

Connector MIL-DTL-5015

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

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Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

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

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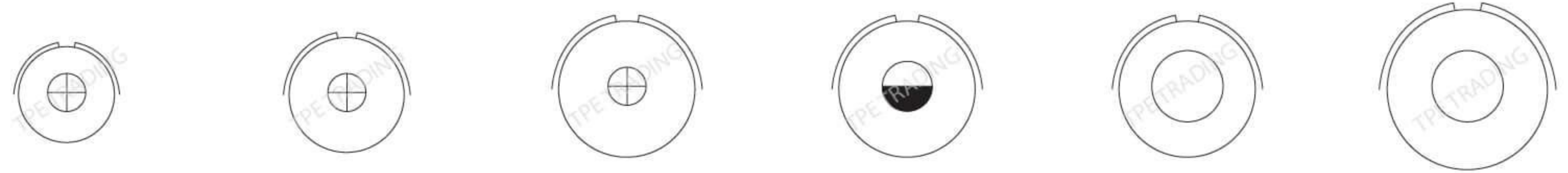
CONTACT ARRANGEMENT

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

CONTACT LEGEND



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

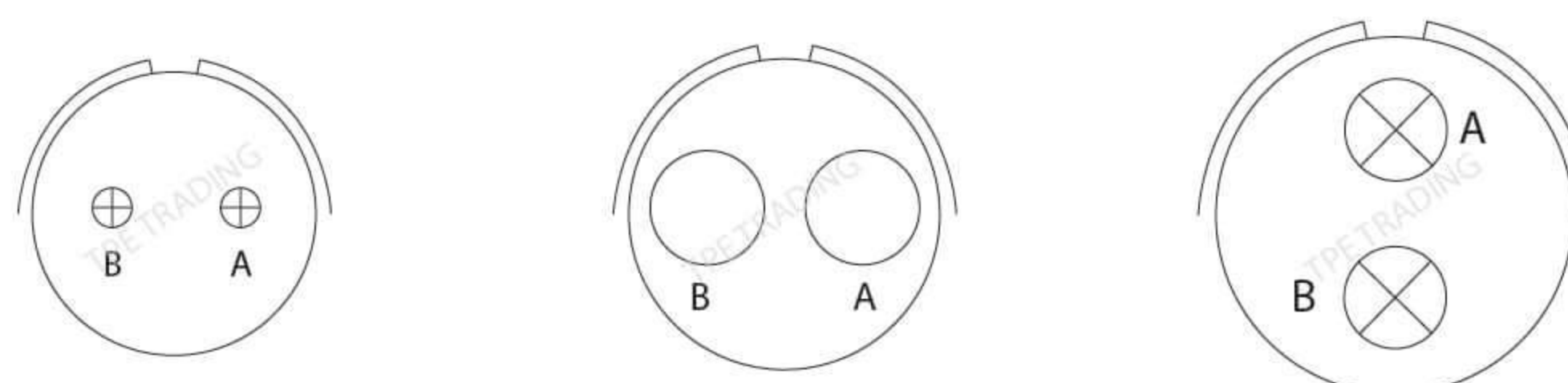
2 CONTACTS



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

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CONTACT ARRANGEMENT

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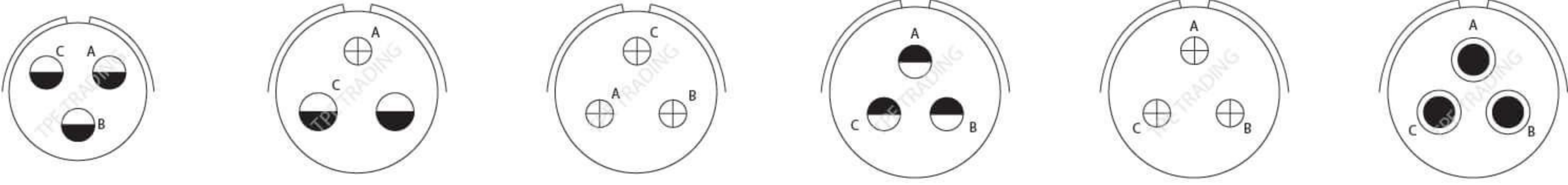
CONTACT LEGEND



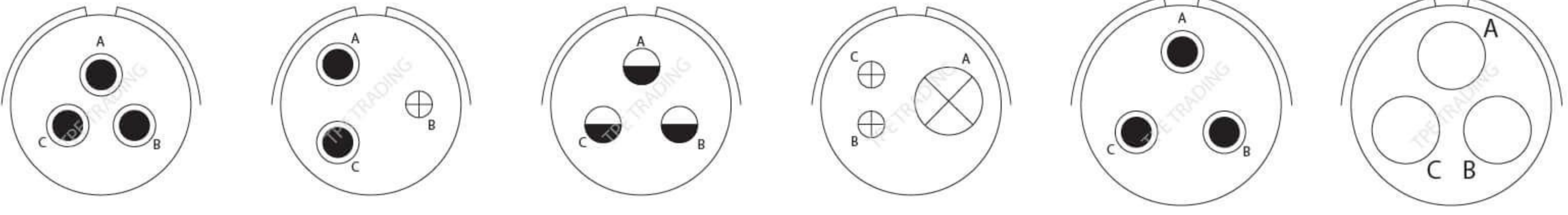
3 CONTACT



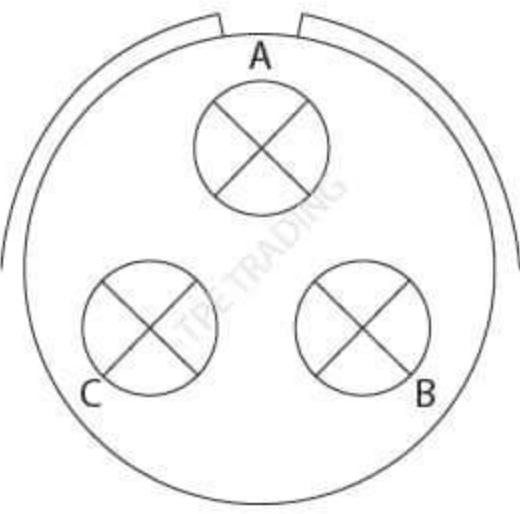
Insert Arrangement	10SL-3	14S-1	14S-7	16S-5	16S-6	16-7
Contact Size - No. of Contacts	#16-3	#16-3	#16-3	#16-3	#16-3	#16-2, #8-1
Service Rating	A	A	A	A	A	A



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

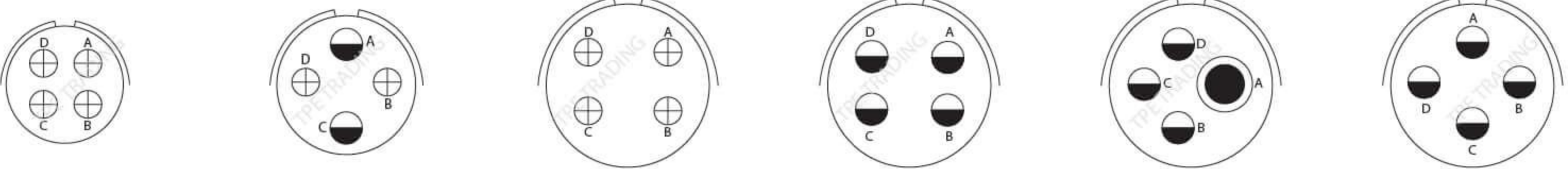


Insert Arrangement	22-2	22-6	22-9	22-21	28-3	28-6
Contact Size - No. of Contacts	#8-3	#16-1, #8-2	#12-3	#16-2, #0-1	#8-3	#4-3
Service Rating	D	D	E	A	E	D



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

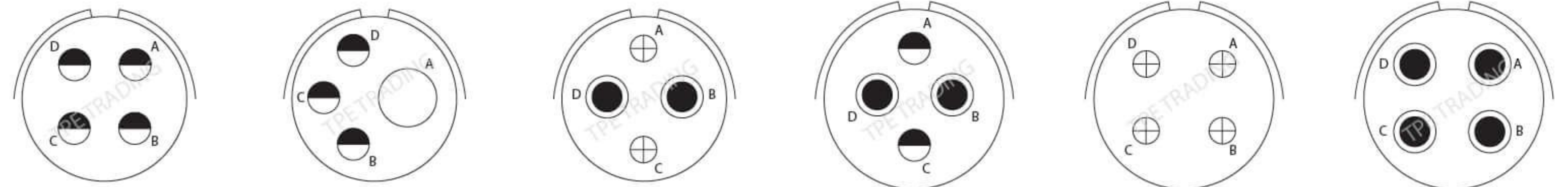
CONTACT ARRANGEMENT

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

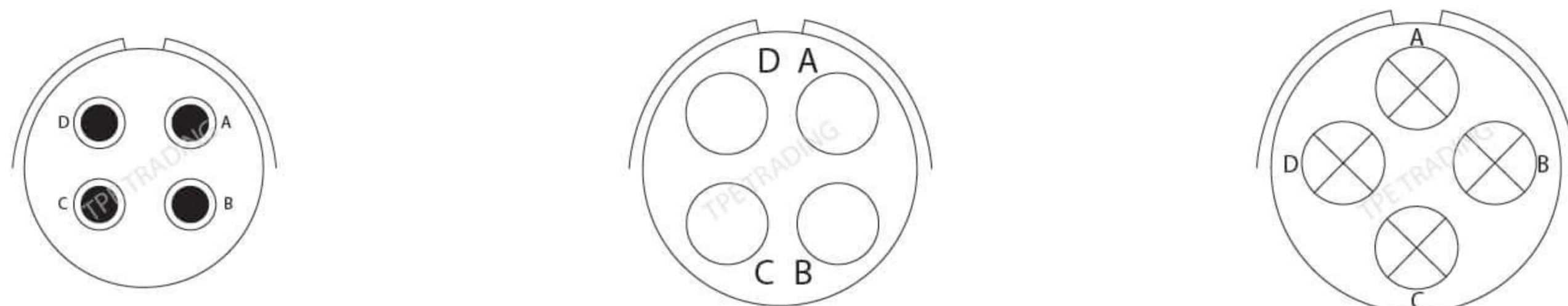
CONTACT LEGEND



4 CONTACT

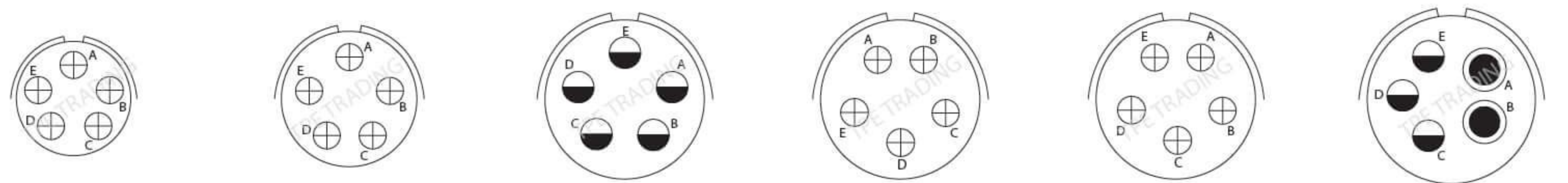


Insert Arrangement	20-4	20-20	20-24	22-4	22-10	22-2
Contact Size - No. of Contacts	#12-4	#12-3, #4-1	#16-2, #8-2	#12-2, #8-2	#16-4	#8-4
Service Rating	D	A	A	A	E	A

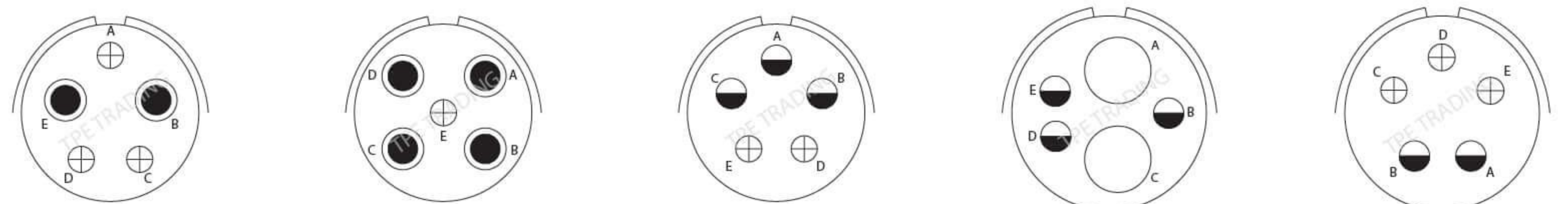


Insert Arrangement	24-22	32-17	36-5
Contact Size - No. of Contacts	#8-4	#4-4	#0-4
Service Rating	D	D	D

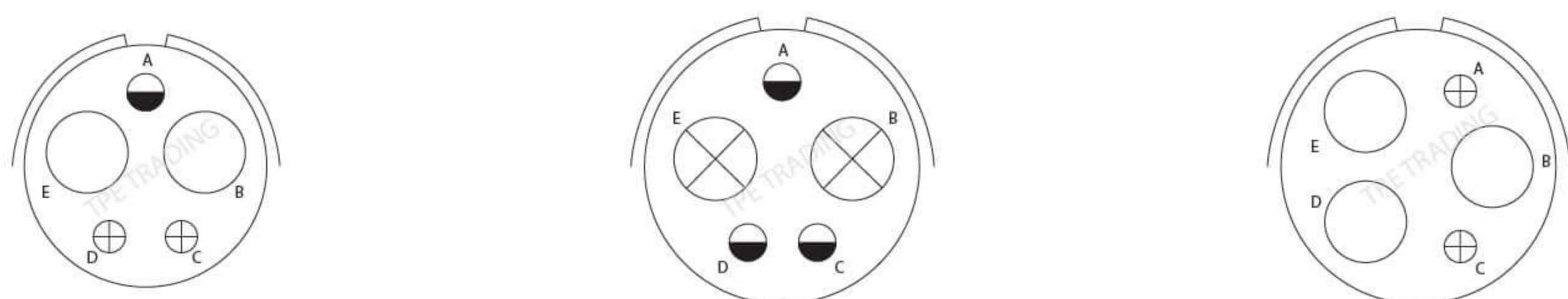
5 CONTACTS



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

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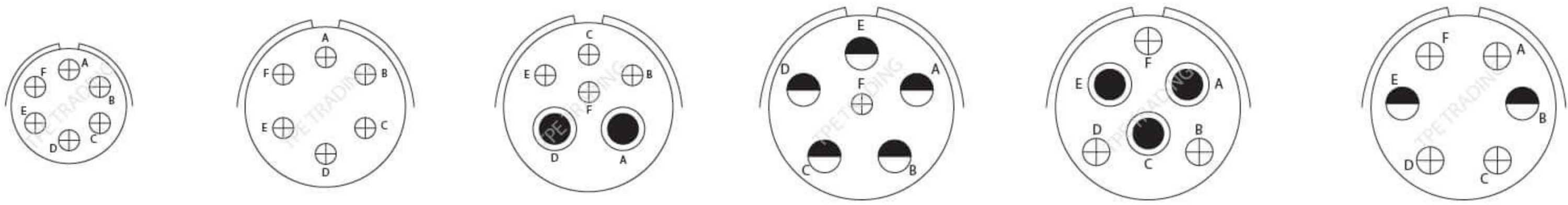
CONTACT ARRANGEMENT

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

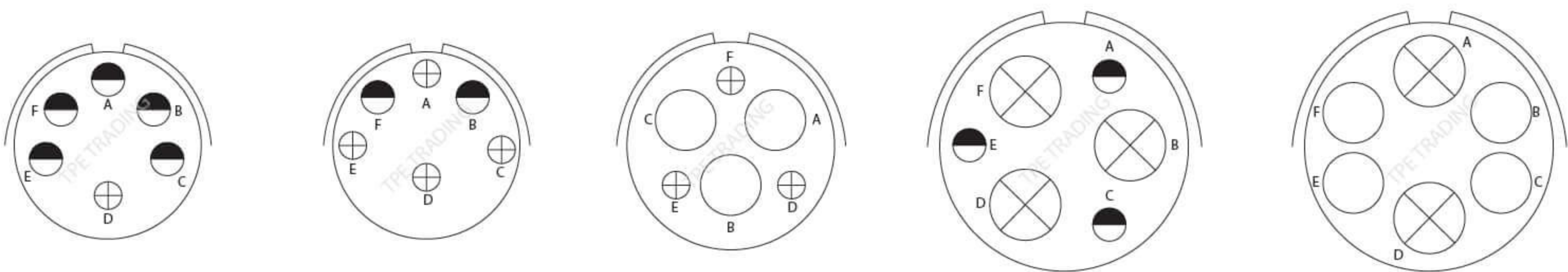
CONTACT LEGEND



6 CONTACT

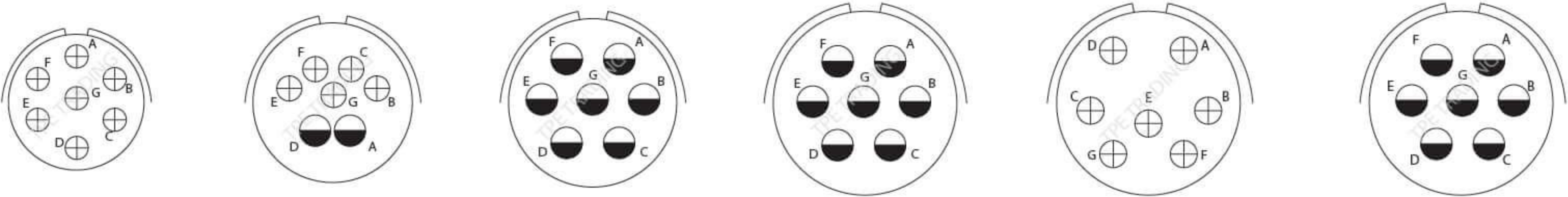


Insert Arrangement	14S-6	18-12	20-8	20-17	20-22	22-5
Contact Size - No. of Contacts	#16-6	#16-6	#16-4, #8-2	#16-1, #12-5	#16-3, #8-3	#16-4, #12-2
Service Rating	Inst.	A	Inst.	A	A	D

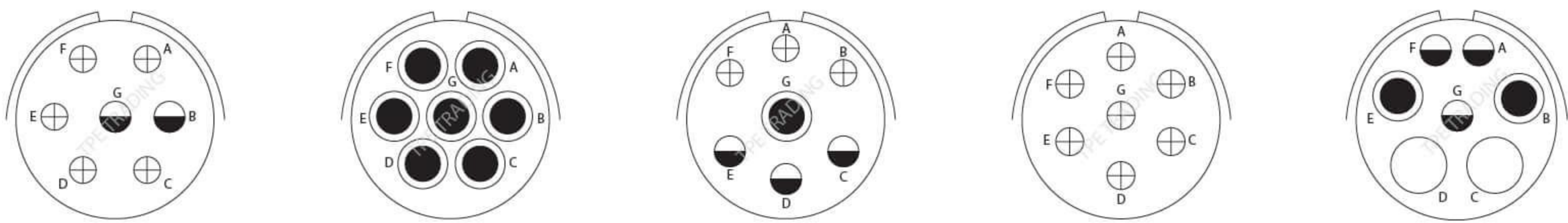


Insert Arrangement	22-15	22-24	28-22	36-3	36-6
Contact Size - No. of Contacts	#16-1, #12-5	#16-4, #12-2	#16-3, #4-3	#12-3, #0-3	#4-4, #0-2
Service Rating	E(D) / A(All Others)	D(C,D,E) / A (A All Others)	D	D	A

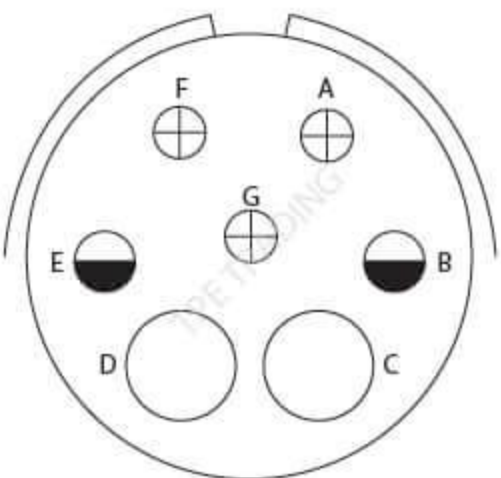
7 CONTACTS



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)

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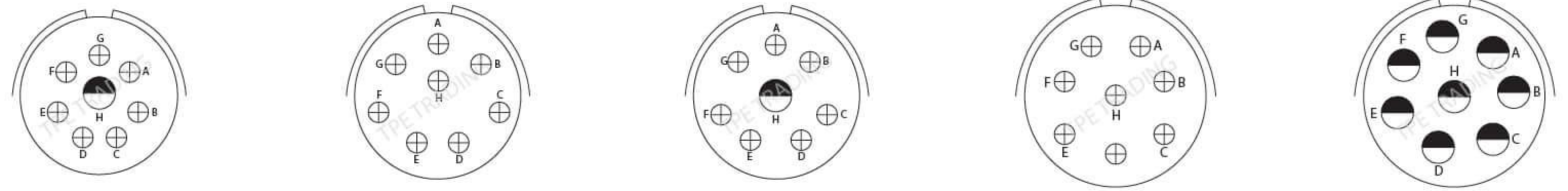
CONTACT ARRANGEMENT

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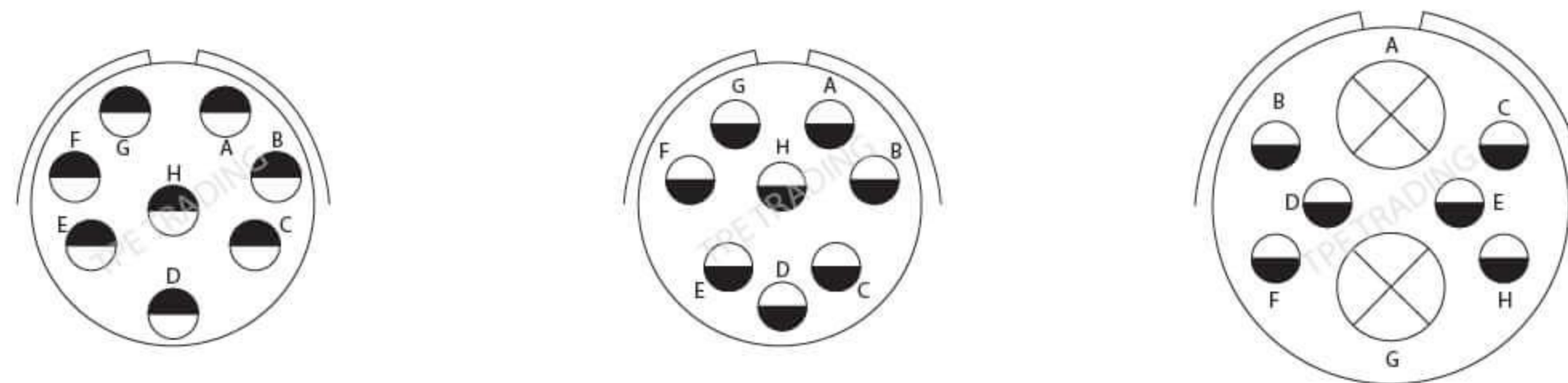
CONTACT LEGEND



8 CONTACT

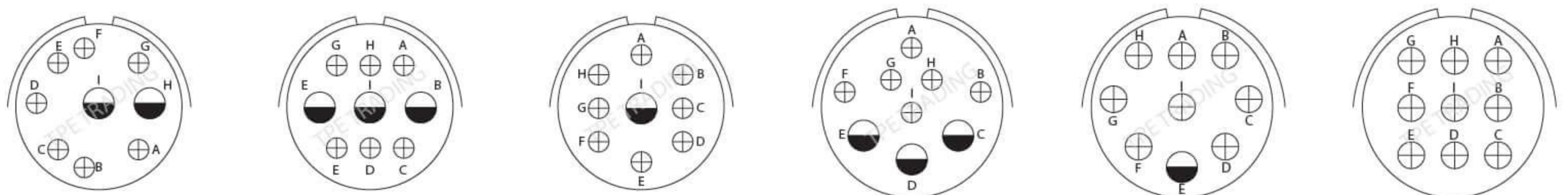


Insert Arrangement	18-8	20-7	20-9	22-18	22-23
Contact Size - No. of Contacts	#16-7, #12-1	#16-8	#16-7, #12-1	#16-8	#12-8
Service Rating	A	D(A,B,H,G) / A(All Others)	D(H)/ A(All Others)	A(C,D,E) / D(All Others)	D(H) / A(All Others)

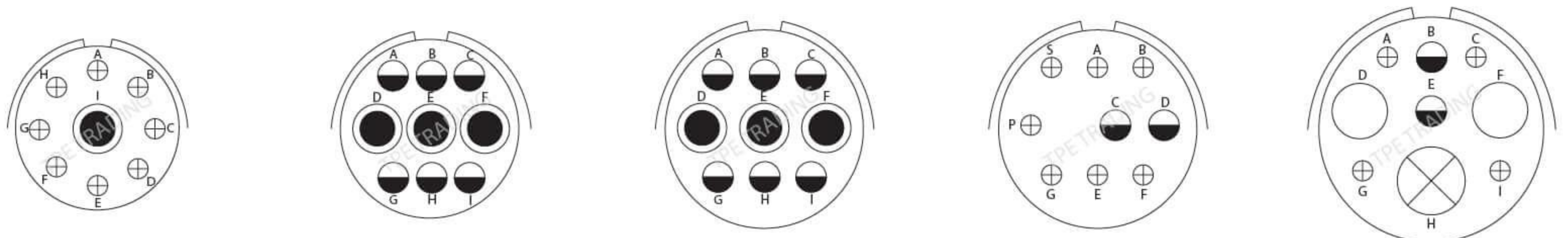


Insert Arrangement	22-36	24-6	32-15
Contact Size - No. of Contacts	#12-8	#12-8	#16-6, #0-2
Service Rating	D(H) / A(All Others)	D(A,G,H) / A(All Others)	D

9 CONTACTS

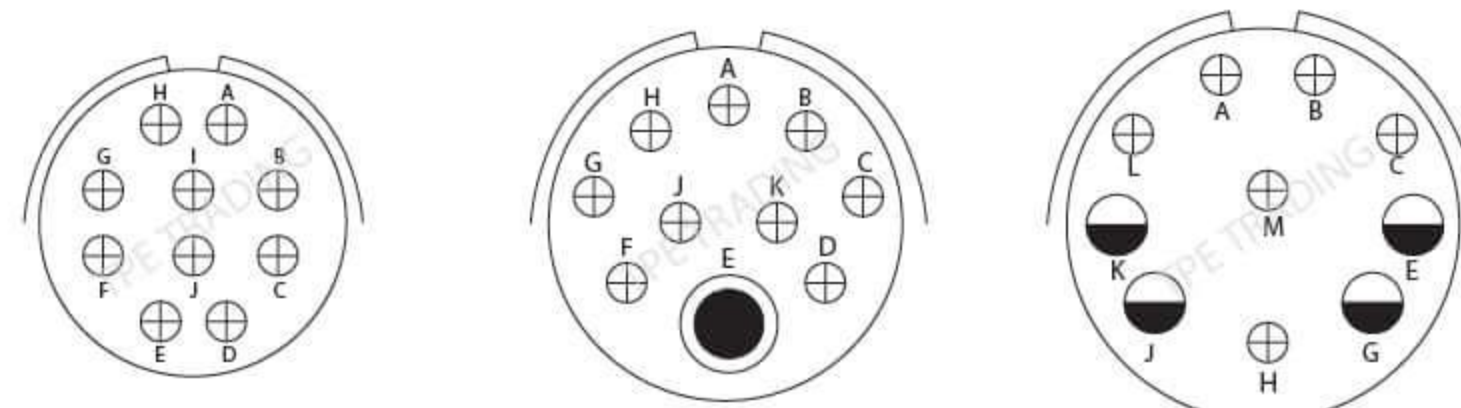


Insert Arrangement	20-16	20-18	20-21	22-16	22-17	22-20
Contact Size - No. of Contacts	#16-7, #12-2	#16-6, #12-3	#16-8, #12-1	#16-6, #12-3	#16-8, #12-1	#16-9
Service Rating	A	A	A	A	D(A)/ A(All Others)	A



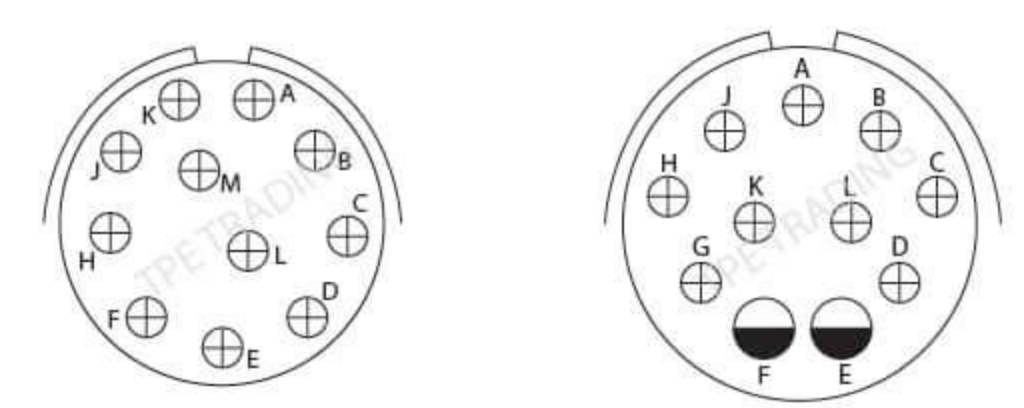
Insert Arrangement	22-27	24-11	28-1	28-4	32-3
Contact Size - No. of Contacts	#16-8, #8-1	#12-6, #8-3	#12-6, #8-3	#16-7, #12-2	#16-4, #12-2, #4-2, #0-1
Service Rating	D(J) / A(All Others)	A	D(A,I,E) / A(Bal.)	E(G,P,S) / D(Bal.)	D

10 CONTACTS



Insert Arrangement	18-1	24-21	28-19	20-33	24-20
Contact Size - No. of Contacts	#16-10	#16-9, #8-1	#16-6, #12-4	#16-11	#16-9, #12-2
Service Rating	A(B,C,F,G)/ Inst.(All Others)	D	B(H,M)/D(A,B) A(All Others)	A	D

11 CONTACTS



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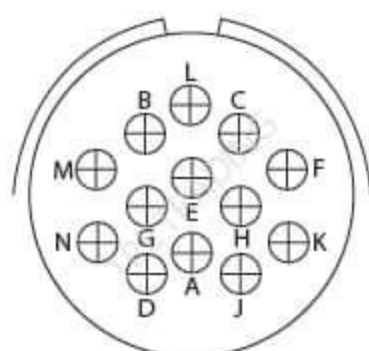
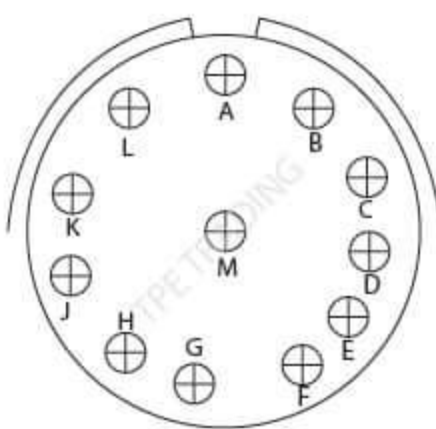
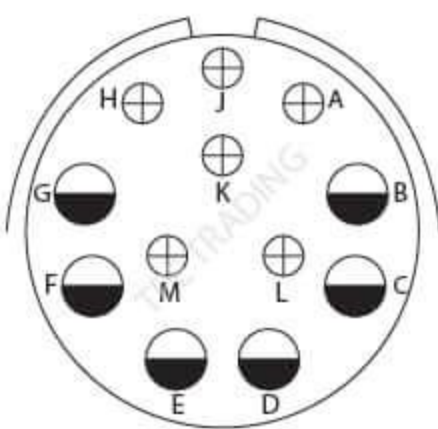
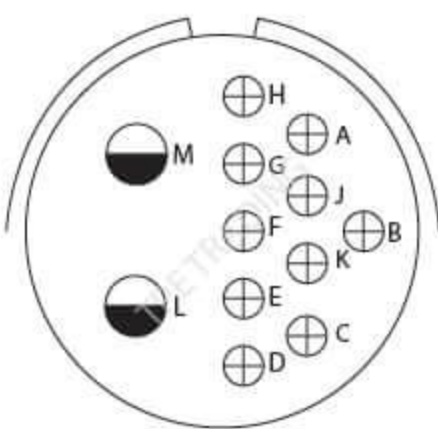
Front face of pin insert or rear face of socket insert illustrated.

CONTACT LEGEND



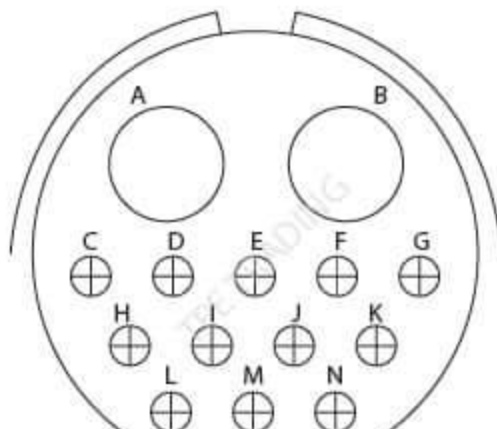
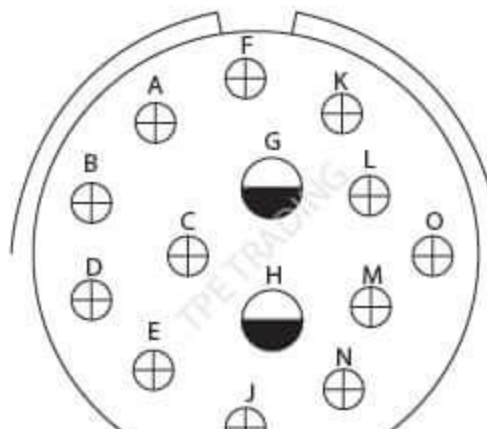
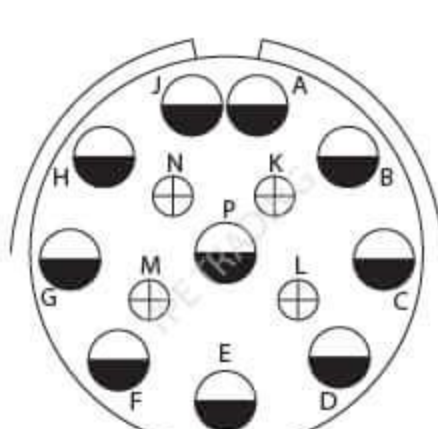
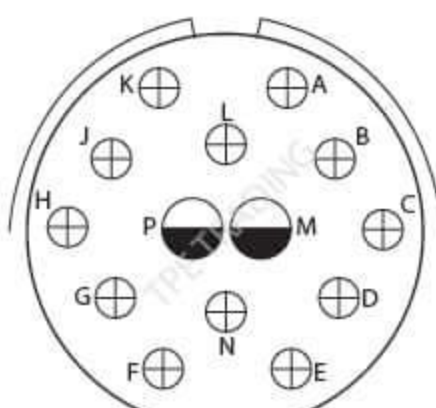
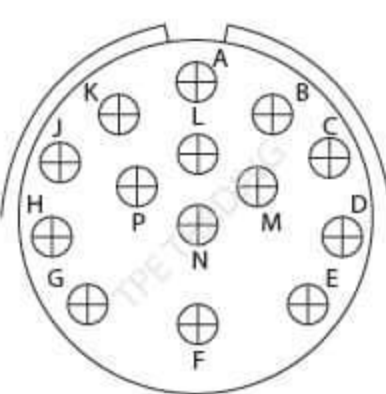
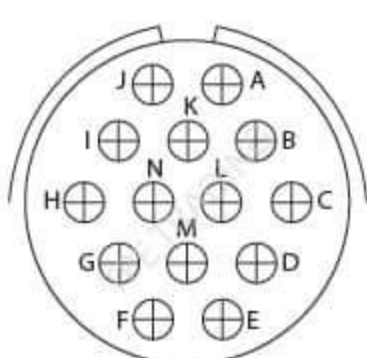
12 CONTACT

13 CONTACT



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.

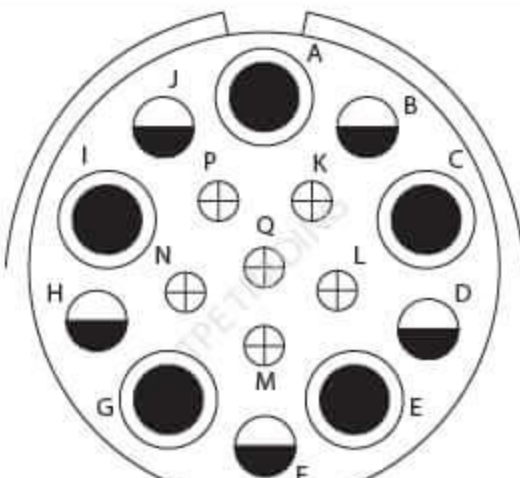
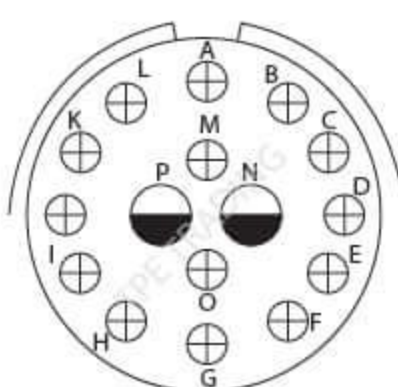
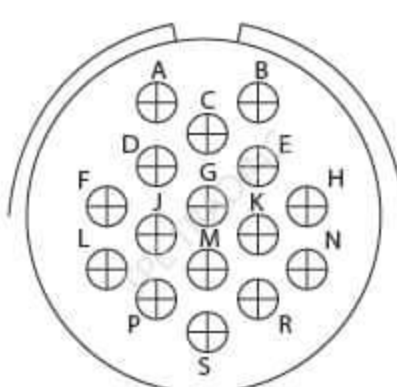
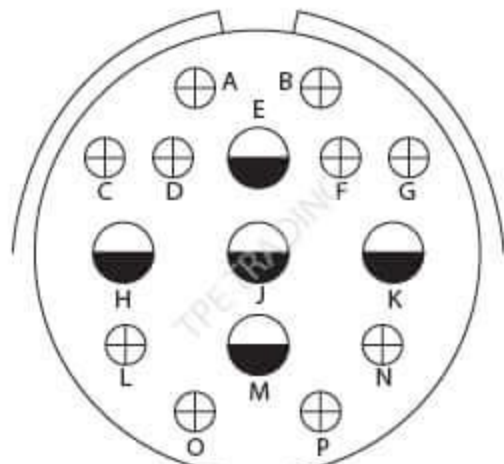
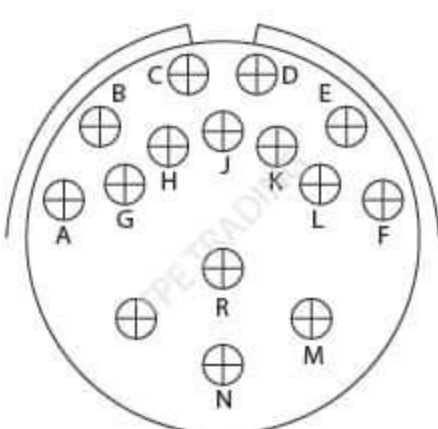
14 CONTACT



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 CONTACT

16 CONTACT

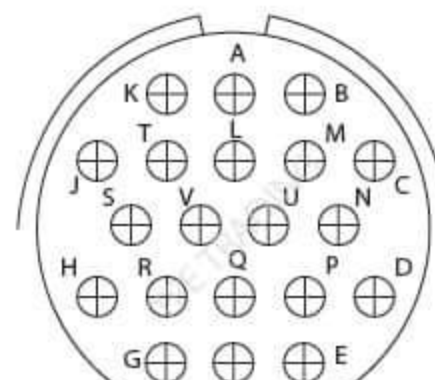
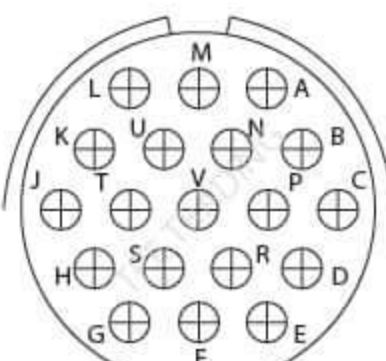
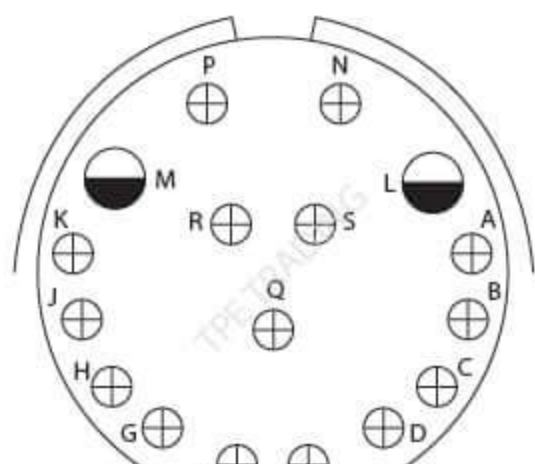
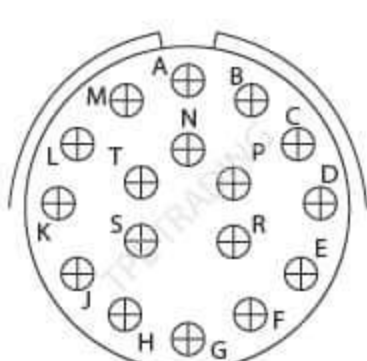


Insert Arrangement	28-17	32-12	24-5	24-7	36-14
Contact Size - No. of Contacts	#16-15	#16-10, #12-5	#16-16	#16-14, #12-2	#16-16, #12-5, #8-5
Service Rating	B(R) D(M,N,P) / A(All Others)	A(C,D,E,F,G) / D(Bal.)	A	A	D

17 CONTACT

19 CONTACT

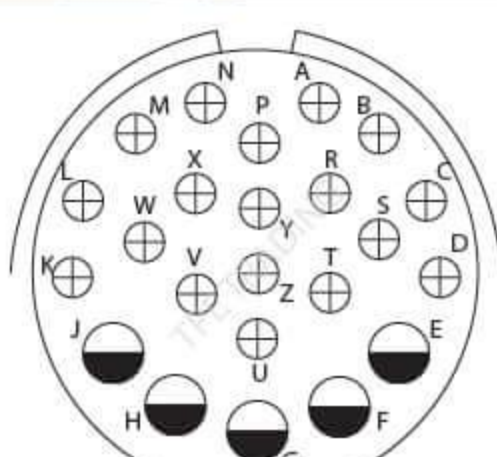
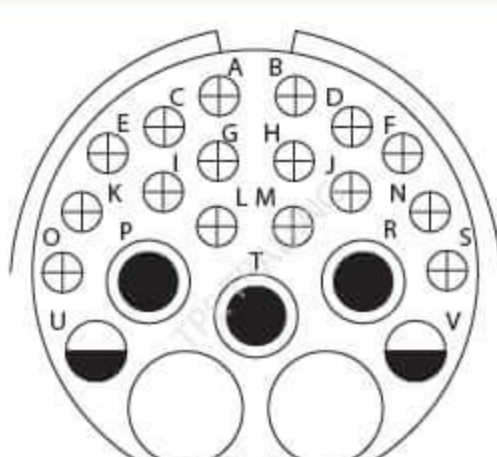
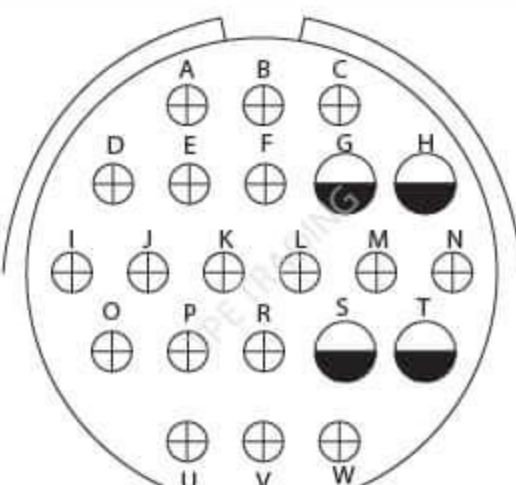
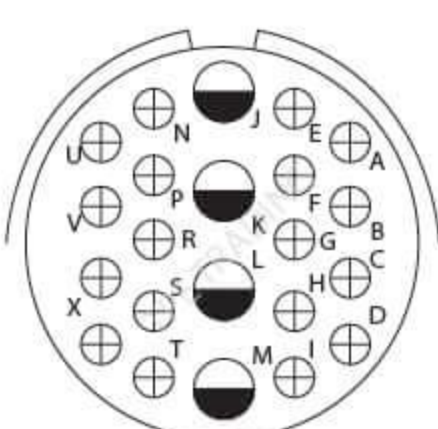
20 CONTACT



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 CONTACT

23 CONTACT



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

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Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

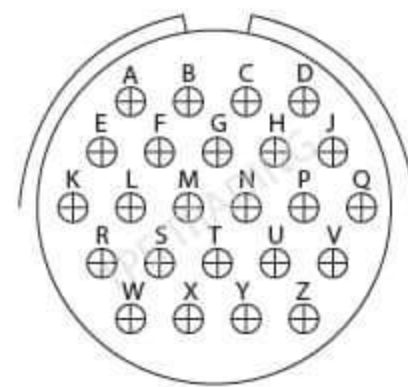
CONTACT ARRANGEMENT

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

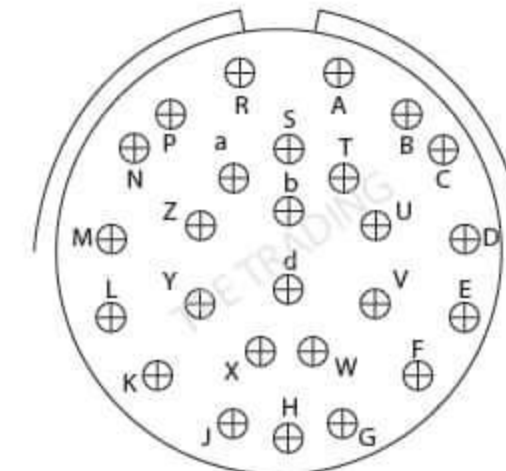
CONTACT LEGEND



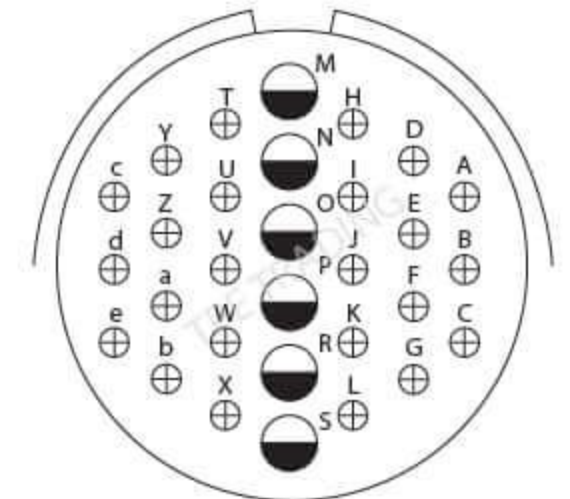
24 CONTACT



26 CONTACT

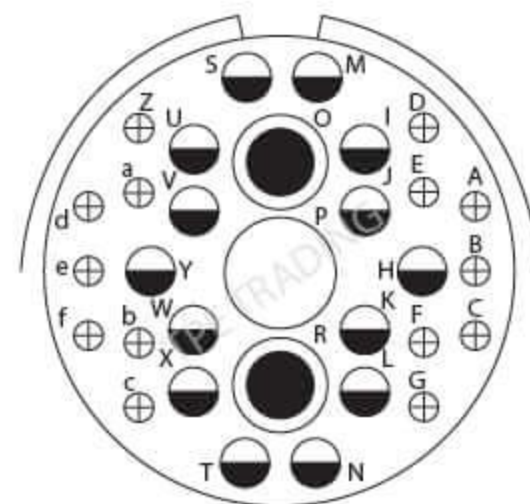


30 CONTACT

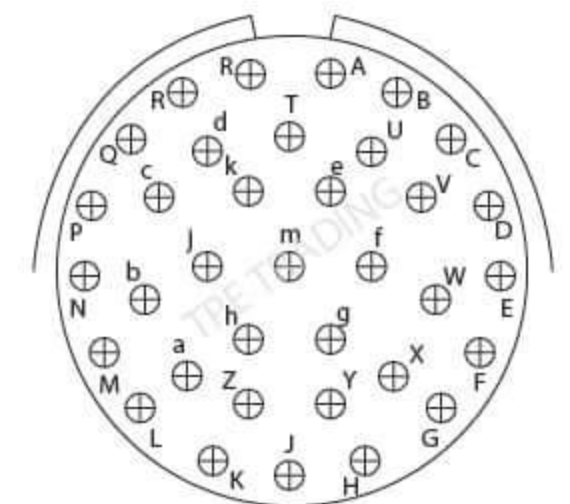
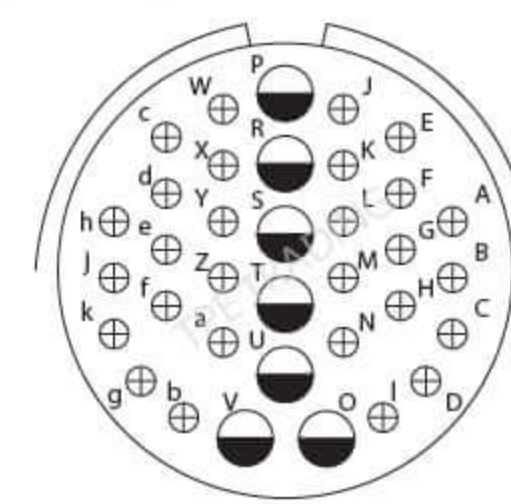
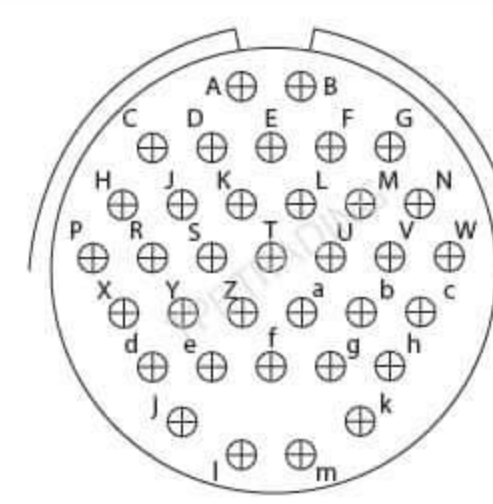


Insert Arrangement	24-28	28-12	36-9
Contact Size - No. of Contacts	#16-24	#16-26	#16-24, #12-6
Service Rating	Inst.	A	A

31 CONTACT

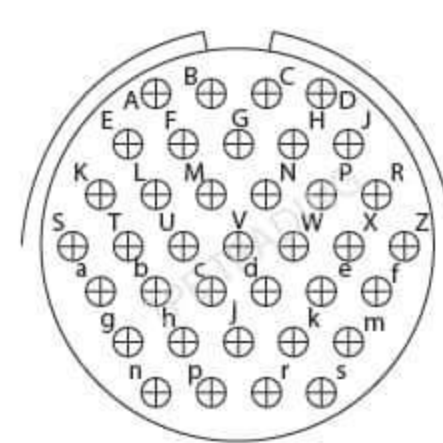


35 CONTACT

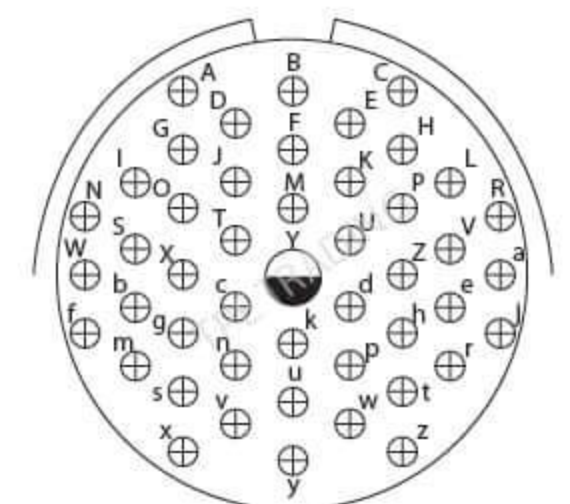
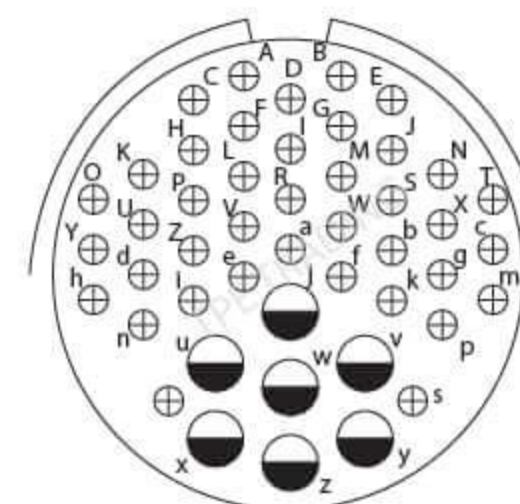


Insert Arrangement	36-9	28-15	32-7	36-15
Contact Size - No. of Contacts	#16-14, #12-14, #8-2, #4-1	#16-35	#16-28, #12-7	#16-35
Service Rating	A	A	Inst. (A,B,h,j)/ A(All Others)	D(M) / A(All Others)

37 CONTACT

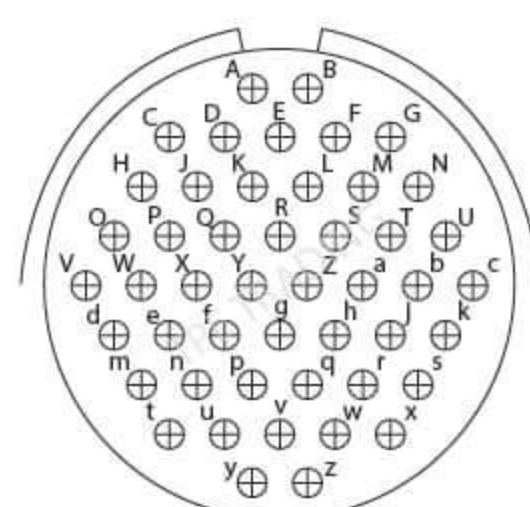


47 CONTACT

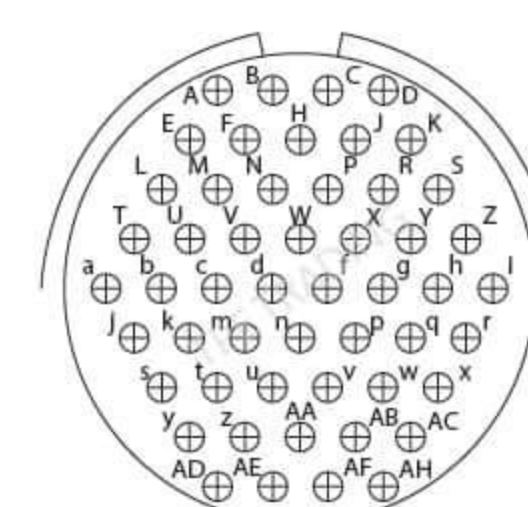


Insert Arrangement	28-21	36-7	36-8
Contact Size - No. of Contacts	#16-37	#16-40, #12-7	#16-46, #12-1
Service Rating	A	A	A

48 CONTACT



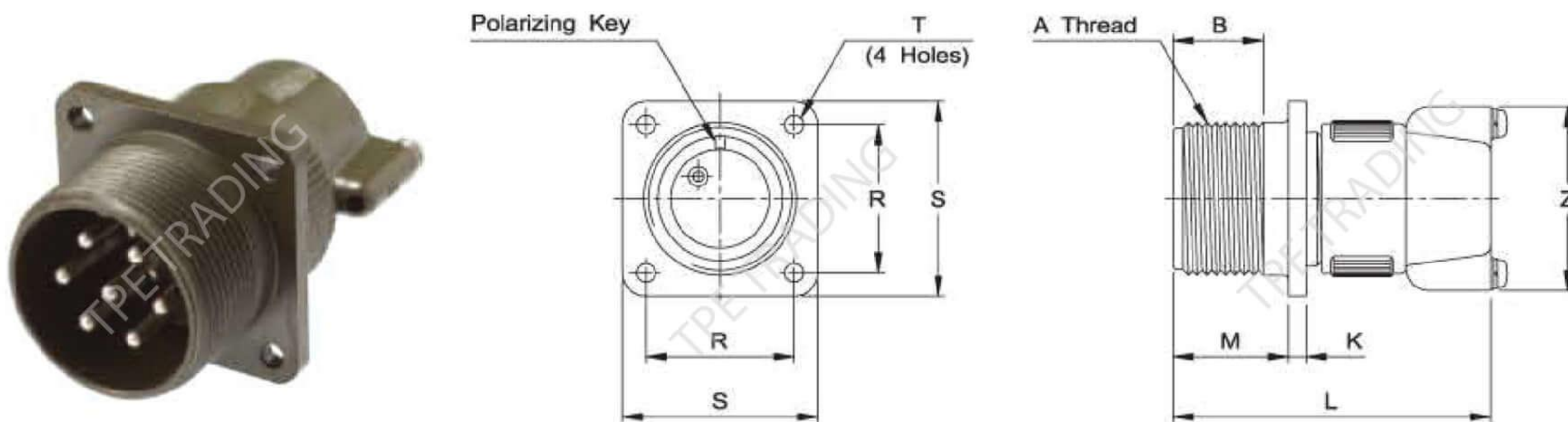
52 CONTACT



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

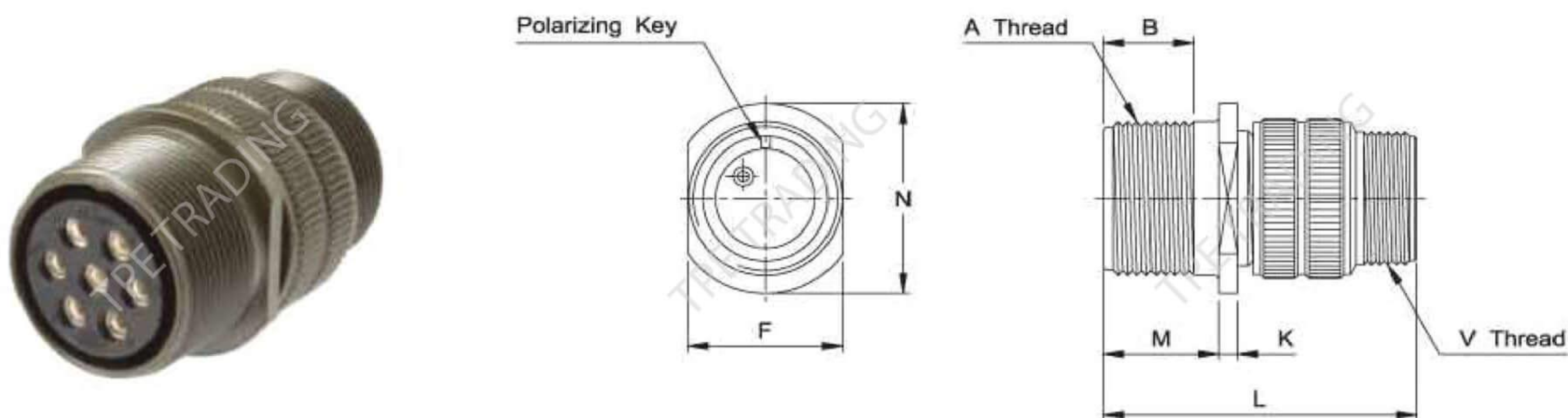
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Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

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



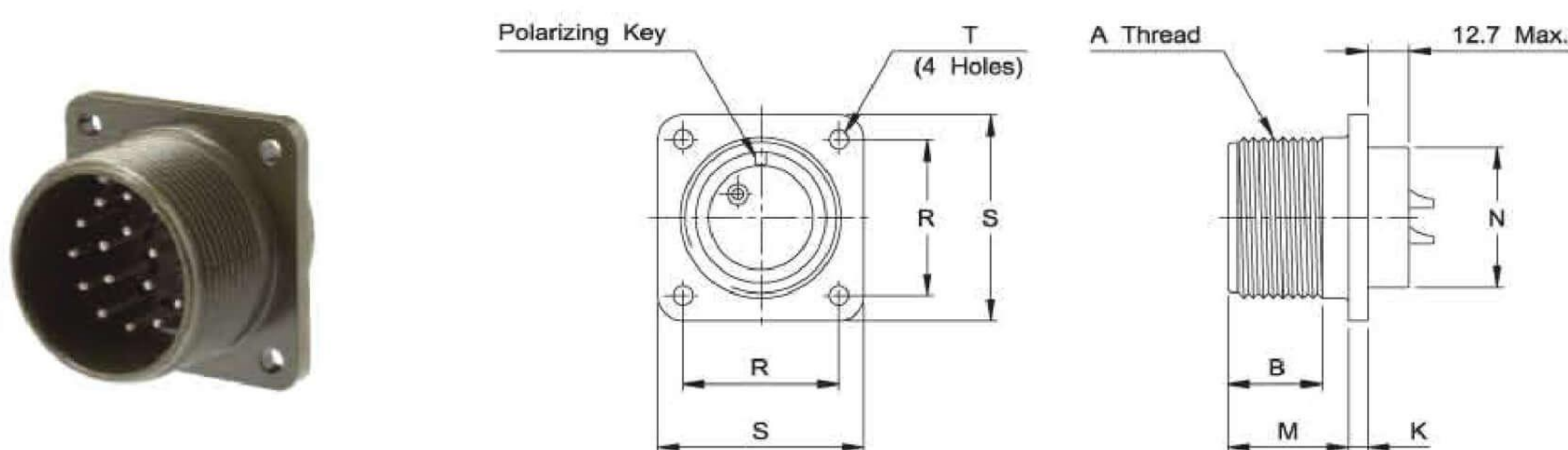
Part No.	A Thread Class 2A	B min	F Ref.	K min/max	L Ref	M +0.79 -0.00	N dia. max	V Thread Class 2A
I/MS3101A 10SL-*	5/8-24 UNEF	9.53	16.66	1.58/3.96	38.88	14.28	24.61	5/8-24 UNEF
I/MS3101A 12S-*	3/4-20 UNEF	9.53	19.43	1.58/3.96	42.87	14.28	26.97	5/8-24 UNEF
I/MS3101A 14S-*	7/8-20 UNEF	9.53	22.61	1.58/3.96	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

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ส่วนลดโปรดติดต่อฝ่ายขาย Tel 02-027-7841, 095-543-5665

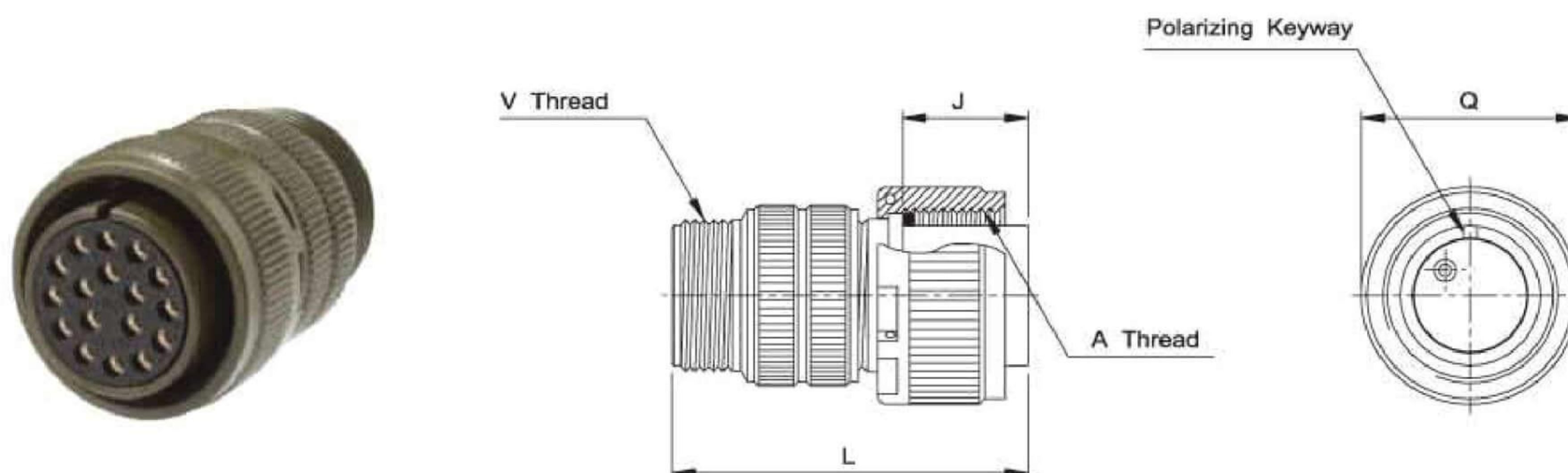
Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

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



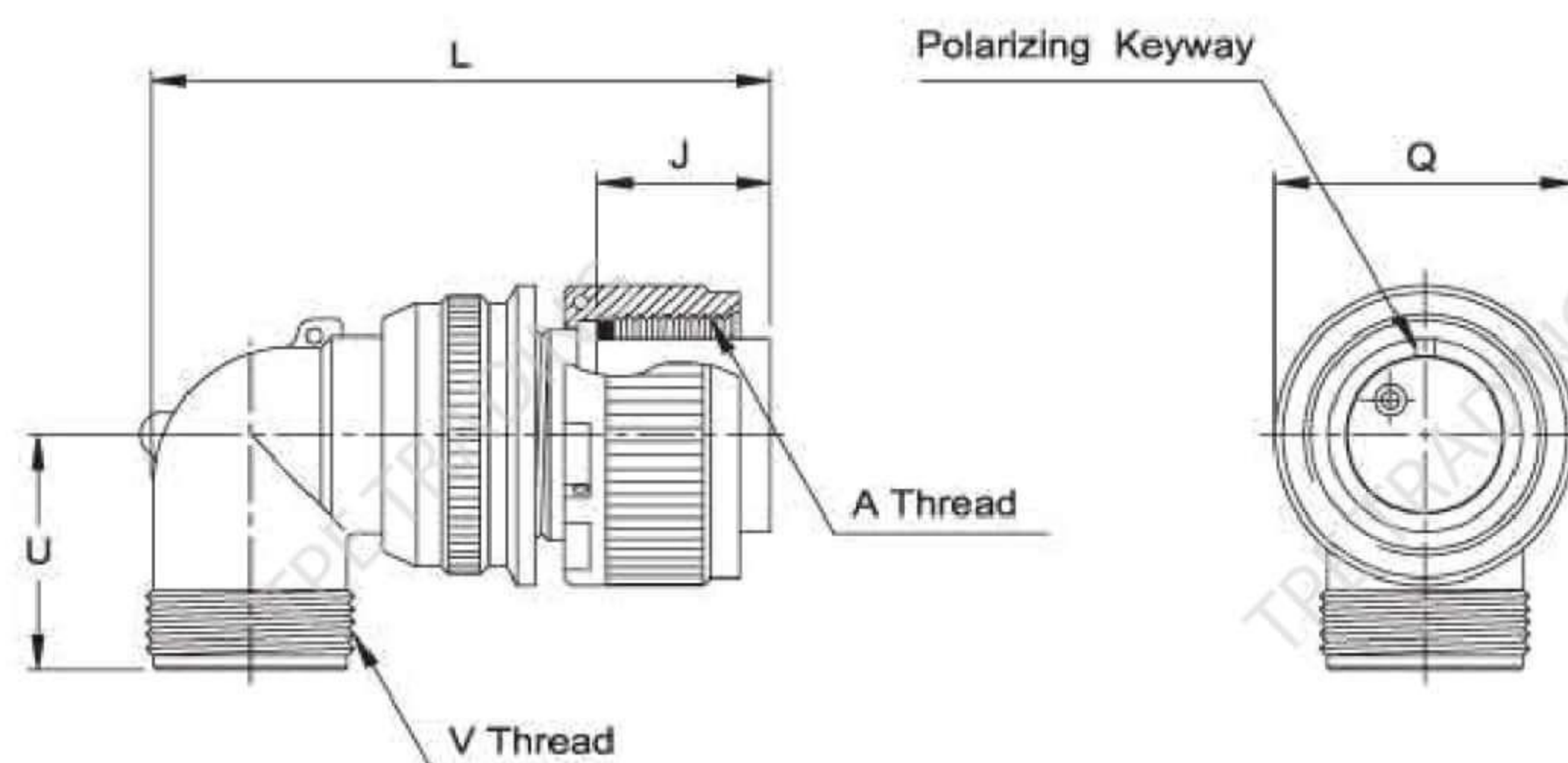
Part No.	A Thread Class 2B	J ±0.12	L Ref.	Q dia. Ref.	V Thread Class 2A
I/MS3106A 10SL-*	5/8-24 UNEF	13.49	38.88	24.61	5/8-24 UNEF
I/MS3106A 12S-*	3/4-20 UNEF	13.49	42.87	26.97	5/8-24 UNEF
I/MS3106A 14S-*	7/8-20 UNEF	13.49	42.87	29.36	3/4-20 UNEF
I/MS3106A 16S-*	1-20 UNEF	13.49	42.87	31.75	7/8-20 UNEF
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

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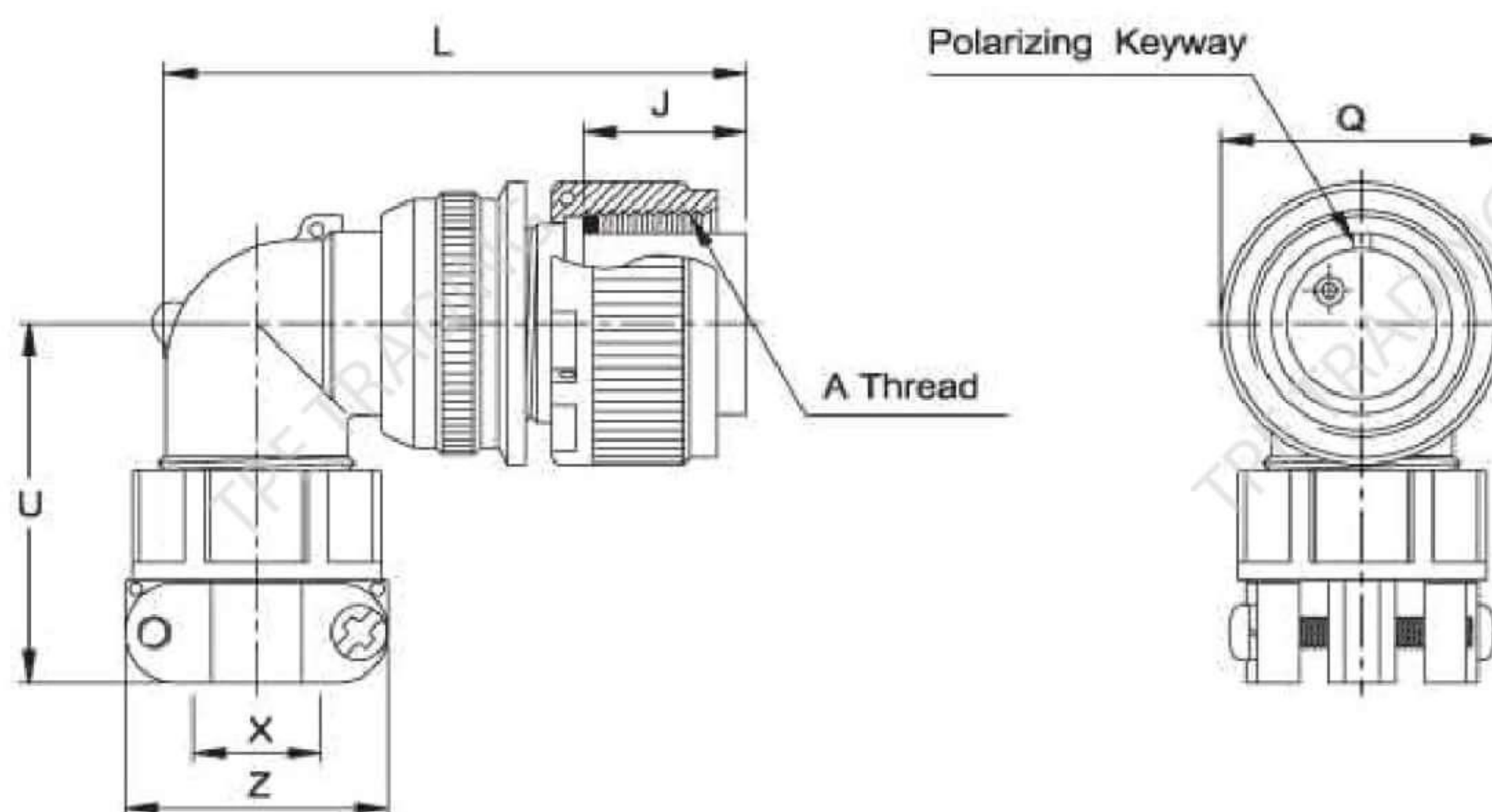
Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

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



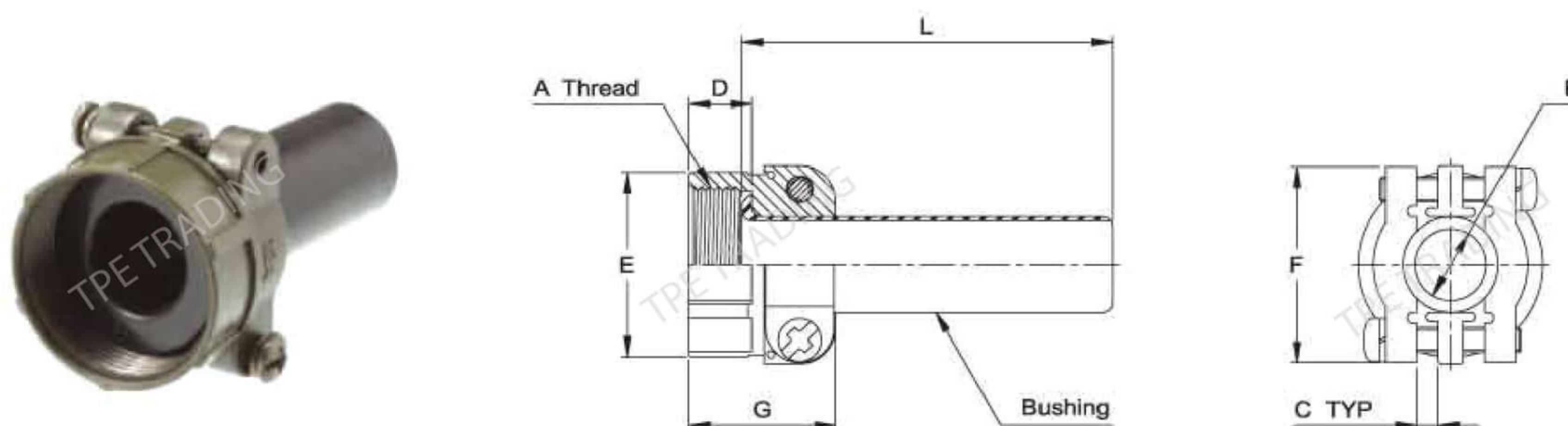
Part No.	A Thread Class 2B	J ±0.12	L max	Q dia. Ref.	U max.	X dia (Free) max.	Z ±0.78
I/MS3108E/R 10SL-*	5/8-24 UNEF	13.49	46.02	24.61	38.30	7.92	22.23
I/MS3108E/R 12S-*	3/4-20 UNEF	13.49	50.80	26.97	38.30	7.92	22.23
I/MS3108E/R 14S-*	7/8-20 UNEF	13.49	53.97	29.36	44.45	11.13	26.97
I/MS3108E/R 16S-*	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

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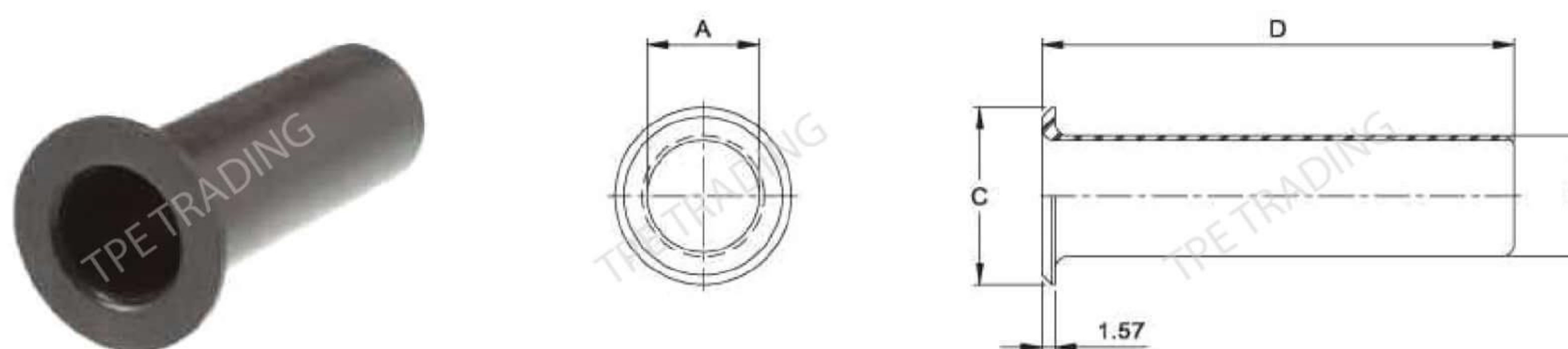
Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

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



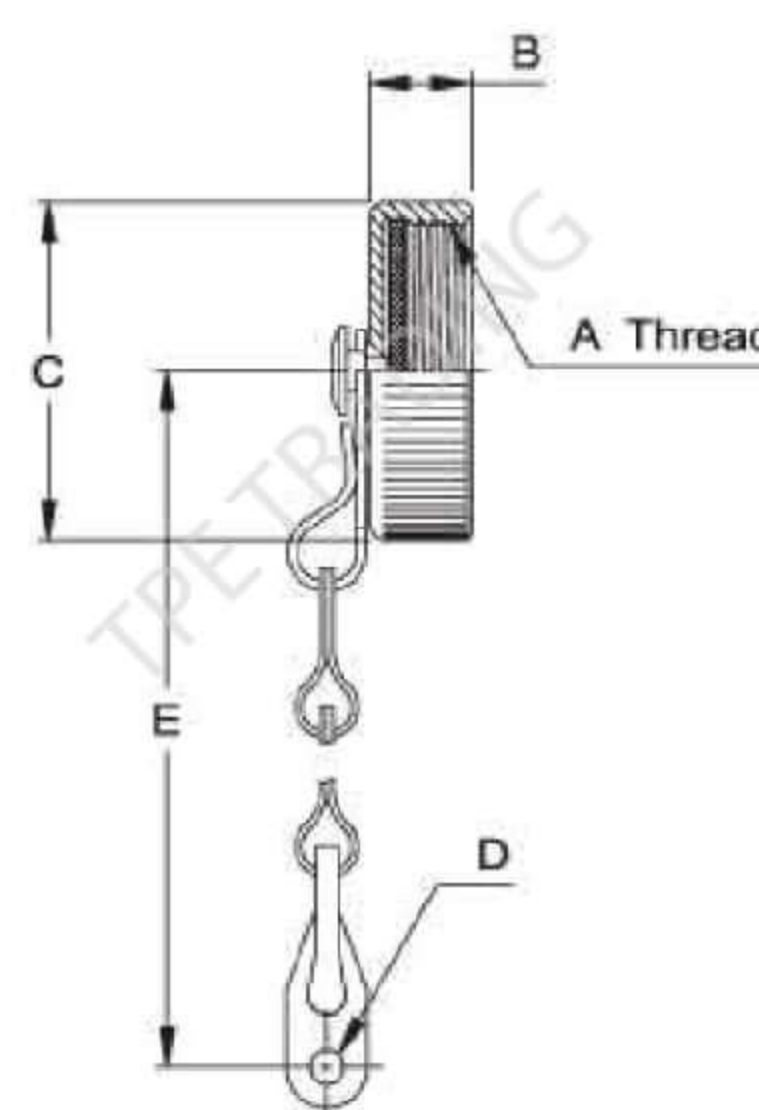
Part No.	Connector Shell Size	A dia. ± 0.41	B dia. ± 0.41	C dia. ± 0.41	D ± 0.41	Cable Clamp Ref.
I/MS3420 - 4	10SL, 12S & 12	5.59	7.67	12.83	69.85	MS3057 - 4A
I/MS3420 - 6	14S & 14	7.92	10.85	15.72	66.68	MS3057 - 6A
I/MS3420 - 8	16S & 16	11.10	14.02	18.90	63.50	MS3057 - 8A
I/MS3420 - 10	18	14.27	15.62	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

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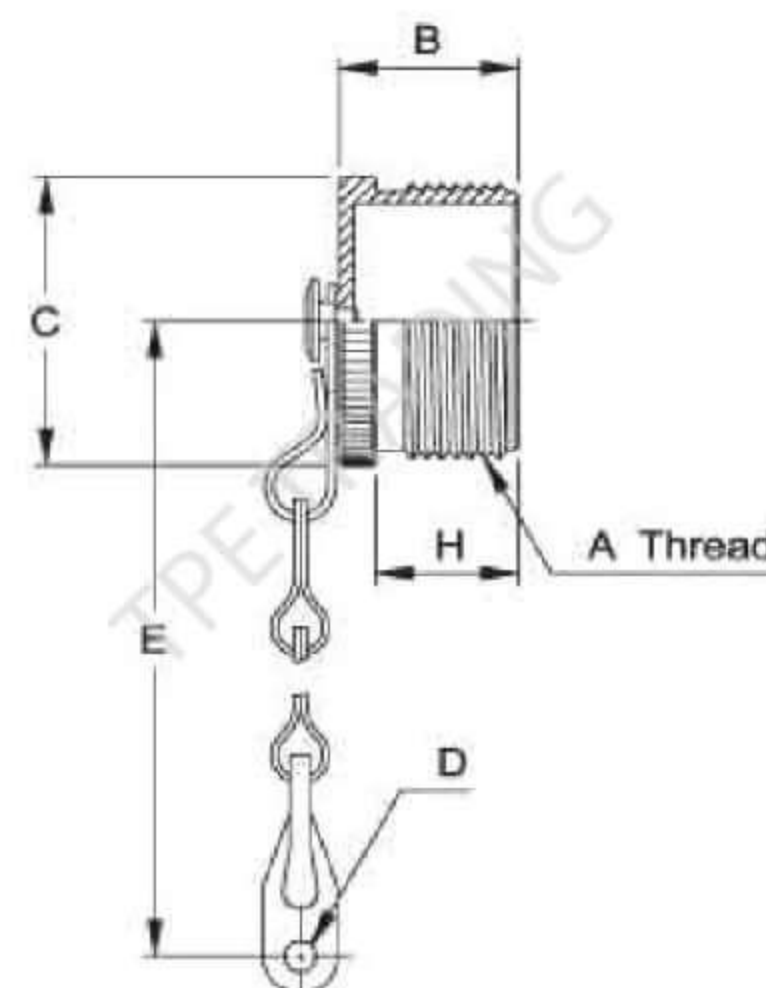
Email : sales.tpetrading@gmail.com / ID Line : @tpetrading

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

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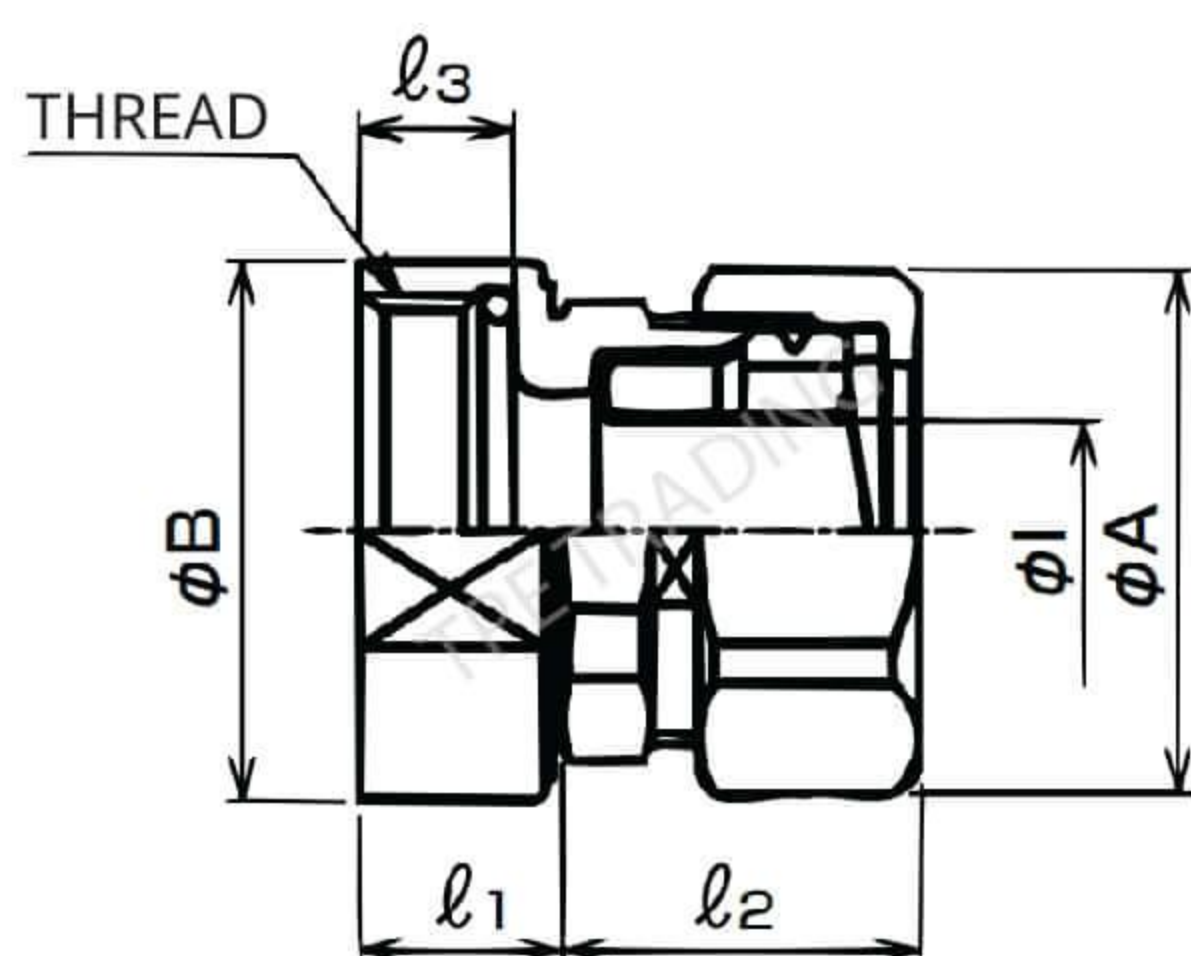
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KM Series Coupling for MS Connector

Product Overview



TEMP

-20°C
TO
90°C

APPROVAL



Material	ZDC2, Electroplated Zinc Surface.
Features	- Straight combination coupling - Designed for MS connector (Backshell assembled type.) - Must be fully tightened on MS connector with a tool. (Supertool MFT68A : Recommended) - Tensile strength classification between connectable Keiflex and combination coupling Combination coupling nominal size 10 : 500N (Medium by JIS) Combination coupling nominal size 12 to 54 (Heavy by JIS)

Part No.	Connectable KEIFLEX	Max Cable O.D.	ØA	ØB	ØI	l1	l2	l3	Shell Size	Thread ASME B1.1	Weight (g/PCS)
KMKM-1010	10	8	27.5	19.7	8.50	12.8	20.0	10.3	10SL-12S	5/8 - 24UNEF-2B	44
KMKM-1014	10	8	27.5	23.4	8.50	12.8	20.0	10.3	14S	3/4 - 20UNEF-2B	47
KMKM-1016	10	8	27.5	26.6	8.50	12.8	20.0	10.3	16/16S	7/8 - 20UNEF-2B	50
KMKM-1018	10	8	27.5	30.0	8.50	12.8	20.0	10.3	18	1 - 20UNEF-2B	55
KMKM-1210	12	10	30.4	19.7	10.8	12.8	21.0	10.3	10SL-12S	5/8 - 24UNEF-2B	50
KMKM-1214	12	10	30.4	23.4	10.8	12.8	21.0	10.3	14S	3/4 - 20UNEF-2B	55
KMKM-1216	12	10	30.4	26.6	10.8	12.8	21.0	10.3	16/16S	7/8 - 20UNEF-2B	55
KMKM-1218	12	10	30.4	30.0	10.8	12.8	21.0	10.3	18	1 - 20UNEF-2B	60
KMKM-1220	12	10	30.4	34.7	10.8	12.8	21.0	10.3	20/22	1-3/16 - 18UNEF-2B	70
KMKM-1224	12	10	30.4	41.1	10.8	12.8	21.0	10.3	24/28	1-7/16 - 18UNEF-2B	72
KMKM-1614	16	13	34.2	23.4	14.3	12.8	21.0	10.3	14S	3/4 - 20UNEF-2B	65
KMKM-1616	16	13	34.2	26.6	14.3	12.8	21.0	10.3	16/16S	7/8 - 20UNEF-2B	65
KMKM-1618	16	13	34.2	30.0	14.3	12.8	21.0	10.3	18	1 - 20UNEF-2B	70
KMKM-1620	16	13	34.2	34.7	14.3	12.8	21.0	10.3	20/22	1-3/16 - 18UNEF-2B	65
KMKM-1624	16	13	34.2	41.1	14.3	12.8	21.0	10.3	24/28	1-7/16 - 18UNEF-2B	85
KMKM-2216	22	17	41.5	26.6	17.9	12.8	24.0	10.3	16/16S	7/8 - 20UNEF-2B	94
KMKM-2218	22	18	41.5	30.0	19.3	12.8	24.0	10.3	18	1 - 20UNEF-2B	100
KMKM-2220	22	18	41.5	34.7	19.3	12.8	24.0	10.3	20/22	1-3/16 - 18UNEF-2B	100
KMKM-2224	22	18	41.5	41.1	19.3	12.8	24.0	10.3	24/28	1-7/16 - 18UNEF-2B	110
KMKM-2232	22	18	41.5	49.2	19.3	14.4	24.0	11.9	32	1-3/4 - 18UNS-2B	130
KMKM-2236	22	18	41.5	55.6	19.3	16.0	24.0	11.0	36	2 - 18UNS-2B	140
KMKM-2818	28	20	48.3	30.0	20.9	12.8	26.0	10.3	18	1 - 20UNEF-2B	132
KMKM-2820	28	24	48.3	34.7	24.9	12.8	26.0	10.3	20/22	1-3/16 - 18UNEF-2B	130
KMKM-2824	28	24	48.3	41.1	24.9	12.8	26.0	10.3	24/28	1-7/16 - 18UNEF-2B	130
KMKM-2832	28	24	48.3	49.2	24.9	14.4	26.0	11.9	32	1-3/4 - 18UNS-2B	150
KMKM-2836	28	24	48.3	55.6	24.9	16.0	26.0	11.0	36	2 - 18UNS-2B	170
KMKM-3620	36	24	58.8	34.7	24.9	12.8	29.0	10.3	20/22	1-3/16 - 18UNEF-2B	191
KMKM-3624	36	30	58.8	41.1	30.9	12.8	29.0	10.3	24/28	1-7/16 - 18UNEF-2B	190
KMKM-3632	36	33	58.8	49.2	34.5	14.4	29.0	11.9	32	1-3/4 - 18UNS-2B	190
KMKM-3636	36	33	58.8	55.6	34.5	16.0	29.0	11.0	36	2 - 18UNS-2B	210
KMKM-4232	42	37	66.8	49.2	38.2	14.4	31.0	11.9	32	1-3/4 - 18UNS-2B	260
KMKM-4236	42	37	66.8	55.6	38.2	16.0	31.0	11.0	36	2 - 18UNS-2B	269
KMKM-4240	42	37	66.8	69.1	38.2	8.9	32.0	13.5	40	2-1/4 - 16UN-2B	270
KMKM-4248	42	37	66.8	85.0	38.2	12.3	32.0	16.9	48	3 - 16UN-2B	300
KMKM-5436	54	44	80.0	55.6	44.9	16.0	33.0	11.0	36	2 - 18UNS-2B	354
KMKM-5440	54	49	80.0	62.0	49.5	16.0	33.0	13.5	40	2-1/4 - 16UN-2B	
KMKM-5448	54	49	80.0	80.6	49.5	19.4	33.0	16.9	48	3 - 16UN-2B	383

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