± 0.79	G ± 0.79	L Ref.	Bushing Ref.
I/MS3057 - 4A	10SL, 12S & 12	5/8-24 UNEF	5.59	1.57	10.31	20.62	22.23	20.62	69.9	MS3420 - 4
I/MS3057 - 6A	14S & 14	3/4-20 UNEF	7.92	1.98	10.31	24.61	26.97	22.22	66.7	MS3420 - 6
I/MS3057 - 8A	16S & 16	7/8-20 UNEF	11.10	2.27	10.31	27.79	29.36	23.82	63.5	MS3420 - 8
I/MS3057 - 10A	18	1-20 UNEF	14.27	3.18	10.31	30.18	31.75	23.82	60.3	MS3420 - 10
I/MS3057 - 12A	20, 22	1 3/16-18 UNEF	15.88	3.96	10.31	34.93	37.31	23.82	57.2	MS3420 - 12
I/MS3057 - 16A	24, 28	1 7/16-18 UNEF	19.05	4.78	10.31	42.06	42.88	26.18	54.0	MS3420 - 16
I/MS3057 - 20A	32	1 3/4-18 UNS	23.80	6.35	11.91	51.59	51.59	27.78	50.8	MS3420 - 20
I/MS3057 - 24A	36	2-18 UNS	31.75	7.54	13.49	56.36	57.94	29.36	47.6	MS3420 - 24

I/MS3420 Telescoping Bushing



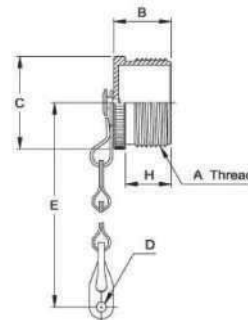
Part No.	Connector Shell Size	A dia. ± 0.41	B dia. ± 0.41	C dia. ± 0.41	D ± 0.41	Cable Clamp Ref.
I/MS3420 - 4	10SL, 12S & 12	5.59	7.67	12.83	69.85	MS3057 - 4A
I/MS3420 - 6	14S & 14	7.92	10.85	15.72	66.68	MS3057 - 6A
I/MS3420 - 8	16S & 16	11.10	14.02	18.90	63.50	MS3057 - 8A
I/MS3420 - 10	18	14.27	15.62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

I/MS25043 Protective Cover for Receptacle



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

I/MS25042 Protective Cover for Plug



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.
I/MS25042 - 10D	10SL, 10SL	5/8-24 UNEF	16.66	17.45	3.96	101.6	9.65
I/MS25042 - 12D	12S & 12	3/4-20 UNEF	21.44	20.62	3.96	114.3	16.00
I/MS25042 - 14D	14S & 14	7/8-20 UNEF	21.44	23.80	3.96	114.3	16.00
I/MS25042 - 16D	16S & 16	1-20 UNEF	21.44	26.97	3.96	114.3	16.00
I/MS25042 - 18D	18	1 1/8-18 UNEF	21.44	30.15	3.96	114.3	16.00
I/MS25042 - 20D	20	1 1/4-18 UNEF	21.44	33.32	4.75	127.0	16.00
I/MS25042 - 22D	22	1 3/8-18 UNEF	21.44	36.50	4.75	127.0	16.00
I/MS25042 - 24D	24	1 1/2-18 UNEF	21.44	39.67	4.75	139.7	16.00
I/MS25042 - 28D	26	1 3/4-18 UNS	21.44	46.02	4.75	196.8	16.00
I/MS25042 - 32D	32	2-18 UNS	21.44	52.37	5.54	196.8	16.00
I/MS25042 - 36D	36	2 1/4-16 UN	21.44	58.72	5.54	196.8	16.00