



MC Connector

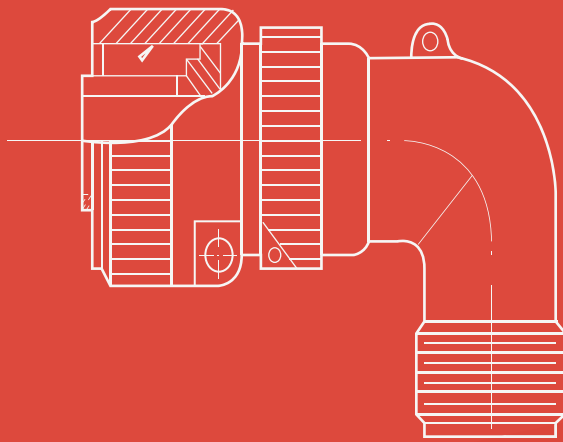
MCVG

MCB Series

VG95234 Styled MC5015 Type

Bayonet Coupling
CONNECTOR

**MS
CONNECTOR**



Summary

The MCB circular Bayonet coupling connector series was designed in accordance with VG95234 specification. This highly reliable connector series is an improvement on the well established MIL-DTL-5015 type. The MCB series has a proven bayonet coupling design that offers exceptional vibration protected sealing against fluid, and easy connection/disconnection.

Connectors in accordance with VG 95234 are interchangeable with the corresponding MIL-DTL-5015 connectors. Both connector lines feature the same shell dimensions and contacts layouts. However, due to the different coupling systems(MIL-DTL-5015 threaded coupling, VG 95234 bayonet coupling) they are not intermateable.

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Ordering information

How To Order

MCB 3100 E 28 - 21 P W ** () - FM

Receptacle Body Style

Omit for standard style
 FM - fully made by machining
 (only for 3100/3101/3102 type)

Contact Style

Omit for soldering contacts
 F80 - Crimp contacts

Finishes

A - Black Anodized
 R - RoHs Compliance
 N - Electroless Nickel
 Z - Olive drab chromate over zinc plate
 Omit for standard finish (See page 3)

Alternate Insert Position

W, X, Y, Z Omit for normal

Contact Style

P - Pin contact
 S - Socket contact

Contact Arrangement

See page 9

Shell Size

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

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 style 3106 and 3108
 ing individual wires ; provides added wire bundle

Shell Style

3100 - Wall mounting receptacle
 3101 - Cable connecting plug
 3102 - Box mounting receptacle
 3106 - Straight plug
 3108 - 90° Angle Plug
 3109 - Thru-Bulkhead receptacle

Prefix

Bayonet Coupling Connector MCB Series

Technical Data

Standard Materials & Finishes

Shell	Aluminum alloy, olive drab chromate coating over zinc plate
Insulator	Polychloroprene rubber
Grommet & Seal	Polychloroprene rubber
Contacts	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

Electrical Data

Contact Size	Pin Contact Dia. (mm)	Solder Pot Dia. (mm)	Current (A) Rating	Contact Resistance		Wire Range Accommodations		
				Test Current (A)	Potential Milivolt Drop (Max.)	Wire Size (A.W.G)	Wire Nomal Square (mm ²)	Dielectric Material O.D
16	1.6	2.0	13	20	21	20, 18, 16	1.3	1.7 ~ 3.3
12	2.4	3.0	23	35	20	14, 12	3.5	2.9 ~ 4.3
8	3.6	5.2	46	60	12	10, 8	8.0	4.2 ~ 6.4
4	5.7	8.5	80	110	10	6, 4	22.0	7.0 ~ 9.4
0	9.1	12.0	150	200	10	2, 0	50.0	10.6 ~ 14.0

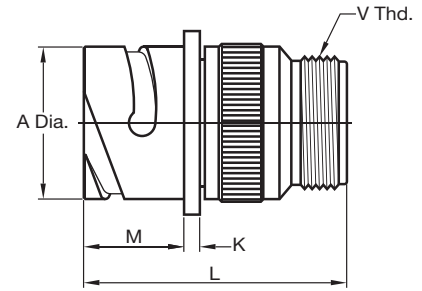
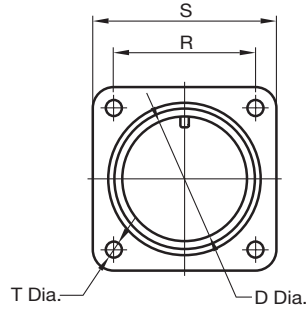
Service Rating	Dielectric Withstanding Voltage			
	Operating Voltage		Test Voltage AC(rms)	
	AC	DC	Sea Level	70,000(ft)
INST	200	250	1,000	260
A	500	700	2,000	360
D	900	1,250	2,800	400
E	1,250	1,750	3,500	440
B	1,750	2,450	4,500	480
C	3,000	4,200	7,000	560

Contact Mating End Size	Contact Engaging & Separating Forces		
	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

Bayonet Coupling Connector MCB Series

Wall Mounting Receptacle

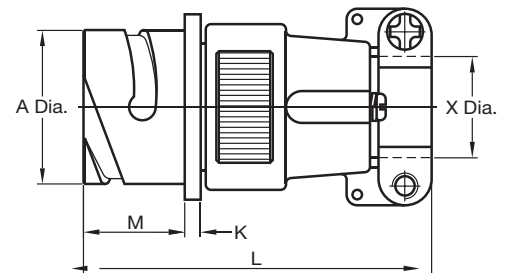
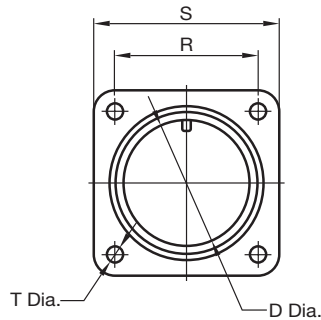
MCB3100 Class A



Units : mm

Shell Size	A Dia. +0.00 -0.15	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	R ±0.12	S ±0.78	T Dia. +0.25 -0.12	V Thread Class 2A
10SL	18.20	11.40	2.80	38.88	14.20	18.26	25.40	3.05	5/8-24UNEF
14S	24.60	17.30	3.20	42.87	14.20	23.01	30.18	3.05	3/4-20UNEF
16S	27.40	20.60	3.20	42.87	14.20	23.01	32.54	3.05	7/8-20UNEF
16	27.40	20.60	3.20	52.37	19.00	24.61	32.54	3.05	7/8-20UNEF
18	30.80	23.80	4.00	52.37	19.00	26.97	34.93	3.05	1-20UNEF
20	34.20	26.90	4.00	55.57	19.00	29.36	38.10	3.05	1 3/16-18UNEF
22	37.40	30.00	4.00	55.57	19.00	31.75	41.28	3.05	1 3/16-18UNEF
24	40.90	33.20	4.00	58.72	20.60	34.93	44.45	3.73	1 7/16-18UNEF
28	46.70	38.80	4.00	58.72	20.60	39.67	50.80	3.73	1 7/16-18UNEF
32	53.40	45.20	4.00	61.92	22.20	44.45	57.15	4.39	1 3/4-18UNS
36	59.60	50.60	4.00	61.92	22.20	49.23	63.50	4.39	2 -18UNS

MCB3100 Class E

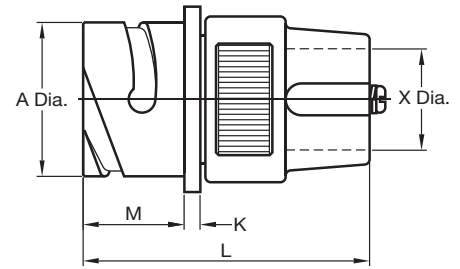
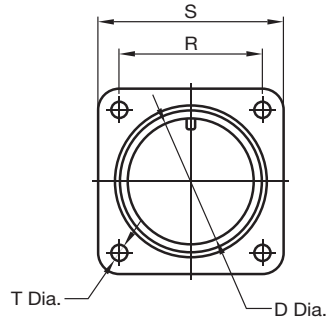


Units : mm

Shell Size	A Dia. +0.00 -0.15	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	R ±0.12	S ±0.78	T Dia. +0.25 -0.12	X Min. Cable Clearance
10SL	18.20	11.40	2.80	57.15	14.20	18.26	25.40	3.05	7.14
14S	24.60	17.30	3.20	57.15	14.20	23.01	30.18	3.05	10.32
16S	27.40	20.60	3.20	57.15	14.20	23.01	32.54	3.05	12.70
16	27.40	20.60	3.20	66.67	19.00	24.61	32.54	3.05	12.70
18	30.80	23.80	4.00	68.27	19.00	26.97	34.93	3.05	13.49
20	34.20	26.90	4.00	69.85	19.00	29.36	38.10	3.05	16.67
22	37.40	30.00	4.00	69.85	19.00	31.75	41.28	3.05	19.05
24	40.90	33.20	4.00	75.41	20.60	34.93	44.45	3.73	19.84
28	46.70	38.80	4.00	76.98	20.60	39.67	50.80	3.73	23.42
32	53.40	45.20	4.00	76.98	22.20	44.45	57.15	4.39	29.37
36	59.60	50.60	4.00	83.33	22.20	49.23	63.50	4.39	31.75

Bayonet Coupling Connector MCB Series

MCB3100 Class R

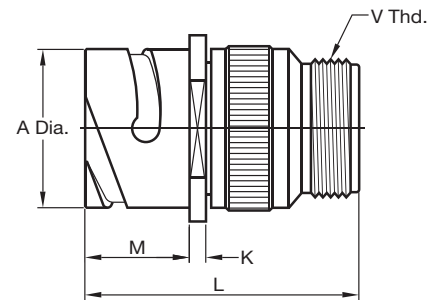
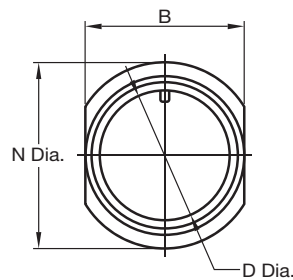


Units : mm

Shell Size	A Dia. +0.00 -0.15	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	R ±0.12	S ±0.78	T Dia. +0.25 -0.12	X Min. Cable Clearance
10SL	18.20	11.40	2.80	46.68	14.20	18.26	25.40	3.05	7.14
14S	24.60	17.30	3.20	46.68	14.20	23.01	30.18	3.05	10.32
16S	27.40	20.60	3.20	46.68	14.20	23.01	32.54	3.05	12.70
16	27.40	20.60	3.20	55.39	19.00	24.61	32.54	3.05	12.70
18	30.80	23.80	4.00	57.93	19.00	26.97	34.93	3.05	13.49
20	34.20	26.90	4.00	57.93	19.00	29.36	38.10	3.05	16.67
22	37.40	30.00	4.00	57.93	19.00	31.75	41.28	3.05	19.05
24	40.90	33.20	4.00	57.93	20.60	34.93	44.45	3.73	19.84
28	46.70	38.80	4.00	57.93	20.60	39.67	50.80	3.73	23.42
32	53.40	45.20	4.00	58.97	22.20	44.45	57.15	4.39	29.37
36	59.60	50.60	4.00	58.97	22.20	49.23	63.50	4.39	31.75

Cable Connecting Plug

MCB3101 Class A



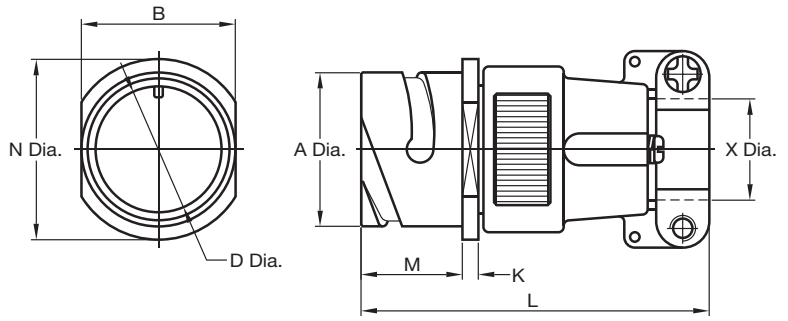
Units : mm

Shell Size	A Dia. +0.00 -0.15	B Approx	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	N Dia. Max.	V Thread Class 2A
10SL	18.20	16.40	11.40	2.80	38.88	14.20	24.61	5/8-24UNEF
14S	24.60	22.80	17.30	3.20	42.87	14.20	29.36	3/4-20UNEF
16S	27.40	25.90	20.60	3.20	42.87	14.20	31.75	7/8-20UNEF
16	27.40	25.90	20.60	3.20	52.37	19.00	31.75	7/8-20UNEF
18	30.80	29.00	23.80	4.00	52.37	19.00	34.13	1-20UNEF
20	34.20	32.20	26.90	4.00	55.57	19.00	37.31	1 3/16-18UNEF
22	37.40	35.40	30.00	4.00	55.57	19.00	40.48	1 3/16-18UNEF
24	40.90	38.60	33.20	4.00	58.72	20.60	43.66	1 7/16-18UNEF
28	46.70	45.00	38.80	4.00	58.72	20.60	50.01	1 7/16-18UNEF
32	53.40	51.30	45.20	4.00	61.92	22.20	56.36	1 3/4-18UNS
36	59.60	57.60	50.60	4.00	61.92	22.20	62.71	2 -18UNS

Bayonet Coupling Connector MCB Series



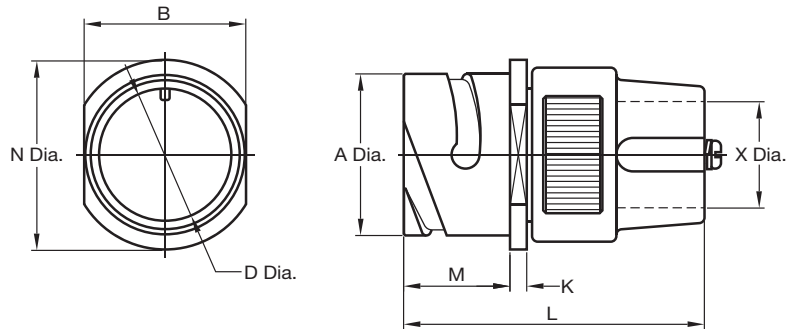
MCB3101 Class E



Units : mm

Shell Size	A Dia. +0.00 -0.15	B Approx	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	N Dia. Max.	X Min. Cable Clearance
10SL	18.20	16.40	11.40	2.80	57.15	14.20	24.61	7.14
14S	24.60	22.80	17.30	3.20	57.15	14.20	29.36	10.32
16S	27.40	25.90	20.60	3.20	57.15	14.20	31.75	12.70
16	27.40	25.90	20.60	3.20	66.67	19.00	31.75	12.70
18	30.80	29.00	23.80	4.00	68.27	19.00	34.13	13.49
20	34.20	32.20	26.90	4.00	69.85	19.00	37.31	16.67
22	37.40	35.40	30.00	4.00	69.85	19.00	40.48	19.05
24	40.90	38.60	33.20	4.00	75.41	20.60	43.66	19.84
28	46.70	45.00	38.80	4.00	76.98	20.60	50.01	23.42
32	53.40	51.30	45.20	4.00	76.98	22.20	56.36	29.37
36	59.60	57.60	50.60	4.00	83.33	22.20	62.71	31.75

MCB3101 Class R



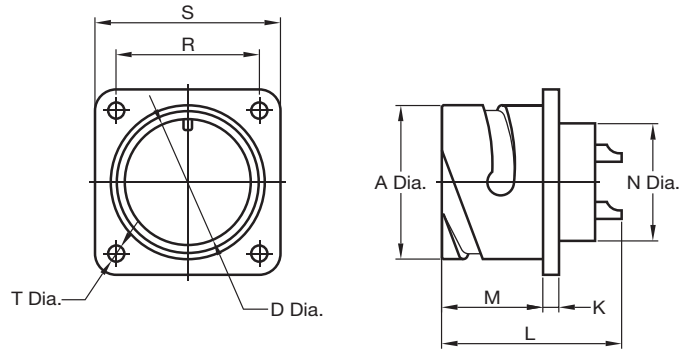
Units : mm

Shell Size	A Dia. +0.00 -0.15	B Approx	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	N Dia. Max.	X Min. Cable Clearance
10SL	18.20	16.40	11.40	2.80	46.68	14.20	24.61	7.14
14S	24.60	22.80	17.30	3.20	46.68	14.20	29.36	10.32
16S	27.40	25.90	20.60	3.20	46.68	14.20	31.75	12.70
16	27.40	25.90	20.60	3.20	55.39	19.00	31.75	12.70
18	30.80	29.00	23.80	4.00	57.93	19.00	34.13	13.49
20	34.20	32.20	26.90	4.00	57.93	19.00	37.31	16.67
22	37.40	35.40	30.00	4.00	57.93	19.00	40.48	19.05
24	40.90	38.60	33.20	4.00	57.93	20.60	43.66	19.84
28	46.70	45.00	38.80	4.00	57.93	20.60	50.01	23.42
32	53.40	51.30	45.20	4.00	58.97	22.20	56.36	29.37
36	59.60	57.60	50.60	4.00	58.97	22.20	62.71	31.75

Bayonet Coupling Connector MCB Series

Box Mounting Receptacle

MCB3102 Class A/E/R

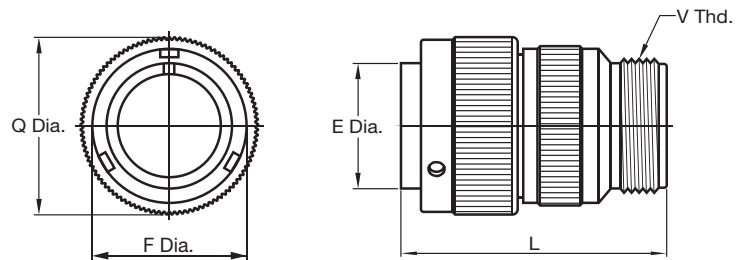


Units : mm

Shell Size	A Dia. +0.00 -0.15	D Dia. +0.30 -0.00	K ±0.20	L Max.	M +0.40 -0.00	N Dia. +0.00 -4.78	R ±0.12	S ±0.78	T Dia. +0.25 -0.12
10SL	18.20	11.40	2.80	30.25	14.20	19.86	18.26	25.40	3.05
14S	24.60	17.30	3.20	30.25	14.20	23.01	23.01	30.18	3.05
16S	27.40	20.60	3.20	30.25	14.20	26.21	23.01	32.54	3.05
16	27.40	20.60	3.20	44.45	19.00	26.21	24.61	32.54	3.05
18	30.80	23.80	4.00	49.22	19.00	29.36	26.97	34.93	3.05
20	34.20	26.90	4.00	49.22	19.00	32.56	29.36	38.10	3.05
22	37.40	30.00	4.00	49.22	19.00	35.71	31.75	41.28	3.05
24	40.90	33.20	4.00	49.22	20.60	38.91	34.93	44.45	3.73
28	46.70	38.80	4.00	49.22	20.60	45.26	39.67	50.80	3.73
32	53.40	45.20	4.00	49.22	22.20	51.61	44.45	57.15	4.39
36	59.60	50.60	4.00	49.22	22.20	57.96	49.23	63.50	4.39

Straight Plug

MCB3106 Class A

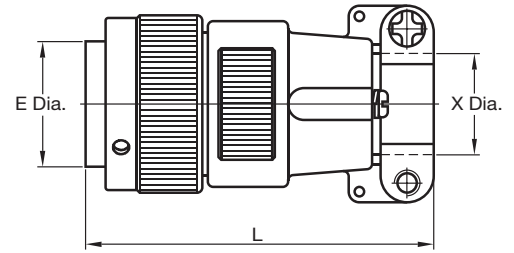
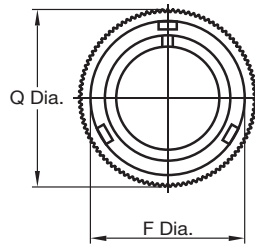


Units : mm

Shell Size	E Dia. +0.00 -0.38	F Dia. +0.20 -0.00	L Max.	Q Dia. Max.	V Thread Class 2A
10SL	11.32	18.40	38.88	22.80	5/8-24UNEF
14S	17.14	24.80	42.87	29.20	3/4-20UNEF
16S	20.44	27.60	42.87	32.00	7/8-20UNEF
16	20.44	27.60	52.37	32.00	7/8-20UNEF
18	23.62	31.10	52.37	36.50	1-20UNEF
20	26.67	34.50	55.57	39.90	1 3/16-18UNEF
22	29.84	37.70	55.57	43.10	1 3/16-18UNEF
24	33.02	41.20	58.72	46.60	1 7/16-18UNEF
28	38.60	47.00	58.72	53.40	1 7/16-18UNEF
32	44.95	53.70	61.92	60.10	1 3/4-18UNS
36	50.29	59.90	61.92	66.30	2-18UNS

Bayonet Coupling Connector MCB Series

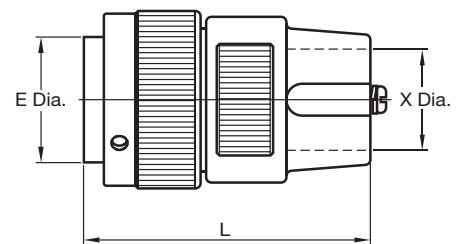
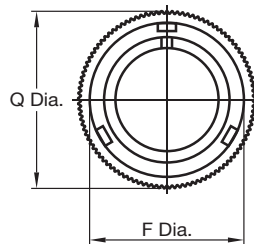
MCB3106 Class E



Units : mm

Shell Size	E Dia. +0.00 -0.38	F Dia. +0.20 -0.00	L Max.	Q Dia. Max.	X Min. Cable Clearance
10SL	11.32	18.40	57.15	22.80	7.14
14S	17.14	24.80	57.15	29.20	10.32
16S	20.44	27.60	57.15	32.00	12.70
16	20.44	27.60	66.67	32.00	12.70
18	23.62	31.10	68.27	36.50	13.49
20	26.67	34.50	69.85	39.90	16.67
22	29.84	37.70	75.41	43.10	19.05
24	33.02	41.20	75.41	46.60	19.84
28	38.60	47.00	76.98	53.40	23.42
32	44.95	53.70	76.98	60.10	29.37
36	50.29	59.90	83.33	66.30	31.75

MCB3106 Class R

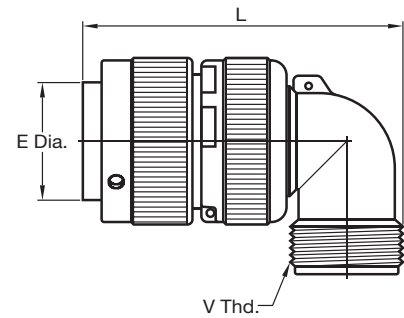
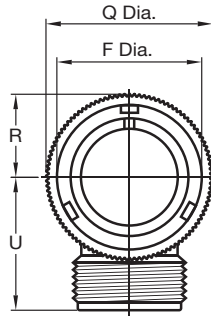


Units : mm

Shell Size	E Dia. +0.00 -0.38	F Dia. +0.20 -0.00	L Max.	Q Dia. Max.	X Min. Cable Clearance
10SL	11.32	18.40	46.68	22.80	7.14
14S	17.14	24.80	46.68	29.20	10.32
16S	20.44	27.60	46.68	32.00	12.70
16	20.44	27.60	55.39	32.00	12.70
18	23.62	31.10	57.93	36.50	13.49
20	26.67	34.50	57.93	39.90	16.67
22	29.84	37.70	57.93	43.10	19.05
24	33.02	41.20	57.93	46.60	19.84
28	38.60	47.00	57.93	53.40	23.42
32	44.95	53.70	58.97	60.10	29.37
36	50.29	59.90	58.97	66.30	31.75

Bayonet Coupling Connector MCB Series

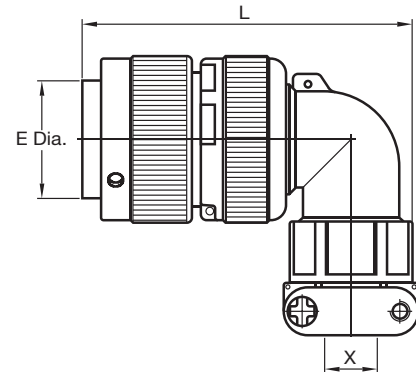
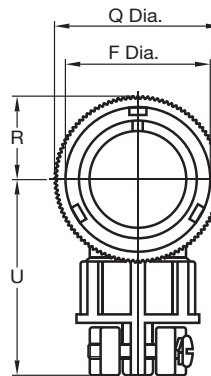
90° Angle Plug MCB3108 Class A



Units : mm

Shell Size	E Dia. +0.00 -0.38	F Dia. +0.20 -0.00	L Max.	Q Dia. Max.	R Max.	U Max.	V Thread Class 2A
10SL	11.32	18.40	46.02	22.80	13.10	25.40	5/8-24UNEF
14S	17.14	24.80	53.97	29.20	15.87	28.57	3/4-20UNEF
16S	20.44	27.60	60.32	32.00	17.47	30.17	7/8-20UNEF
16	20.44	27.60	65.07	32.00	17.47	30.17	7/8-20UNEF
18	23.62	31.10	68.27	36.50	19.05	33.32	1-20UNEF
20	26.67	34.50	76.98	39.90	21.43	34.92	1 3/16-18UNEF
22	29.84	37.70	76.98	43.10	23.01	34.92	1 3/16-18UNEF
24	33.02	41.20	86.51	46.60	24.20	39.67	1 7/16-18UNEF
28	38.60	47.00	86.51	53.40	27.78	39.67	1 7/16-18UNEF
32	44.95	53.70	95.25	60.10	31.34	47.62	1 3/4-18UNS
36	50.29	59.90	100.02	66.30	34.51	52.37	2 -18UNS

MCB3108 Class E/R



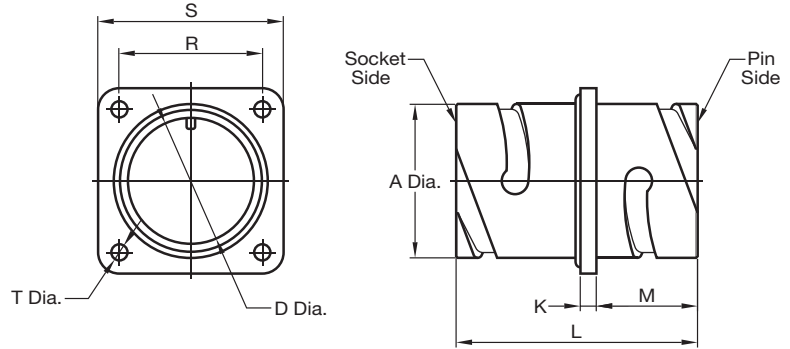
Units : mm

Shell Size	E Dia. +0.00 -0.38	F Dia. +0.20 -0.00	L Max.	Q Dia. Max.	R Max.	U Max.	X Min. Cable Clearance
10SL	11.32	18.40	55.57	22.80	13.10	38.10	7.14
14S	17.14	24.80	58.72	29.20	15.87	40.48	10.32
16S	20.44	27.60	61.11	32.00	17.47	42.87	12.70
16	20.44	27.60	70.63	32.00	17.47	42.87	12.70
18	23.62	31.10	72.23	36.50	19.05	45.23	13.49
20	26.67	34.50	82.55	39.90	21.43	50.01	16.67
22	29.84	37.70	82.55	43.10	23.01	50.80	19.05
24	33.02	41.20	94.46	46.60	24.20	53.97	19.84
28	38.60	47.00	94.46	53.40	27.78	55.57	23.42
32	44.95	53.70	106.37	60.10	31.34	65.88	29.37
36	50.29	59.90	109.14	66.30	34.51	69.06	31.75

Bayonet Coupling Connector MCB Series

Thru-Bulkhead Receptacle

MCB3109 Class A/E/R

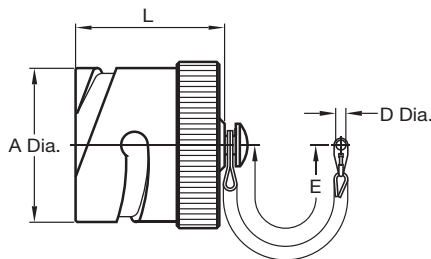


Units : mm

Shell Size	A Dia. +0.00 -0.15	D Dia. +0.30 -0.00	K ±0.30	L Max.	M +0.40 -0.00	R ±0.12	S ±0.78	T Dia. +0.25 -0.12
10SL	18.20	11.40	2.30	37.50	14.20	18.26	25.40	3.05
14S	24.60	17.30	2.30	37.50	14.20	23.01	30.18	3.05
16S	27.40	20.60	2.50	37.50	14.20	23.01	32.54	3.05
16	27.40	20.60	2.50	51.40	19.00	24.61	32.54	3.05
18	30.80	23.80	3.00	51.40	19.00	26.97	34.93	3.05
20	34.20	26.90	3.00	51.40	19.00	29.36	38.10	3.05
22	37.40	30.00	3.20	51.40	19.00	31.75	41.28	3.05
24	40.90	33.20	3.20	51.40	20.60	34.93	44.45	3.73
28	46.70	38.80	3.60	51.40	20.60	39.67	50.80	3.73
32	53.40	45.20	4.20	51.40	22.20	44.45	57.15	4.39
36	59.60	50.60	4.20	51.40	22.20	49.23	63.50	4.39

Plug Protection Cover

MCB25042

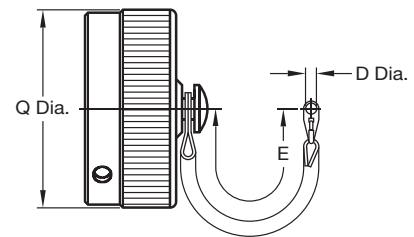


Units : mm

Shell Size	A Dia. +0.00 -0.15	D Dia. +0.25 -0.12	E ±One Link	L Max.
10SL	18.20	3.96	101.6	29.00
14S	24.60	3.96	120.0	29.00
16S	27.40	3.96	120.0	29.00
16	27.40	3.96	120.0	37.00
18	30.80	3.96	120.0	37.00
20	34.20	4.75	127.0	37.00
22	37.40	4.75	127.0	37.00
24	40.90	4.75	139.7	37.00
28	46.70	4.75	196.8	37.00
32	53.40	5.54	196.8	37.00
36	59.60	5.54	196.8	37.00

Receptacle Protection Cover

MCB25043

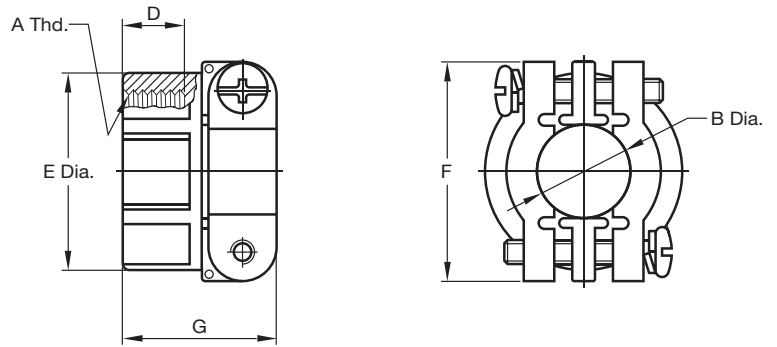


Units : mm

Shell Size	Q Dia. Max.	D Dia. +0.25 -0.12	E ±One Link
10SL	18.20	3.56	101.6
14S	24.60	3.56	120.0
16S	27.40	3.56	120.0
16	27.40	3.56	120.0
18	30.80	3.56	120.0
20	34.20	3.56	127.0
22	37.40	3.56	127.0
24	40.90	4.34	139.7
28	46.70	4.34	196.8
32	53.40	4.75	196.8
36	59.60	4.75	196.8

Bayonet Coupling Connector MCB Series

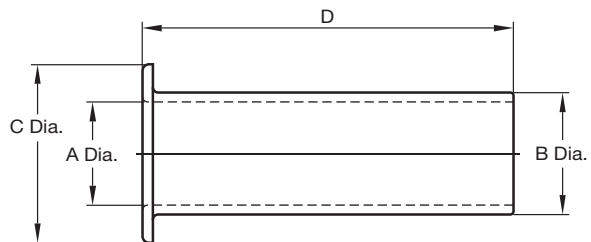
Cable Clamp MC3057 (MS3057)



Units : mm

Dash No.	Connector Shell Size	A Thread Class 2B	B Max. Wire Bundle Accommodation	D	E Dia. ±0.78	F ±0.78	G ±0.78
-4A	10SL	.625-24UNEF	7.92	10.31	20.62	22.23	20.62
-6A	14S	.750-20UNEF	11.12	10.31	24.61	26.97	22.23
-8A	16S, 16	.875-20UNEF	14.27	10.31	27.79	29.36	23.83
-10A	18	1.000-20UNEF	15.87	10.31	30.18	31.75	23.83
-12A	20, 22	1.188-18UNEF	19.05	10.31	34.94	37.31	23.83
-16A	24, 28	1.438-18UNEF	23.82	10.31	42.06	42.88	26.19
-20A	32	1.750-18UNS	31.75	11.91	51.59	51.59	27.79
-24A	36	2.000-18UNS	34.92	13.49	56.36	57.94	29.36

Rubber Bushing MC3420 (MS3420)



Units : mm

Dash No.	Connector Shell Size	A Dia.	B Dia.	C Dia.	D
-4	10SL	5.59	7.67	12.83	69.85
-6	14S	7.92	10.85	15.72	66.68
-8	16S, 16	11.10	14.02	18.90	63.50
-10	18	14.27	15.62	22.58	60.33
-12	20, 22	15.83	18.80	27.53	57.15
-16	24, 28	19.05	23.55	33.38	53.98
-20	32	23.80	31.50	40.59	50.80
-24	36	31.75	34.67	46.91	47.63

Insert Arrangements Table

Insert arrangement	Service Rating		No. Of Contact	Contact Size				
				0	4	8	12	16
10SL-3	All	A	3					3
10SL-4	All	A	2					2
14S-1	All	A	3					3
14S-2	All	INST	4					4
14S-4	-	D	1					1
14S-5	All	INST	5					5
14S-6	All	INST	6					6
14S-7	All	A	3					3
14S-9	All	A	2					2
16S-1	All	A	7					7
16-2	-	E	1				1	
16S-3	-	B	1					1
16S-4	All	D	2					2
16S-5	All	A	3					3
16S-6	All	A	3					3
16-7	All	A	3			1		2
16S-8	All	A	5					5
16-9	All	A	4				2	2
16-10	All	A	3				3	
16-11	All	A	2				2	
16-12	-	A	1		1			
16-13	All	A	2				2	
18-1	B, C, F, G	A	10					10
	All Others	INST	0					
18-3	All	D	2				2	
18-4	All	D	4					4
18-5	All	D	3				2	1
18-6	-	D	1		1			
18-7	-	B	1			1		
18-8	All	A	8				1	7
18-9	All	INST	7				2	5
18-10	All	A	4				4	
18-11	All	A	5				5	
18-12	All	A	6					6
18-13	All	A	4			1	3	
18-14	All	A	2		1			1
18-15	All	A	4				4	
18-16	-	C	1				1	
18-20	All	A	5					5
18-22	All	D	3					3
18-29	All	A	5					5
20-2	-	D	1	1				
20-3	All	D	3				3	
20-4	All	D	4				4	
20-5	All	E	2					2
20-6	All	D	3					3
20-7	A, B, G, H	D	8					8
	All Others	A						
20-8	All	INST	6			2		4
20-9	H	D	8				1	7
	All Others	A						
20-11	All	INST	13					13
20-12	All	A	2			1		1
20-13	All	A	4					4
20-14	All	A	5			2	3	
20-15	All	A	7				7	
20-16	All	A	9				2	7
20-17	All	A	6				5	1
20-18	All	A	9				3	6
20-19	All	A	3			3		
20-20	All	A	4			1	3	
20-21	All	A	9				1	8
20-22	All	A	6			3		3
20-23	All	A	2			2		
20-24	All	A	4			2		2
20-27	All	A	14					14
20-29	All	A	17					17
20-31	All	A	11					11
20-33	All	A	11					11
22-1	All	D	2			2		
22-2	All	D	3			3		
22-3	All	D	2		1			1
22-4	All	A	4			2	2	
22-5	All	D	6				2	4
22-6	All	D	3			2		1
22-7	-	E	1	1				
22-8	All	E	2				2	
22-9	All	E	3				3	
22-10	All	E	4					4
22-11	All	B	2					2
22-12	All	D	5			2		3
22-13	E	D	5				4	1
	All Others	A						
22-14	All	A	19					19
22-15	D	E	6				5	1
	All Others	A						
22-16	All	A	9				3	6

Insert Arrangements Table

Insert arrangement	Service Rating		No. Of Contact	Contact Size					
				0	4	8	12	16	
22-17	A	D	9				1	8	
	All Others	A							
22-18	C, D, E	A	8					8	
	All Others	D							
22-19	All	A	14					14	
22-20	All	A	9					9	
22-21	All	A	3	1				2	
22-22	All	A	4			4			
22-23	H	D	8				8		
	All Others	A							
22-24	C, D, E	D	6				2	4	
	All Others	A							
22-25	All	A	3	1				2	
22-27	J	D	9			1		8	
	All Others	A							
22-28	All	A	7				7		
22-29	All	A	7		1			6	
22-33	E, F, G	A	7					7	
	All Others	D							
22-34	All	D	5				3	2	
22-36	H	D	8				8		
	All Others	A							
24-1	All	D	2	1			1		
24-2	All	D	7				7		
24-3	All	D	7				2	5	
24-4	All	D	4	1				3	
24-6	A, G, H	D	8				8		
	All Others	A							
24-5	All	A	16					16	
24-7	All	A	16				2	14	
24-9	All	A	2		2				
24-10	All	A	7			7			
24-11	All	A	9			3	6		
24-12	All	A	5		2		3		
24-14	All	A	3	1			2		
24-16	A, B, F, G	D	7			1	3	3	
	All Others	A							
24-17	All	D	5				2	3	
24-20	All	D	11				2	9	
24-21	All	D	10			1		9	
24-22	All	D	4			4			
24-23	All	D	5			3		2	
24-27	All	E	7					7	
24-28	All	INST	24					24	
24-80	All	INST	23					23	
28-1	A, E, J	D	9				3	6	
	All Others	A							
28-2	All	D	14				2	12	
28-3	All	E	3				3		
28-4	G, P, S	E	9					2	7
	All Others	D							
28-5	All	D	5		2		1	2	
28-6	All	D	3		3				
28-8	L, M	E	12						
	B	D					2	10	
	All Others	A							
28-9	All	D	12				6	6	
28-10	G	D	7						
	All Others	A			2	2	3		
28-11	All	A	22				4	18	
28-12	All	A	26					26	
28-14	All	D	11					11	
28-15	All	A	35					35	
28-16	All	A	20					20	
28-17	R	B	15						
	M, N, P	D						15	
	All Others	A							
28-18	M	C	12						
	A, B	A						12	
	C, D, E, F	INST							
	All Others	D							
28-19	H, M	B	10						
	A, B	D					4	6	
All Others	A								
28-20	All	A	14				10	4	
28-21	All	A	37					37	
28-22	All	D	6		3			3	
32-1	A	E	5	2				3	
	All Others	D							
32-2	All	E	5		3			2	
32-3	All	D	9	1	2		2	4	
32-4	All Others	D	14					2	12
	F, J, K, N	A							
32-5	All	D	2	2					
32-6	All	A	23		2	3	2	16	
32-7	A, B, h, j	INST	35					7	28
	All Others	A							
32-8	All	A	30				6	24	

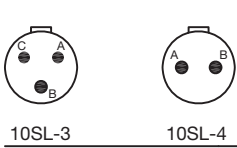
Insert Arrangements Table

Insert arrangement	Service Rating		No. Of Contact	Contact Size				
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32-9	All	D	14		2			12
32-12	C, D, E, F, G	A	15				5	10
	All Others	D						
32-13	All	D	23				5	18
32-14	All	D	7		2		5	
32-15	All	D	8	2			6	
32-17	All	D	4		4			
32-22	All	A	54					54
32-63	All	D	5		5			
32-73	All	A	46					46
36-1	All	D	22				4	18
36-3	All	D	6	3			3	
36-4	A	D	3	3				
	All Others	A						
36-5	All	A	4	4				
36-6	All	A	6	2	4			
36-7	All	A	47				7	40
36-8	All	A	47				1	46
36-9	All	A	31		1	2	14	14
36-10	All	A	48					48
36-13	N, P, Q	E	17				2	15
	All Others	A						
36-14	All	D	16			5	5	6
36-15	M	D	35					35
	All Others	A						
36-19	All	D	17	1	1		5	10
36-52	All	A	52					52
36-66	All	A	56				4	52

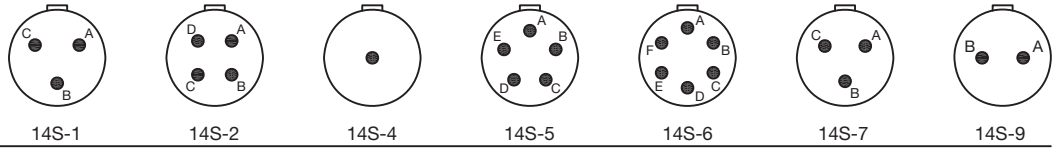
Contact Arrangements



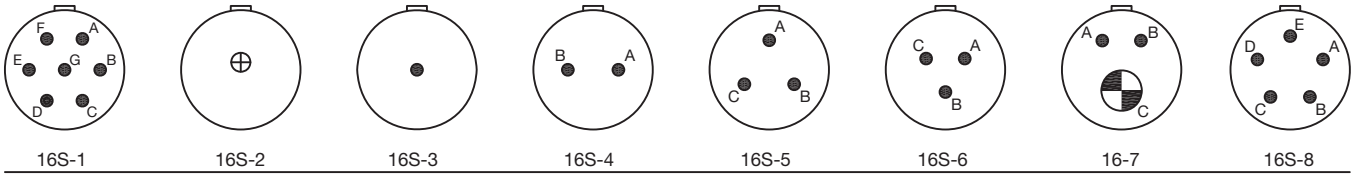
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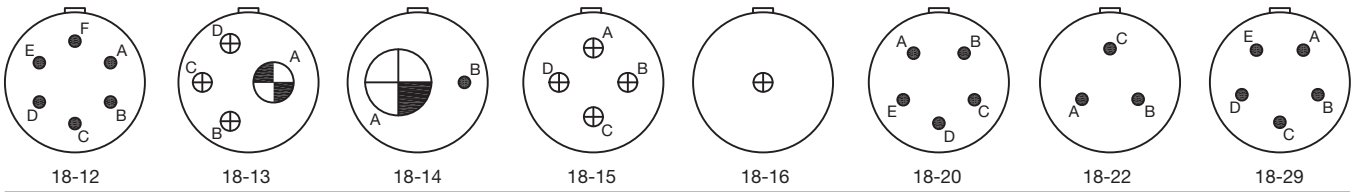
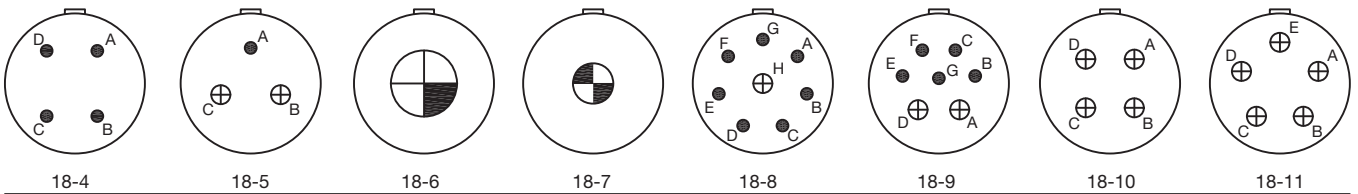
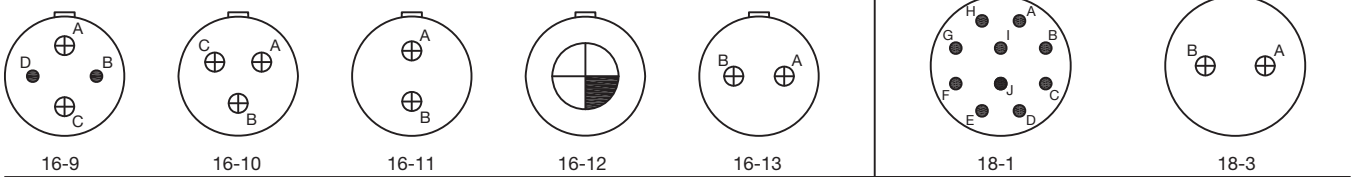
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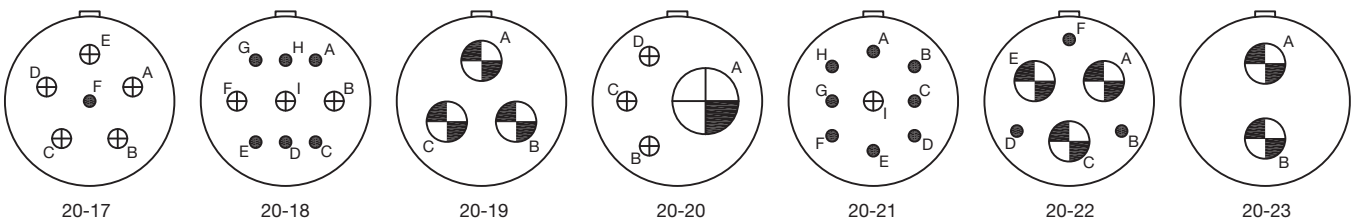
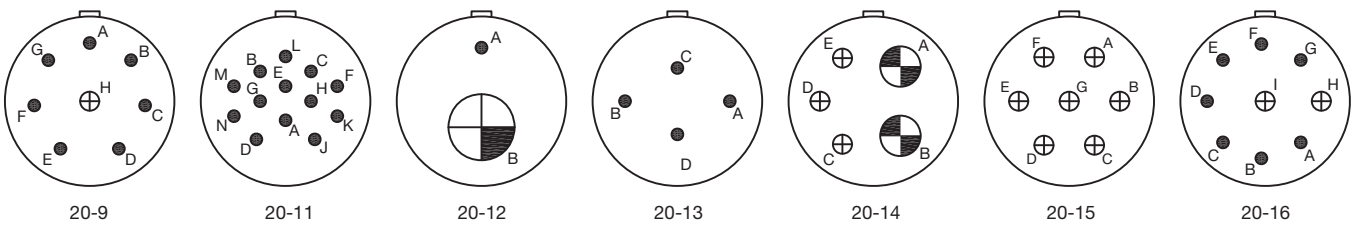
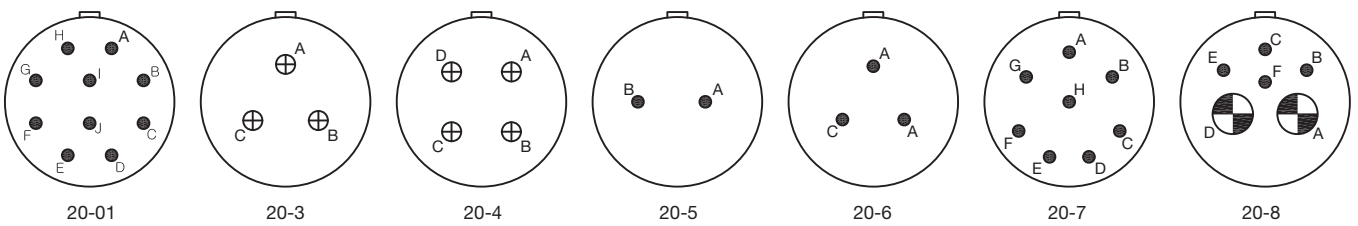
Shell Size 16S & 16



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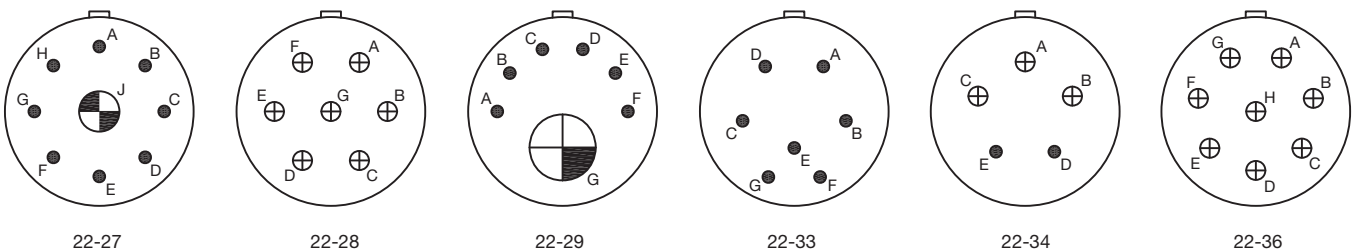
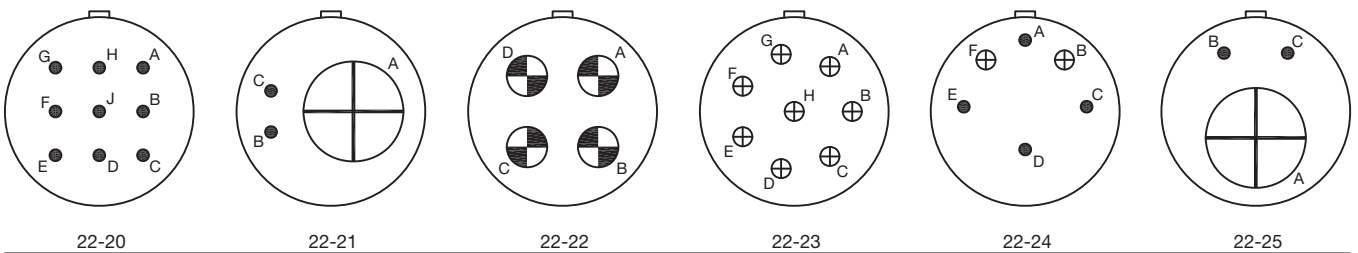
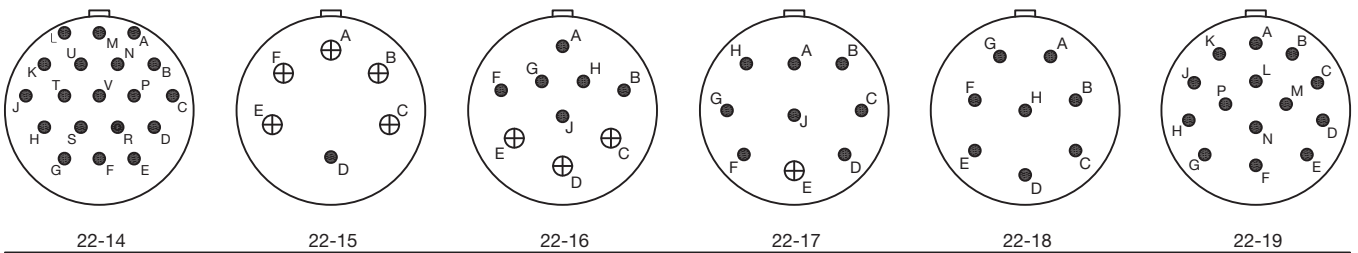
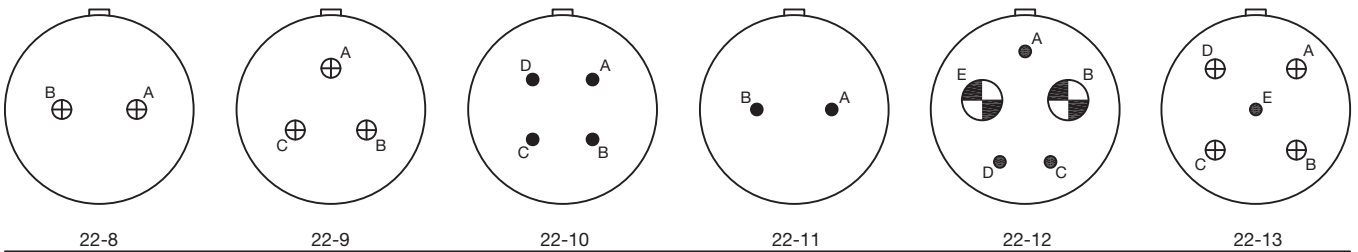
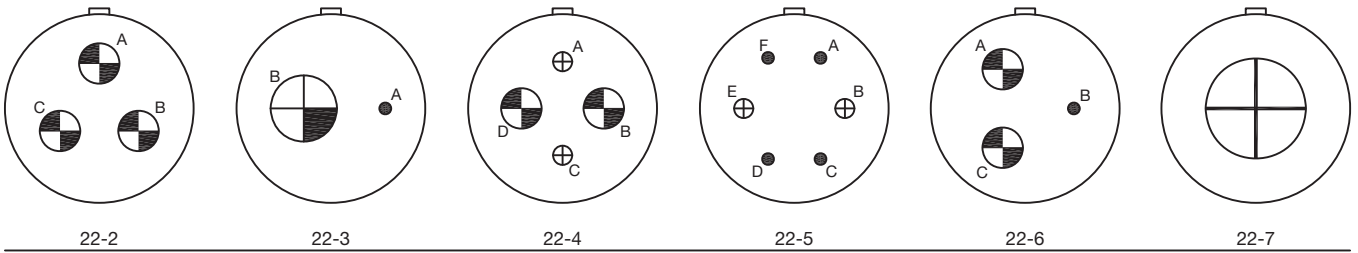
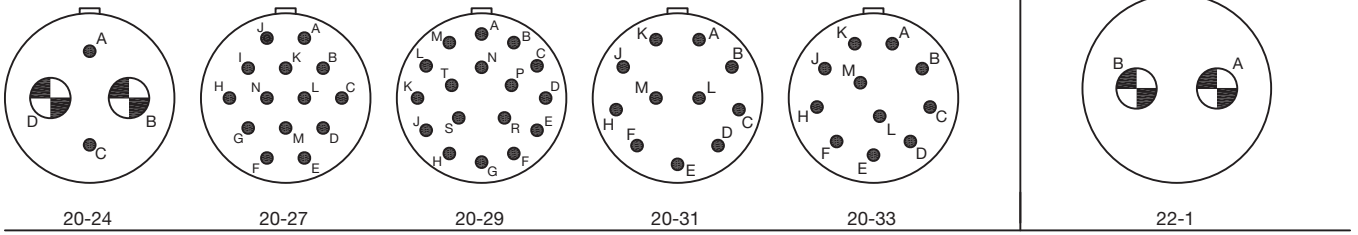


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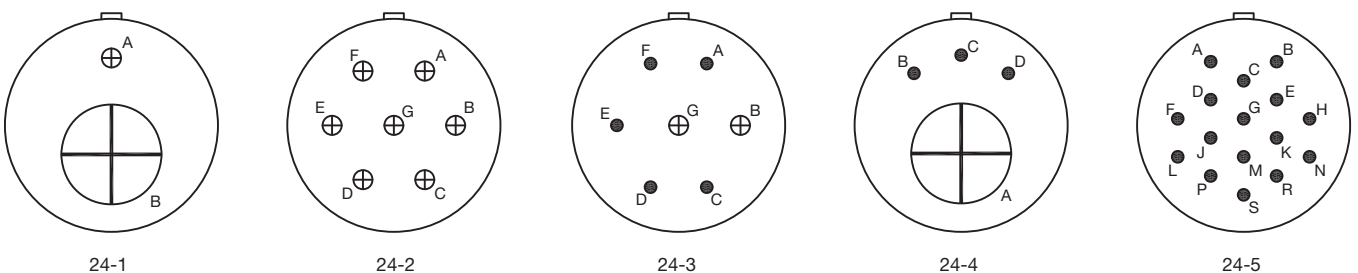


Contact Arrangements

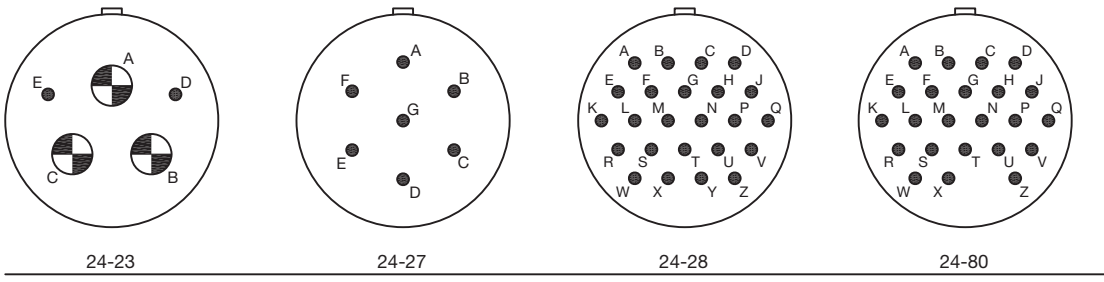
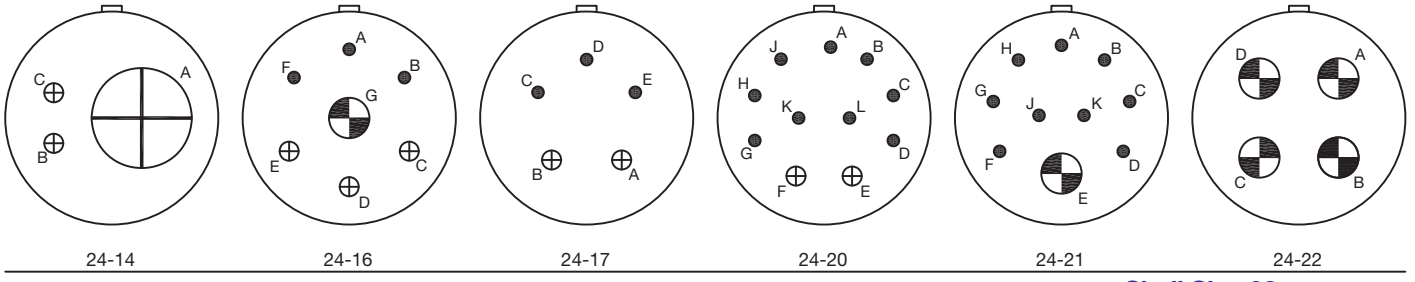
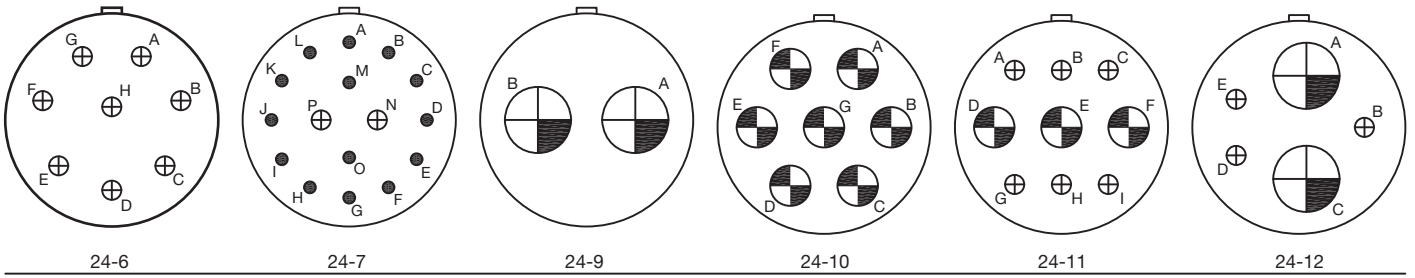
Shell Size 22



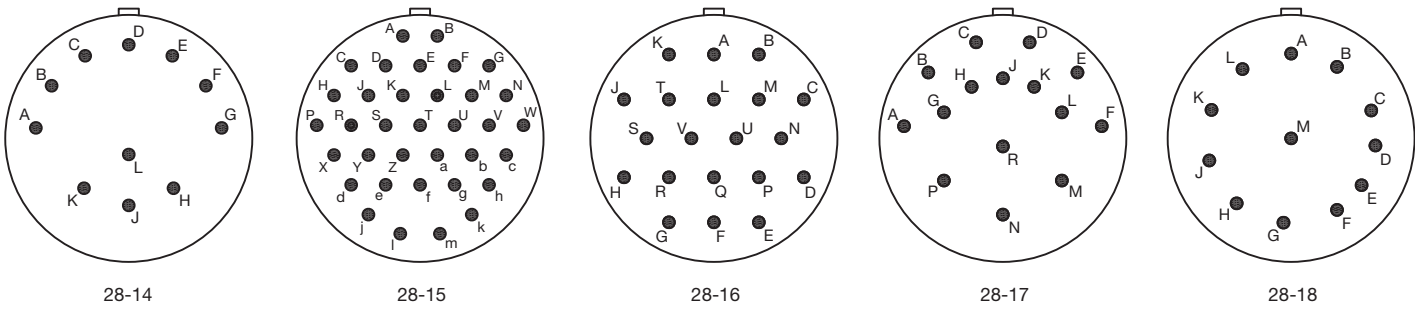
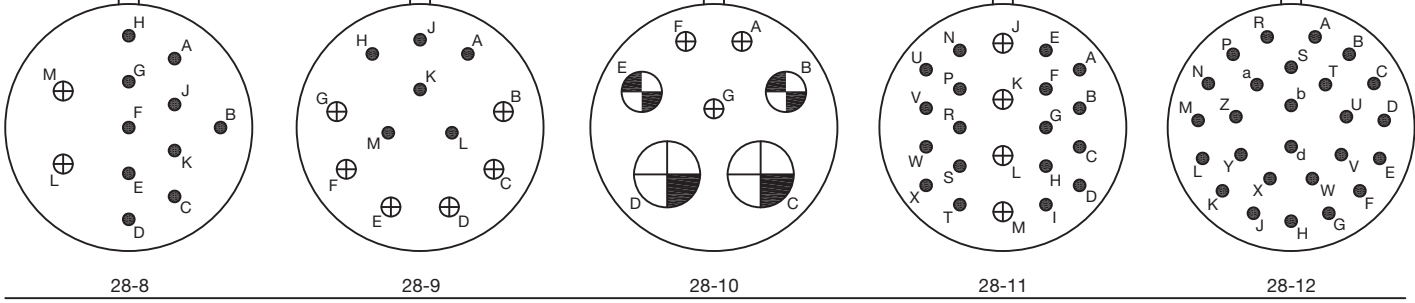
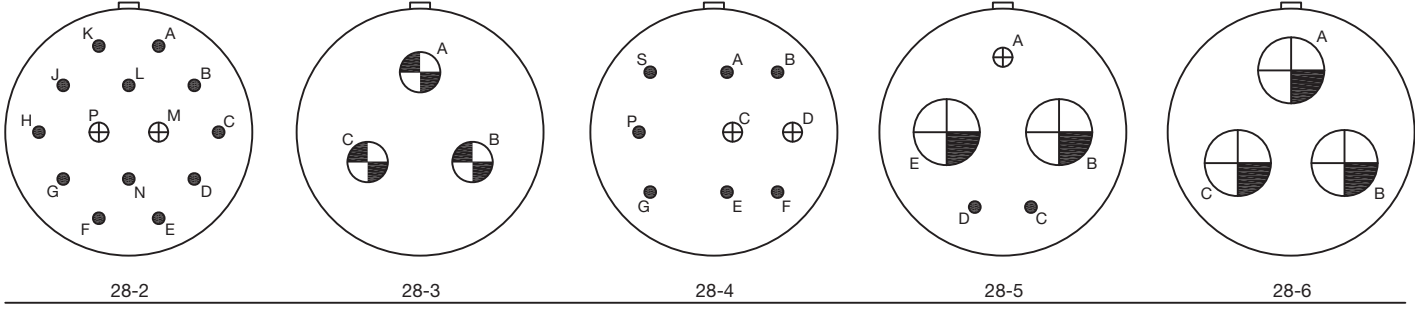
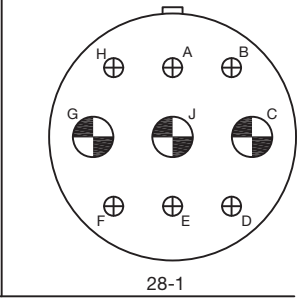
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Contact Arrangements

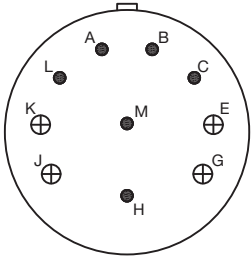


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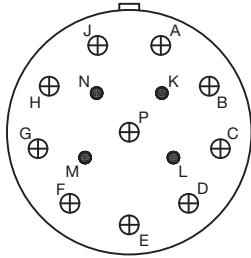


Contact Arrangements

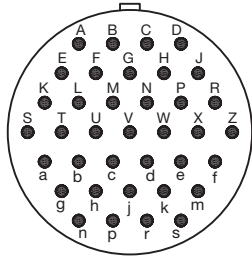
Shell Size 32



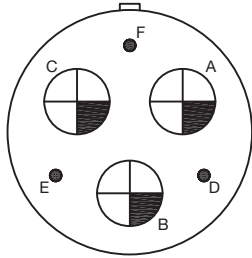
28-19



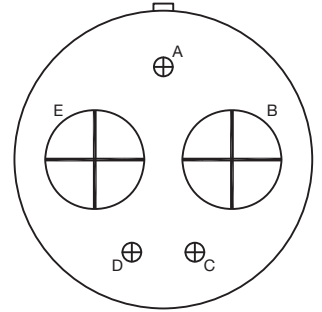
28-20



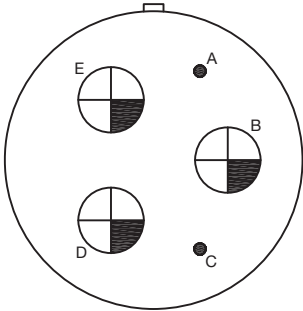
28-21



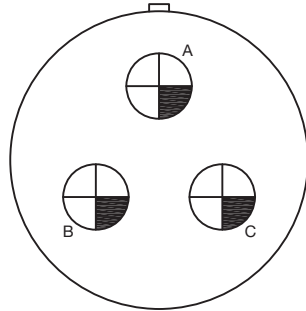
28-22



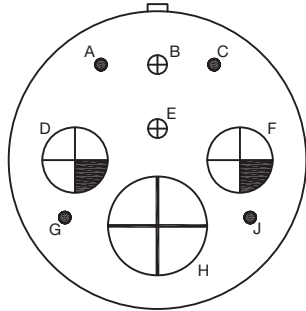
32-1



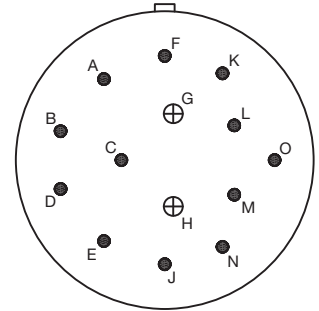
32-2



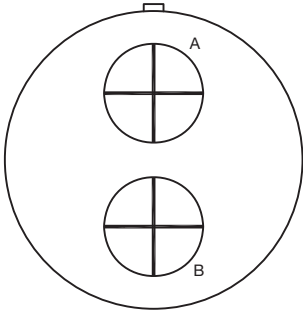
32-03



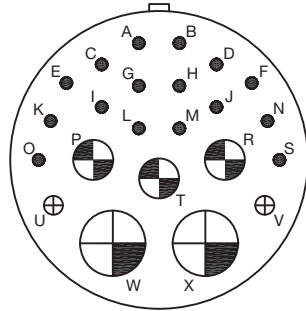
32-3



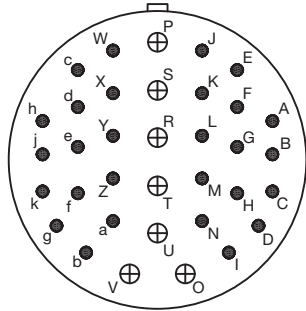
32-4



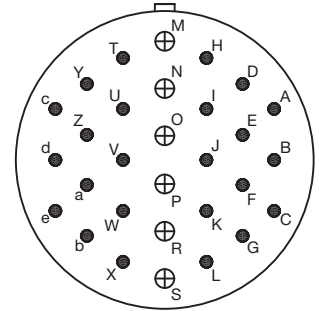
32-5



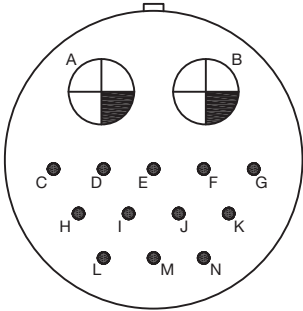
32-6



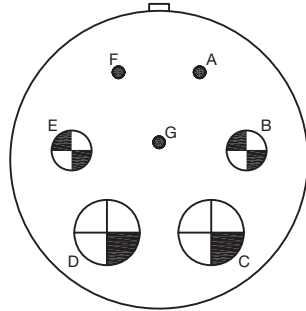
32-7



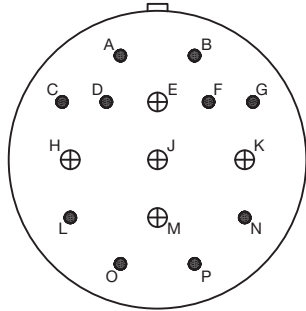
32-8



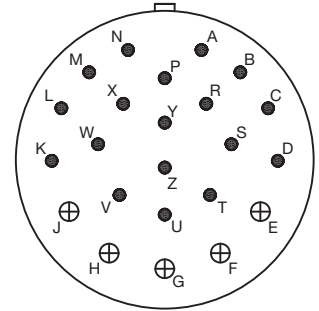
32-9



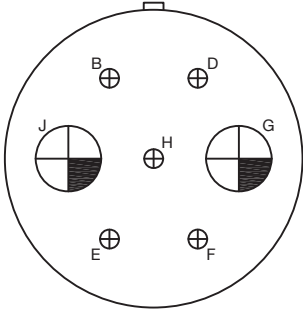
32-10



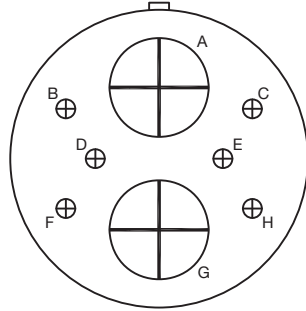
32-12



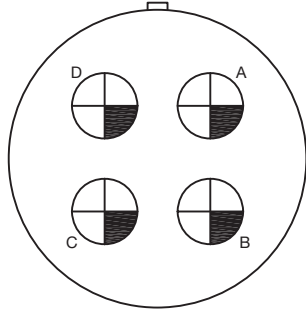
32-13



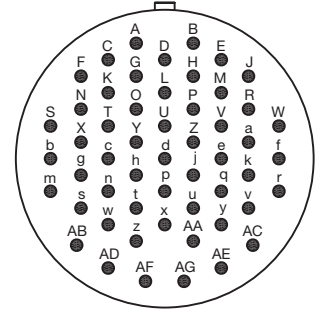
32-14



32-15



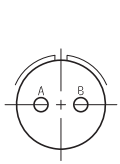
32-17



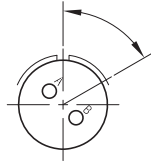
32-22

Bayonet Coupling Connector MCB Series

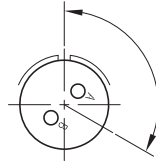
Alternate Insert Position



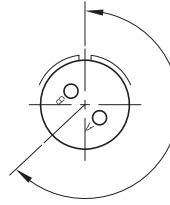
N Normal



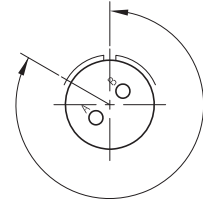
Position W



Position X



Position Y



Position Z

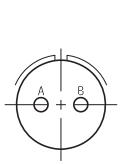
Views looking into front face of pin insert or rear face of socket insert.

Insert arrangement	Alternate Position			
	W	X	Y	Z
10SL-3	-	-	-	-
10SL-4	-	-	-	-
14S-1	-	-	-	-
14S-2	-	120	240	-
14S-4	-	-	-	-
14S-5	-	110	-	-
14S-6	-	-	-	-
14S-7	90	180	270	-
14S-9	70	145	215	290
16S-1	80	-	-	280
16-2	-	-	-	-
16S-3	-	-	-	-
16S-4	35	110	250	325
16S-5	70	145	215	290
16S-6	90	180	270	-
16-7	80	110	250	280
16S-8	-	170	265	-
16-9	35	110	250	325
16-10	90	180	270	-
16-11	35	110	250	325
16-12	-	-	-	-
16-13	35	110	250	325
18-1	70	145	215	290
18-3	35	110	250	325
18-4	35	110	250	325
18-5	80	110	250	280
18-6	-	-	-	-
18-7	-	-	-	-
18-8	70	-	-	290
18-9	80	110	250	280
18-10	-	120	240	-
18-11	-	170	265	-
18-12	80	-	-	280
18-13	80	110	250	280
18-14	80	110	250	280

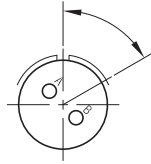
Insert arrangement	Alternate Position			
	W	X	Y	Z
18-15	-	120	240	-
18-16	-	-	-	-
18-20	90	180	270	-
18-22	70	145	215	290
18-29	90	180	270	-
20-2	-	-	-	-
20-3	70	145	215	290
20-4	45	110	250	-
20-5	35	110	250	325
20-6	70	145	215	290
20-7	80	110	250	280
20-8	80	110	250	280
20-9	80	110	250	280
20-11	-	-	-	-
20-12	80	110	250	280
20-13	-	-	-	-
20-14	80	110	250	280
20-15	80	-	-	280
20-16	80	110	250	280
20-17	90	180	270	-
20-18	35	110	250	325
20-19	90	180	270	-
20-20	80	110	250	280
20-21	35	110	250	325
20-22	80	110	250	280
20-23	35	110	250	325
20-24	35	110	250	325
20-27	35	110	250	325
20-29	80	-	-	280
20-31	-	-	-	-
20-33	-	-	-	-
22-1	35	110	250	325
22-2	70	145	215	290
22-3	80	110	250	280
22-4	35	110	250	325

Insert arrangement	Alternate Position			
	W	X	Y	Z
22-5	35	110	250	325
22-6	80	110	250	280
22-7	-	-	-	-
22-8	35	110	250	325
22-9	70	145	215	290
22-10	35	110	250	325
22-11	35	110	250	325
22-12	80	110	250	280
22-13	35	110	250	325
22-14	80	110	250	280
22-15	80	110	250	280
22-16	80	110	250	280
22-17	80	110	250	280
22-18	80	110	250	280
22-19	80	110	250	280
22-20	35	110	250	325
22-21	80	110	250	280
22-22	-	110	250	-
22-23	35	-	250	-
22-24	80	110	250	280
22-25	80	110	250	280
22-27	80	-	250	280
22-28	80	-	-	280
22-29	80	110	250	280
22-33	80	110	250	280
22-34	80	110	250	280
22-36	90	-	270	-
24-1	80	110	250	280
24-2	80	-	-	280
24-3	80	110	250	280
24-4	80	110	250	280
24-6	80	110	250	280
24-5	80	110	250	280
24-7	80	110	250	280
24-9	35	110	250	325

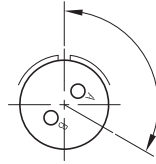
Alternate Insert Position



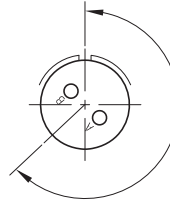
N Normal



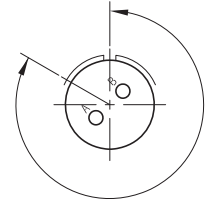
Position W



Position X



Position Y



Position Z

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

Insert arrangement	Alternate Position			
	W	X	Y	Z
24-10	80	-	-	280
24-11	35	110	250	325
24-12	80	110	250	280
24-14	80	110	250	280
24-16	80	110	250	280
24-17	80	110	250	280
24-20	80	110	250	280
24-21	80	110	250	280
24-22	45	110	250	-
24-23	80	110	250	280
24-27	80	-	-	280
24-28	80	110	250	280
24-80	35	145	240	300
28-1	80	110	250	280
28-2	35	110	250	325
28-3	70	145	215	290
28-4	80	110	250	280
28-5	35	110	250	325
28-6	70	145	215	290
28-8	80	110	250	280
28-9	80	110	250	280
28-10	80	110	250	280

Insert arrangement	Alternate Position			
	W	X	Y	Z
28-11	80	110	250	280
28-12	90	180	270	-
28-14	80	110	250	280
28-15	80	110	250	280
28-16	80	110	250	280
28-17	80	110	250	280
28-18	70	145	215	290
28-19	80	110	250	280
28-20	80	110	250	280
28-21	80	110	250	280
28-22	70	145	215	290
32-1	80	110	250	280
32-2	70	145	215	290
32-3	80	110	250	280
32-4	80	110	250	280
32-6	80	110	250	280
32-7	80	125	235	280
32-8	80	125	235	280
32-9	80	110	250	280
32-12	80	110	250	280
32-13	80	110	250	280
32-14	35	110	250	325

Insert arrangement	Alternate Position			
	W	X	Y	Z
32-15	35	110	250	280
32-17	45	110	250	-
32-22	80	110	250	280
32-63	-	-	-	-
32-73	36	-	-	-
36-1	80	110	250	280
36-3	70	145	215	290
36-4	70	145	215	290
36-5	-	120	240	-
36-6	35	110	250	325
36-7	80	110	250	280
36-8	80	110	250	280
36-9	80	125	235	280
36-10	80	125	235	280
36-13	80	110	250	280
36-14	90	180	270	-
36-15	60	125	245	305
36-19	80	110	250	280
36-52	72	144	216	288
36-66	110	250	260	280

MCS CONNECTOR

MC Connector
MILCON

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