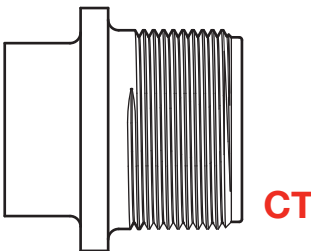


CREATE PART NUMBER								
1	2	3	4	5	6	7	8	9
CT	6	E		10SL-3	P		S	
CONNECTOR TYPE	SHELL STYLE	END BELLS (If omitting endbell, enter -)	CABLE CLAMP/BOOT (If needed)	LAYOUT	CONTACT	POSITION (omit for normal)	CONTACT TYPE	PLATING

➞ See page 150 for ITT Cannon order codes.

STEP 1: SELECT CONNECTOR TYPE

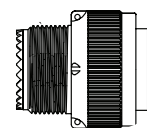


STEP 2: SELECT SHELL STYLE, PLUG OR RECEPTACLE

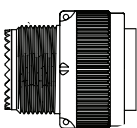
PLUGS

Mates with

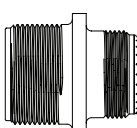
RECEPTACLES



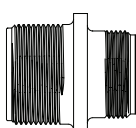
6 Standard



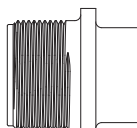
G6 Grounding Finger
Barrel (EMI/RFI)



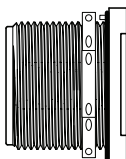
0 Wall Mount



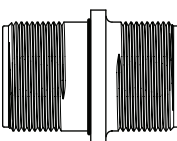
1 Cable Mount



2 Box Mount



7 Jam Nut

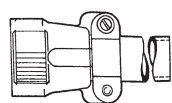


9 Thru Bulkhead

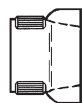
STEP 3: CHOOSE ENDBELLS

➔ See "Endbells" on pages 140-142 for a description of each endbell.

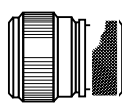
Mates with



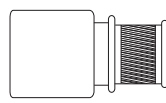
E
Standard Clamp (MS)



R
No Clamp (MS)



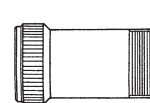
N
Heat Shrink



U/D
Low Cost for Shielded for Unshielded Cable
U - Potted (preferred)
D - Uses grommets and ferrules



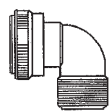
M
Shielded Cable



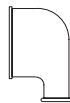
L
Long Extender



F
Standard Extender



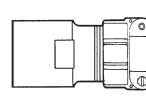
T
90° (MS)



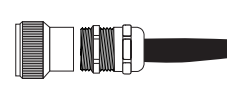
TP
Right Angle Endbell



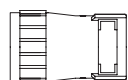
P
Potting (MS)



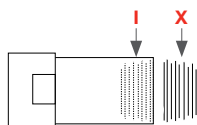
J
Gland Seal



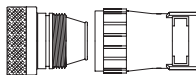
PG[▲]
Low-Cost Gland Seal



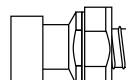
PMA[▲]
Conduit
➔ see pages 202-203



NPT (I OR X)[▲]
I - Internal thread version
X - External thread version



PME[▲]
Shielded Conduit
➔ see pages 202-203



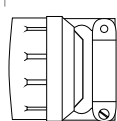
ST[▲]
Conduit

STEP 4: CHOOSE CABLE CLAMPS (IF APPLICABLE)

For Endbell Types: **N U/D M**

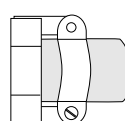


Heat Shrink Boot
➔ See pages 196-201

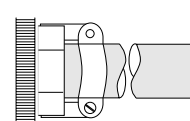


C
MS-3057-C

For Endbell Types: **L F T**



A
MS-3057-A



9767[▲]

STEP 5: CHOOSE LAYOUT

➔ See pages 116-129

STEP 6: CHOOSE CONTACT

P = Pin

S = Socket

PS = Style 9 only

STEP 7: CHOOSE ROTATION

➔ See pages 121-127

W **X** **Y** **Z**

STEP 8: CHOOSE CONTACT TYPE

S = Solder

C = Crimp*

H = PC**

0 = Less contacts

STEP 9: CHOOSE PLATING

CONTACTS:

Omit for silver contacts

SHELLS

Omit for standard***

AU = Gold

F127 = Less Pre-filled Solder Cups

A71 = Electroless Nickel

A206 = Conductive Black Zinc Cobalt (RoHS)

* When using a "C" in part number, the connector is supplied with the standard size crimp contacts for its layout (part number marked with "G#" in crimp Contact Selection Chart on ➔ page 130. If reduced or enlarged crimp contacts are required, specify connector 0 (less contacts) and order contacts separately.

** Contact us for PC post diameters and lengths. Available for 16S, 16 and 12 size contacts.

▲Contact us with NPT thread size, Sealtite conduit diameter or cable OD for D, NPT, ST, PG or endbell part number.

***CT = Olive drab chromate over cadmium.

LAYOUTS BY NUMBER OF CONTACTS

Key ▼ = CA/MS ● = CB

View from mating face of pin insulator
(socket view is opposite)

* = most popular layouts

1 CONTACT

LAYOUT	8S-1	10S-2	12S-4	12-5	14S-4	16-12	18-6	18-7	20-2	22-7
# OF CONTACTS	1-#16	1-#16	1-#16	1-#12	1-#16	1-#4	1-#4	1-#8	1-#0	1-#0
SERIES	▼	▼	▼●	▼	●	▼●	●	▼●	▼●	▼●
SERVICE RATING	A	A	D	D	D	A	D	B	D	E

2 CONTACTS

LAYOUT	10SL-4*	12S-3*	14S-9*	16S-4	16-11	18-3	20-23	
# OF CONTACTS	2-#16	2-#16	2-#16	2-#16	2-#12	2-#12	2-#8	
SERIES	▼●	▼●	▼●	▼●	▼●	▼●	▼●	
SERVICE RATING	A	A	D	A	A	D	A	

LAYOUT	22-1	22-8	22-11	24-9	28-7	32-5		
# OF CONTACTS	2-#8	2-#12	2-#16	2-#4	2-#4	2-#0		
SERIES	●	▼●	▼	▼●	▼	▼●		
SERVICE RATING	D	E	B	A	D	D		

3 CONTACTS

LAYOUT	10SL-3*	14S-1	14S-7*	16S-5	16S-6	16-7	16-10*	18-5	18-21
# OF CONTACTS	3-#16	3-#16	3-#16	3-#16	3-#16	2-#16; 1-#8	3-#12	1-#16; 2-#12	3-#12
SERIES	▼●	▼●	▼●	▼●	▼●	●	▼●	▼●	●
SERVICE RATING	A	A	A	A	A	A	A	D	D

LAYOUT	20-3	20-6	20-19	22-2	22-6	22-9	22-21	36-4	
# OF CONTACTS	3-#12	3-#16	3-#8	3-#8	1-#16; 2-#8	3-#12	2-#16; 1-#0	3-#0	
SERIES	▼●	●	▼●	▼●	▼	▼●	●	▼	
SERVICE RATING	D	D	A	D	D	E	A	D(A); A(B,C)	

4 CONTACTS

LAYOUT	12SA-10	14S-2*	16-9	18-4*	18-10*	18-13	20-4*	20-24
# OF CONTACTS	4-#16	4-#16	2-#16; 2-#12	4-#16	4-#12	3-#12; 1-#8	4-#12	2-#16; 2-#8
SERIES	▼●	▼●	▼●	▼●	▼●	▼●	▼●	▼●
SERVICE RATING	I	I	A	D	A	A	D	A

LAYOUTS BY NUMBER OF CONTACTS

Key ▼ = CA/MS ● = CB

View from mating face of pin insulator
(socket view is opposite)

* = most popular layouts

4 CONTACTS

LAYOUT	22-10	22-22*	24-4	24-22*	32-17	36-5
# OF CONTACTS	4-#16	4-#8	3-#16; 1-#0	4-#8	4-#4	4-#0
SERIES	▼●	▼●	●	▼●	▼●	▼●
SERVICE RATING	E	A	D	D	D	A

5 CONTACTS

LAYOUT	10SLA4	14S-5*	16S-8*	18-11*	18-20	20-14	22-12	22-13	24-12
# OF CONTACTS	5-#20	5-#16	5-#16	5-#12	5-#16	3-#12; 2-#8	3-#16; 2-#8	1-#16; 4-#12	3-#12; 2-#4
SERIES	▼●	▼●	▼●	▼●	●	▼●	▼●	▼●	▼●
SERVICE RATING	A	I	A	A	A	A	D	A(A,D); D(E)	A

5 CONTACTS

6 CONTACTS

LAYOUT	28-5	32-1	14S-6*	18-12	20-8	20-17	20-22
# OF CONTACTS	2-#16; 1-#12; 2-#4	3-#12; 2-#0	6-#16	6-#16	4-#16; 2-#8	1-#16; 5-#12	3-#16; 3-#8
SERIES	▼●	▼●	▼●	▼●	▼●	▼●	▼●
SERVICE RATING	D	E(A); D(balance)	I	A	I	A	A

LAYOUT	22-5	22-15	28-22	36-3	36-6
# OF CONTACTS	4-#16; 2-#12	1-#16; 5-#12	3-#16; 3-#4	3-#12; 3-#0	4-#4; 2-#0
SERIES	▼●	▼●	▼●	▼●	▼●
SERVICE RATING	D	A(A,B,C,E,F); E(D)	D	D	A

7 CONTACTS

LAYOUT	14SA7	16S-1*	18-9	20-15*	22-28	24-2	24-10	24-27	28-10
# OF CONTACTS	7-#16	7-#16	5-#16; 2-#12	7-#12	7-#12	7-#12	7-#8	7-#16	3-#12; 2-#8; 2-#4
SERIES	▼●	▼●	▼●	▼●	▼●	▼●	▼●	▼●	▼●
SERVICE RATING	I	A	I	A	A	D	A	E	D(G); A(balance)

8 CONTACTS

LAYOUT	18-8*	20-7*	22-18	22-23	24-6	32-15	36A35
# OF CONTACTS	7-#16; 1-#12	8-#16	8-#16	8-#12	8-#12	6-#12; 2-#0	4-#16; 4-#0
SERIES	▼●	▼●	▼●	▼●	●	▼●	●
SERVICE RATING	A	A(C-F) D(balance)	A(C-E)	D(H); A(balance)	D(A,G,H); A(balance)	D	A

LAYOUTS BY NUMBER OF CONTACTS

Key ▼ = CA/MS ● = CB

View from mating face of pin insulator
(socket view is opposite)

* = most popular layouts

9 CONTACTS						
						
LAYOUT # OF CONTACTS SERIES SERVICE RATING	20A9 9-#12 ● D(J), all others I	20-16 7-#16; 2-#12 ▼ ● A	20-18* 6-#16; 3-#12 ▼ ● A	22-16 6-#16; 3-#12 ● A	22-17 8-#16; 1-#12 ▼ D(A); A(balance)	22-20 9-#16 ▼ ● A
						22-27 8-#16; 1-#8 ▼ ● D(J); A(balance)

9 CONTACTS			10 CONTACTS		
					
LAYOUT # OF CONTACTS SERIES SERVICE RATING	24-11* 6-#12; 3-#8 ▼ ● A	28-1 6-#12; 3-#8 ▼ D(A,E,J); A(balance)	28A16 5-#16; 4-#4 ▼ ● A	18-1* 10-#16 ▼ ● A(B,C,F,G); I(balance)	18-19 10-#16 ▼ ● A
					28-19 6-#16; 4-#12 ▼ ● A(C,E,G,J,K,L); B(H,M); D(A,B)

11 CONTACTS			12 CONTACTS			
						
LAYOUT # OF CONTACTS SERIES SERVICE RATING	20-33 11-#16 ▼ ● A	24-20 9-#16; 2-#12 ▼ ● D	28-14 11-#16 ▼ D	24-19 12-#16 ▼ ● A	24A24 12-#12 ▼ ● A	28-9 6-#16; 6-#12 ▼ ● D
						28-51 12-#12 ● D

13 CONTACTS		14 CONTACTS			
					
LAYOUT # OF CONTACTS SERIES SERVICE RATING	20-11 13-#16 ● I	20-27* 14-#16 ▼ A	22-19* 14-#16 ▼ ● A	28-2 12-#16; 2-#12 ▼ ● D	28-20 4-#16; 10-#12 ▼ ● A
					32-9 12-#16; 2-#4 ▼ ● D

15 CONTACTS		16 CONTACTS		
				
LAYOUT # OF CONTACTS SERIES SERVICE RATING	28-17* 15-#16 ● A(A-L); B(R); D(M-P)	24-5 16-#16 ▼ A	24-7* 14-#16; 2-#12 ▼ ● A	36-14 6-#16; 5-#12; 5-#8 ▼ ● D
				36A70 5-#16; 11-#4 ▼ ● -

LAYOUTS BY NUMBER OF CONTACTS

Key ▼ = CA/MS ● = CB

View from mating face of pin insulator
(socket view is opposite)

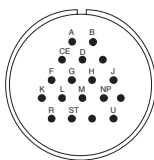
* = most popular layouts

17 CONTACTS



20-29*
17-#16
▼●
A

18 CONTACTS

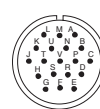


36A16
18-#12
▼
A

19 CONTACTS



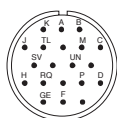
20A48
19-#16
●
I



22-14*
19-#16
▼●
A

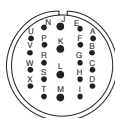
LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

20 CONTACTS



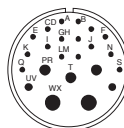
28-16
20-#16
▼●
A

22 CONTACTS

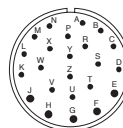


28-11*
18-#16; 4-#12
▼●
A

23 CONTACTS



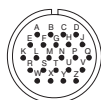
32-6
16-#16; 2-#12; 3-#8; 2-#4
▼●
A



32-13
18-#16; 5-#12
●
D

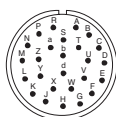
LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

24 CONTACTS



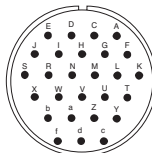
24-28*
24-#16
▼●
I

26 CONTACTS



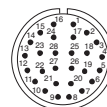
28-12*
26-#16
▼●
A

27 CONTACTS

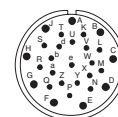


36A46
27-#12
▼●
A

28 CONTACTS



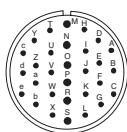
24A28
28-#16
●
I



28A63
9-#12; 19-#16
●
A

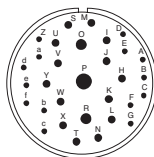
LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

30 CONTACTS



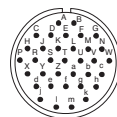
32-8
24-#16; 6-#12
▼●
A

31 CONTACTS

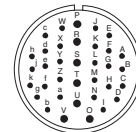


36-9
14-#16; 14-#12; 2-#8; 1-#4
▼●
A

35 CONTACTS



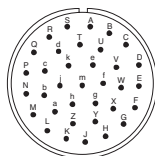
28-15*
35-#16
▼●
A



32-7*
28-#16; 7-#12
▼●
I (A,B,H,J); A (balance)

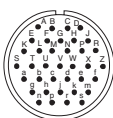
LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

35 CONTACTS



36-15
35-#16
▼●
D(m); A(balance)

37 CONTACTS



28-21*
37-#16
▼●
A

LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

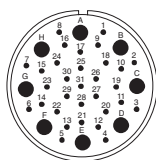
LAYOUTS BY NUMBER OF CONTACTS

Key ▼ = CA/MS ● = CB

View from mating face of pin insulator
(socket view is opposite)

* = most popular layouts

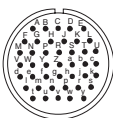
39 CONTACTS



LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

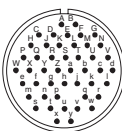
36A98
8-#8; 31-#16
●
I

43 CONTACTS

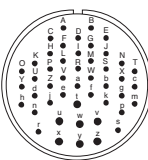


28A51
43-#16
▼ ●
A

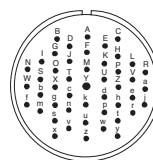
47 CONTACTS



32A47
47-#16
▼ ●
A

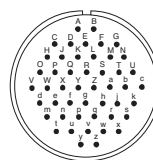


36-7*
40-#16; 7-#12
▼ ●
A



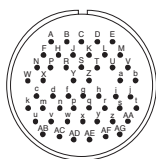
36-8
46-#16; 1-#12
▼ ●
A

48 CONTACTS



36-10*
48-#16
▼ ●
A

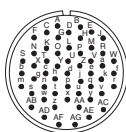
52 CONTACTS



LAYOUT
OF CONTACTS
SERIES
SERVICE RATING

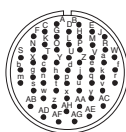
36A34
52-#16
▼ ●
A

54 CONTACTS



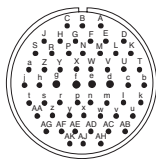
32A10
54-#16
▼ ●
A

55 CONTACTS



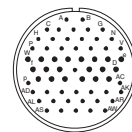
32A55
55-#16
●
A

56 CONTACTS



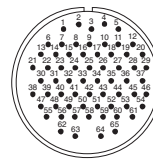
36A66
52-#16; 4-#12
▼
A

61 CONTACTS

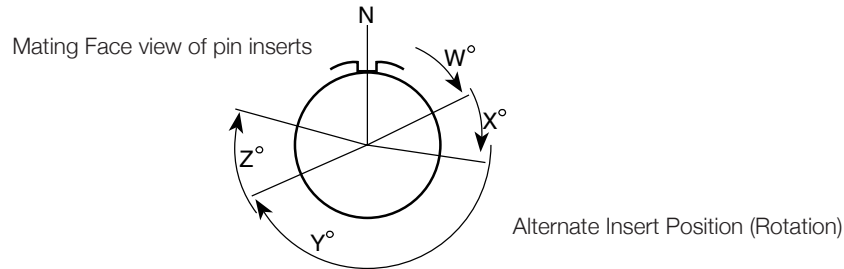


32A69
20-#16; 41-#20
●
A

65 CONTACTS



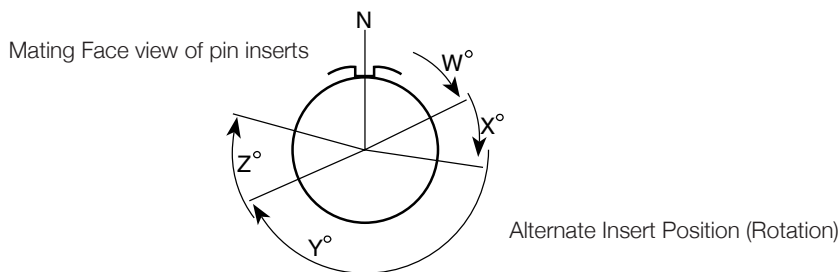
36A99
50-#20; 15-#16
●
I



CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (T)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						°	DEGREES OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
8S-1	△	▲			1		1						-	-	-	-	A
10S-2	△	▲			1		1						-	-	-	-	A
10SL-3	△	▲	●	○	3		3						-	-	-	-	A
10SL-4	△	▲	●	○	2		2						-	-	-	-	A
10SL-51		▲	●		2		2					T	10SL-4 45° A=IR.; B=CON.				
10SL-52		▲	●		2		2					T	10SL-4 45° A=CU; B=CON.				
10SL-53		▲	●		2		2					T	10SL-4 45° A=AL.; B=CH.				
10SL-54		▲	●		3		3					T	10SL-3 A=IR.; B=CON.; C=CU				
10SL-55		▲	●		3		3					T	10SL-3 A=AL.; B=CH.; C=CU				
10SL-56		▲	●		2		2					T	10SL-4 A=AL.; B=CH.				
10SL-57		▲	●		2		2					T	10SL-4 A=CH.; B=CON.				
10SL-58		▲	●		3		3					T	10SL-3 A=CH.; B=AL.; C=CU				
10SL-59		▲	●		2		2					T	10SL-4 A=CH.; B=AL.				
10SL-60		▲	●		2		2					T	10SL-4 A=IR.; B=CON.				
10SL-61		▲	●		2		2					T	10SL-4 A=CU; B=CON.				
10SL-62		▲	●		3		3					T	10SL-3 A=CU; B=AL.; C=IR.				
10SL-63		▲	●		3		3					T	10SL-3 A, C=CON.; B=CH.				
10SL-64		▲	●		3		3					T	10SL-3 A, C=CH.; B=AL.				
10SL-A4		▲	●		5	5							CONTACT US FOR VALID ROTATIONS				A
12S-1		▲	●		2		2						12S-3 100°				A
12S-2		▲	●		2		2						12S-3 250°				A
12S-3	△	▲	●		2		2						70	145	215	290	A
12S-4	△	▲	●		1		1						-	-	-	-	D
12S-51		▲	●		2		2					T	12S-3 315° A=CH.; B=AL.				
12S-54		▲	●		2		2					T	12S-3 315° A = IR.; B=CON.				
12S-55		▲	●		2		2					T	12S-3 45° A=CU; B=CON.				
12S-56		▲	●		2		2					T	12S-3 A=AL.; B=CH.				
12S-57		▲	●		2		2					T	12S-3 60° A=CH.; B=AL.				
12S-58		▲	●		2		2					T	12S-3 120° A=IR.; B=CON.				
12S-59		▲	●		2		2					T	12S-3 A=IR.; B=CON.				
12S-60		▲	●		2		2					T	12S-3 A=CU; B=CON.				
12S-61		▲	●		2		2					T	12S-3 A=CH.; B=CON.				
12S-62		▲	●		2		2					T	12S-3 A=CH.; B=AL.				
12SA10		▲	●										CONTACT US FOR VALID ROTATIONS				I
12-5	△	▲			1			1					-	-	-	-	D
14S-1	△	▲	●		3		3						-	-	-	-	A
14S-2	△	▲	●		4		4						-	120	240	-	I

LAYOUTS BY SHELL SIZE



CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (⌘)**

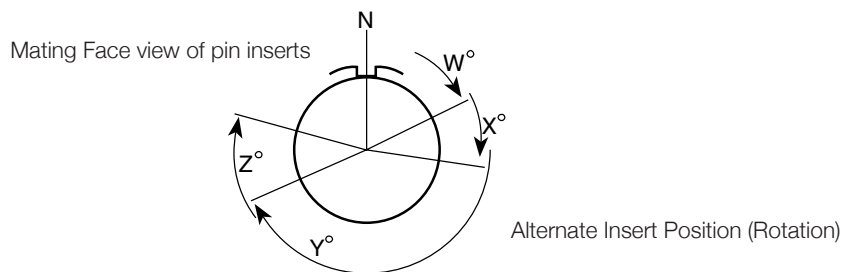
LAYOUT	SERIES				TOTAL	CONTACT SIZES						⌘	DEGREES OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
14S-4			●		1		1						-	-	-	-	D
14S-5	△	▲	●		5		5						-	110	-	-	I
14S-6	△	▲	●	○	6		6						-	-	-	-	I
14S-7	△	▲	●		3		3						90	180	270	-	A
14S-9	△	▲	●		2		2						70	145	215	290	A
14S-10		▲	●		4		4						14S-2 100°				I
14S-11		▲	●		4		4						14S-2 250°				I
14S-12		▲	●		3		3						14S-1 100°				A
14S-13		▲	●		3		3						14S-1 260°				A
14S-14		▲	●		4		4						14S-2 100°				I
14S-51		▲	●		2		2					⌘	14S-9 90° A=AL.; B=CH.				
14S-52		▲	●		4		4					⌘	14S-2 45° A, B=CU; C=AL.; D=CH.				
14S-53		▲	●		2		2					⌘	14S-9 90° A=IR.; B=CON.				
14S-54		▲	●		6		6					⌘	14S-6 45° A, C, E=IR.; B, D, F=CON.				
14S-55		▲	●		4		4					⌘	14S-2 45° A, C=IR.; B, D=CON.				
14S-56		▲	●		4		4					⌘	14S-2 45° A=IR.; B=CON.; C, D=CU				
14S-57		▲	●		4		4					⌘	14S-2 45° A, C=AL.; B, D=CH.				
14S-58		▲	●		3		3					⌘	14S-7 45° A=AL.; B=CH.; C=CU				
14S-59		▲	●		2		2					⌘	14S-9 90° A=CU; B=CON.				
14S-60		▲	●		2		2					⌘	14S-9 A=AL.; B=CH.				
14S-61		▲	●		6		6					⌘	14S-6 45° A=AL.; B=CH.; C=IR.; D=CON.; E, F=CU				
14S-63		▲	●		6		6					⌘	14S-6 A, C=AL.; B, D=CH.; E=IR.; F=CON.				
14S-64		▲	●		4		4					⌘	14S-2 A, C=CON.; B, D=CU				
14S-65		▲	●		6		6					⌘	14S-6 A, C, E=CU; B, D, F=CON.				
14S-67		▲	●		6		6					⌘	14S-6 A=AL.; B=CH.; BALANCE=CU				
14S-68		▲	●		4		4					⌘	14S-2 45° A=CH.; B=CON.; C, D=CU				
14S-69		▲	●		3		3					⌘	14S-7 A=CON.; B=CH.; C=CU				
14S-70		▲	●		4		4					⌘	14S-2 A, D=CH.; B, C=AL.				
14S-71		▲	●		4		4					⌘	14S-2 A, B, D=CU; C=CON.				
14S-72		▲	●		2		2					⌘	14S-9 A=CON.; B=CU				
14S-73		▲	●		4		4					⌘	14S-2 A, B=CU; C=AL.; D=CH.				
14S-74		▲	●		4		4					⌘	14S-2 A, B=CH.; C, D=AL.				
14S-75		▲	●		4		4					⌘	14S-2 A, B=CU; C, D=CON.				
14S-76		▲	●		4		4					⌘	14S-2 A, C=AL.; B, D=CH.				
14S-77		▲	●		4		4					⌘	14S-2 A, D=AL.; B, C=CH.				

LAYOUTS BY SHELL SIZE

CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (T)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						T	DEGREE OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
14S-78		▲	●		2		2					T	14S-9 A=CH.; B=AL.				
14SA7		▲	●		7		7						-	-	-	-	A
14-3	△	▲			1				1				-	-	-	-	A
16S-1	△	▲	●	○	7		7						80	-	-	280	A
16S-4	△	▲	●	○	2		2						35	110	250	325	D
16S-5	△	▲	●		3		3						70	145	215	290	A
16S-6	△	▲	●		3		3						90	180	270	-	A
16S-8	△	▲	●		5		5						-	170	265	-	A
16S-14		▲	●		3		3						16S-4 110°				A
16S-15		▲	●		2		2						16S-5 100°				D
16S-16		▲	●		2		2						16S-4 250°				D
16S-17		▲	●		3		3						16S-5 250°				A
16S-52		▲	●		2		2					T	16S-4 A=CH.; B=AL.				
16S-54		▲	●		7		7					T	16S-1 A=AL.; B=CH.; BALANCE=CU				
16S-55		▲	●		7		7					T	16S-1 A=CON.; BALANCE=CU				
16SA18		▲	●		7		7						16S-1 100°				A
16SA19		▲	●		7		7						16S-1 260°				A
16SA20		▲	●		7		7						16S-1 110°				A
16SA21		▲	●		7		7						16S-1 250°				A
16-7		▲	●	○	3		2		1				80	110	250	280	A
16-9	△	▲	●		4		2	2					35	110	250	325	A
16-10	△	▲	●	○	3			3					90	180	270	-	A
16-11	△	▲	●		2			2					35	110	250	325	A
16-12	△	▲	●	○	1					1			-	-	-	-	A
16-13	△	▲	●		2			2				T	35	110	250	325	A=IR ; B CON
16-52		▲	●		2			2				T	16-11 90° A=AL.; B=CH.				
16-53		▲	●		4		2	2				T	16-9 70° A=AL.; C=CH.; B, D=CU				
16-55		▲	●		3			3				T	16-10 45° A=AL.; B=CH.; C=CU				
16-56		▲	●		2			2				T	16-13 90° A=CON.; B=CU				
16-57		▲	●		3			3				T	16-10 A=AL.; B=CU; C=CH.				
16-58		▲	●		3			3				T	16-10 A=CON.; B, C=CU				
16-60		▲	●		2			2				T	16-13 A=AL.; B=CH.				
16-62		▲	●		2			2				T	16-11 A=CON.; B=CU				
18-1	△	▲	●	○	10		10						70	145	215	290	A(B,C,F,G); I (all others)
18-3	△	▲	●		2			2					35	110	250	325	D
18-4	△	▲	●		4		4						35	110	250	325	D
18-5	△	▲	●		3		1	2					80	110	250	280	D
18-6	△	▲	●		1					1			-	-	-	-	D
18-7	△	▲	●		1				1				-	-	-	-	B
18-8	△	▲	●		8		7	1					70	-	-	290	A
18-9	△	▲	●		7		5	2					80	110	250	280	I
18-10	△	▲	●		4			4					-	120	240	-	A
18-11	△	▲	●	○	5			5					-	170	265	-	A
18-12	△	▲	●		6		6						80	-	-	280	A
18-13	△	▲	●	○	4			3	1				80	110	250	280	A
18-15	△	▲	●		4			4				T	18-10 315° A, C=IR.; B, D=CON.				

LAYOUTS BY SHELL SIZE



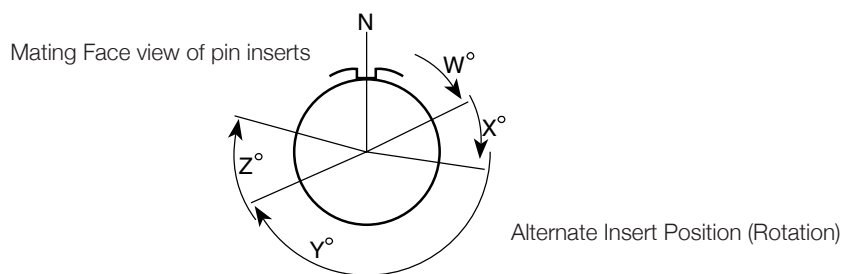
CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (⌚)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						⌚	DEGREES OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
18-17		▲	●		7		5	2					18-9 100°				I
18-18		▲	●		7		5	2					18-9 250°				I
18-19		▲	●		10		10						-	120	240	-	A
18-20		▲	●		5		5						90	180	270	-	A
18-21			●		3			3					70	145	215	290	D
18-22	△	▲	●		3		3						70	145	215	290	D
18-23		▲	●		10		10						18-1 100°				A(B,C,F,G); I(all others)
18-24		▲	●		10		10						18-1 250°				A(B,C,F,G); I(all others)
18-25		▲	●		2			2					18-3 100°				D
18-26		▲	●		2			2					18-3 250°				D
18-27		▲	●		3		1	2					18-5 100°				D
18-28		▲	●		3		1	2					18-5 250°				D
18-29		▲			5		5						90	180	270	-	A
18-30		▲	●		5		5						18-20 110°				A
18-31		▲	●		5		5						18-20 260°				A
18-51		▲	●		6		6					⌚	18-12 A=IR.; B,E=CON.; D=CU; C, F=DUMMY				
18-52		▲	●		5			5				⌚	18-11 A=IR.; B=CON.; C=CH.; D=AL.; E=DUMMY				
18-53		▲	●		6		6					⌚	18-12 A, D=IR.; B, E=CON.; C, F=DUMMY				
18-54		▲	●		4			4				⌚	18-15 A, C=AL.; B, D=CH.				
18-56		▲	●		10		10					⌚	18-1 45° A, C, E, G, I=IR.; B, D, F, H, J=CON.				
18-57		▲	●		6		6					⌚	18-12 45° A, C, E=AL.; B, D, F=CH.				
18-59		▲	●		6		6					⌚	18-12 45° A, C=IR.; B, E, F=CON.; D=CU				
18-60		▲	●		5			5				⌚	18-11 45° A, D=AL.; B, C=CH.; E=CU				
18-61		▲	●		6		6					⌚	18-12 A, C=IR.; B, D=CON.; E=CH.; F=AL.				
18-62		▲	●		6		6					⌚	18-12 A, B, C=IR.; D, E, F=CON.				
18-63		▲	●		4			4				⌚	18-15 A, C=CON.; B, D=CU				
18-65		▲	●		6		6					⌚	18-12 A=IR.; B=CON.; BALANCE=CU				
18-66		▲	●		10		10					⌚	18-1 A, C, E, G, I=CU; B, D, F, H, J=CON.				
18-67		▲	●		6		6					⌚	18-12 A, C, E=CU; B, D, F=CON.				
18-68		▲	●		5			5				⌚	18-11 A, D=AL.; B, C=CH.; E=CU				
18-69		▲	●		10		10					⌚	18-1 A=AL.; B=CH.; BALANCE=CU				
18-70		▲	●		5			5				⌚	18-11 A=IR.; B=CON.; C=CH.; D=AL.; E=CU				
18-71		▲	●		4			4				⌚	18-15 A=CON.; BALANCE=CU				
18-72		▲	●		4			4				⌚	18-15 D=CON.; BALANCE=CU				
18-73		▲	●		7		5	2				⌚	18-9 A=AL.; D=CH.; BALANCE=CU				
18-74		▲	●		6		6					⌚	18-12 A=CH.; B=AL.; D=IR.; E=CU; C, F=CON.				

CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (°)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						°	DEGREE OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
18A31		▲	●		10		10						18-1 110°				A(B,C,F,G); I(all others)
20-2	△	▲	●	○	1						1		-	-	-	-	D
20-3	△	▲	●		3			3					70	145	215	290	D
20-4	△	▲	●		4			4					45	110	250	-	D
20-6		▲	●		3		3						70	145	215	290	D
20-7	△	▲	●		8		8						80	110	250	280	A(B,C,F,G); I(all others)
20-8	△	▲	●	○	6		4		2				80	110	250	280	I
20-11	△	▲	●		13		13						-	-	-	-	I
20-14	△	▲			5			3	2				80	110	250	280	A
20-15	△	▲	●		7			7					80	-	-	280	A
20-16	△	▲	●		9		7	2					80	110	250	280	A
20-17	△	▲	●		6		1	5					90	180	270	-	A
20-18	△	▲	●		9		6	3					35	110	250	325	A
20-19	△	▲	●		3				3				90	180	270	-	A
20-22	△	▲	●		6		3		3				80	110	250	280	A
20-23	△	▲	●		2				2				35	110	250	325	A
20-24	△	▲	●		4		2		2				35	110	250	325	A
20-25		▲	●		13		13						20-11 100°				I
20-27	△	▲	●		14		14						35	110	250	325	A
20-29	△	▲	●		17		17						80	-	-	280	A
20-30		▲	●		13		13						20-11 250°				I
20-32		▲	●		8		8						20-7 260°				A(B,C,F,G); I(all others)
20-33	△	▲	●		11		11						-	-	-	280	A
20-52		▲	●		4			4				°	20-4 315° A=IR.; B=CON.; C=CH.; D=AL.				
20-56		▲	●		8		8					°	20-7 45° A, B, G, H=IR.; C, D, E, F=CON.				
20-60		▲	●		8		8					°	20-7 45° D=CH.; E=AL.; BALANCE=CU				
20-61		▲	●		17		17					°	20-29 45° A, B, M=CU; BALANCE=CON.				
20-62		▲	●		7			7				°	20-15 80° A, C, E=AL.; B, D, F=CH.; G=CU				
20-64		▲	●		14		14					°	20-27 A=AL.; C=CH.; BALANCE=CU				
20-65		▲	●		14		14					°	20-27 A, B, C, D, E, F, G=IR.; H, I, J, K, L, M, N=CON.				
20-67		▲	●		9		7	2				°	20-16 H=AL.; I=CH.; BALANCE=CU				
20-68		▲	●		8		8					°	20-7 A, B, G, H=CON.; C, D, E, F=CU				
20-69		▲	●		14		14					°	20-27 A, B, C, D, E, F, G=CU; H, I, J, K, L, M, N=CON.				
20-70		▲	●		17		17					°	20-29 A, C, E, G, J, L, N, R, T=IR.; B, D, F, H, K, M, P, S=CON.				
20-71		▲	●		17		17					°	20-29 S=AL.; R=CH.; BALANCE=CU				
20-74		▲	●		17		17					°	20-29 A, C, E, G, J, L, N, R=IR.; B, D, F, H, K, M, P, S=CON.; T=CU				
20-75		▲	●		7			7				°	20-15 G=AL.; BALANCE=CH.				
20-77		▲	●		9		7	2				°	20-16 A=CON.; BALANCE=CU				
20-80		▲	●		14		14					°	20-27 A, C, E, G, I, K, M=CU; B, D, F, H, J, L, N=CON.				
20-81		▲	●		14		14					°	20-27 A, C, E, G, I, K, M=CU; B, D, F, H, J, L, N=AL.				
20-82		▲	●		17		17					°	20-29 A, C, E, G, J, L, N, R=AL.; B, D, F, H, K, M, P, S=CH.; T=CU				
20A9		▲	●	○	9			9					-	110	250	-	D(J); (all others)
20A16		▲	●		13		13						20-11 182°				I
20A37		▲	●		4			4					20-4 250°				D

LAYOUTS BY SHELL SIZE



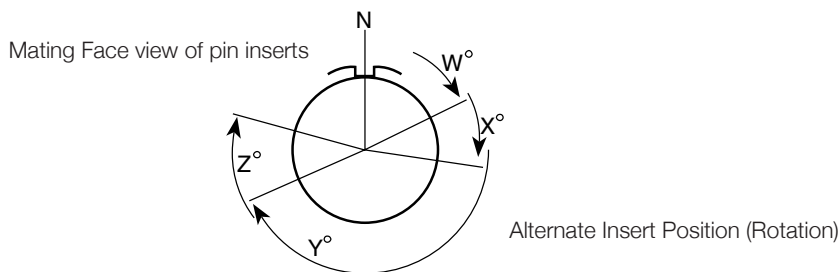
CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (⌚)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						⌚	DEGREES OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
20A48			●	○	19		19						-	80	280	-	I
22-1		▲	●		2				2				35	110	250	325	D
22-2	△	▲	●	○	3				3				70	145	215	290	D
22-4	△	▲	●		4			2	2				35	110	250	325	A
22-5	△	▲	●		6		4	2					35	110	250	325	D
22-6	△	▲			3		1		2				80	110	250	280	D
22-7	△	▲	●		1						1		-	-	-	-	E
22-8	△	▲	●		2			2					35	110	250	325	E
22-9	△	▲	●		3			3					70	145	215	290	E
22-10	△	▲	●		4		4						35	110	250	325	E
22-11	△	▲			2		2						35	110	250	325	B
22-12	△	▲	●	○	5		3		2				80	110	250	280	A
22-13	△	▲			5		1	4					35	110	250	325	A(A-D); D(E)
22-14	△	▲	●	○	19		19						80	-	-	280	A
22-15	△	▲	●		6		1	5					80	110	250	280	A(A-C, E, F); E(D)
22-16		▲	●		9		6	3					80	110	250	280	A
22-17	△	▲			9		8	1					80	110	250	280	D(A); A(all others)
22-18	△	▲			8		8						80	110	250	280	A(C-E); D(all others)
22-19	△	▲	●		14		14						80	110	250	280	A
22-20	△	▲	●		9		9						35	110	250	325	A
22-21			●		3		2				1		80	110	250	280	A
22-22	△	▲	●	○	4				4				-	110	250	-	A
22-23	△	▲	●		8			8					35	-	250	-	D(H); A(all others)
22-27	△	▲	●	○	9		8		1				80	-	250	280	D(J); A(all others)
22-28	△	▲	●		7			7					80	-	-	280	A
22-30		▲	●		19		19						22-14 100°				A
22-31	△	▲			2		2						22-11 100°				B
22-32		▲	●		6		4	2					22-5 260°				D
22-57		▲	●		19		19					⌚	22-14 45° A, C, E, G, J, L, N, R=IR.; B, D, F, H, K, M, P, S=CON.; T, U, V=CU				
22-60		▲	●		19		19					⌚	22-14 45° U=AL.; N=CH.; BALANCE=CU				
22-62		▲	●		8			8				⌚	22-23 60° A, B, F, G=AL.; C, D, E, H=CH.				
22-68		▲	●		14		14					⌚	22-19 45° A, C, E, G, J, L, M=IR.; B, D, F, H, K, P, N=CON.				
22-69		▲	●		14		14					⌚	22-19 45° A, C, E, G, J, L, M=CU; B, D, F, H, K, P, N=CON.				
22-71		▲	●		19		19					⌚	22-14 V=AL.; U=CH.; BALANCE=CU				
22-72		▲	●		6		4	2				⌚	22-5 B=AL.; E=CH.; BALANCE=CU				

CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (°)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						°	DEGREE OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
22-73		▲	●		6		4	2				°	22-5 E=AL.; B=CH.; BALANCE=CU				
22-74		▲	●		8			8				°	22-23 A, C, E, G=IR.; B, D, F, H=CON.				
22-75		▲	●		8			8				°	22-23 A=AL.; B, D, G, H=CU; C=CH.; E=IR.; F=CON.				
22-77		▲	●		14		14					°	22-19 B, D, F, H, J, K, M, P=CU; A, E, L=IR.; C, G, N=CON.				
22-78		▲	●		19		19					°	22-14 A, C, E, G, H, K, M, P, R, T=CON.; BALANCE=CU				
22-79		▲	●		4		4					°	22-10 A, C=CON.; B, D=CU				
24-2	△	▲	●		7			7					80	-	-	280	D
24-5	△	▲	●		16		16						80	110	250	280	A
24-6	△	▲			8			8					80	110	250	280	D(A,G,H); A(all others)
24-7	△	▲	●		16		14	2					80	110	250	280	A
24-9	△	▲	●		2					2			35	110	250	325	A
24-10	△	▲	●	○	7				7				80	-	-	280	A
24-11	△	▲	●	○	9			6	3				35	110	250	325	A
24-12	△	▲	●	○	5			3		2			80	110	250	280	A
24-15		▲	●		16		16						24-5 100°				A
24-19		▲	●		12		12						-	-	-	-	A
24-20	△	▲	●		11		9	2					80	110	250	280	D
24-22	△	▲	●		4				4				45	110	250	-	D
24-24		▲	●		16		16						24-5 250°				A
24-25		▲	●		8			8					24-6 100°				D(A,G,H); A(all others)
24-26		▲	●		8			8					24-6 250°				D(A,G,H); A(all others)
24-27	△	▲	●		7		7						80	-	-	280	E
24-28	△	▲	●		24		24						80	110	250	280	I
24-56		▲	●		11		9	2				°	24-20 45° E=AL.; F=CH.; BALANCE=CU				
24-57		▲	●		24		24					°	24-28 45° A, C, J, V, Y, W, K, E, H, U, S, M=CH.; BALANCE=AL.				
24-62		▲	●		24		24					°	24-28 A, C, E, G=IR.; B, D, F, H=CON.; R, T=CH.; S, U=AL.; BALANCE=CU				
24-63		▲	●		24		24					°	24-28 A, C, E, G, J, L, K, N, S, U, W, Y=CU; B, D, F, H, Q, R, M, P, T, V, X, Z=CON.				
24-64		▲	●		16		16					°	24-5 A, B, C, D, E, F, G, H=IR.; J, K, L, M, N, P, R, S=CON.				
24-68		▲	●		24		24					°	24-28 D=CON.; BALANCE=CU				
24-79					5				5				-	-	-	-	A
24-81		▲	●		16		14	2				°	24-7 A, C, E, G, I, K, M, N, P=CU; B, D, F, H, J, L, O=CON.				
24A24		▲	●		12			12					CONTACT FOR VALID ROTATIONS				A
24A28			●		28		28						65	146	235	-	I
24A35		▲	●		16		14	2					24-7 100°				A
28-1	△	▲			9			6	3				80	110	250	280	D(A, E, J); A(all others)
28-2	△	▲	●		14		12	2					35	110	250	325	D
28-4		▲			9		7	2					80	110	250	280	E(G,P,S); D(all others)
28-5		▲	●		5		2	1		2			35	110	250	325	D
28-7		▲			2					2			35	110	250	325	D
28-9	△	▲	●		12		6	6					80	110	250	280	D
22B22			●		4				4				-	110	250	-	A

LAYOUTS BY SHELL SIZE

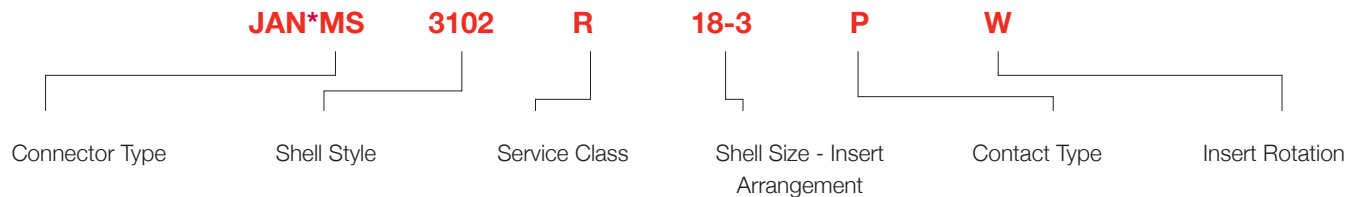
CONTACT METALLURGY KEY: **ALUMEL** (AL.) **CHROMEL** (CH.) **CONSTANTAN** (CON.) **COPPER** (CU) **IRON** (IR.) **THERMOCOUPLE** (⌘)

LAYOUT	SERIES				TOTAL	CONTACT SIZES						°	DEGREES OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
28-10	△	▲	●		7			3	2	2			80	110	250	280	D(G); A(all others)
28-11	△	▲	●	○	22		18	4					80	110	250	280	A
28-12	△	▲	●		26		26						90	180	270	-	A
28-13		▲	●		26		26						28-12 100°				A
28-14		▲			11		11						80	110	250	280	D
28-15	△	▲	●		35		35						80	110	250	280	A
28-16	△	▲	●		20		20						80	110	250	280	A
28-17	△	▲			15		15						80	110	250	280	A(A-L); B(R); D(M-P)
28-19	△	▲	●		10		6	4					80	110	250	280	A(C, E, G, J, K, L); B(H, M); D(A, B)
28-20	△	▲	●	○	14		4	10					80	110	250	280	A
28-21	△	▲	●	○	37		37						80	110	250	280	A
28-22	△	▲	●		6		3			3			70	145	215	290	D
28-51		▲	●		12			12					80	135	195	-	A
28-53		▲	●		22		18	4				⌘	28-11 45° J, L=AL.; K, M=CH.; BALANCE=CU				
28-58		▲	●		14		4	10				⌘	28-20 45° A, C, E, G, K, M=AL.; B, D, F, H, L, N=CH.; J, P=CU				
28-59		▲			17		10	7					-	-	-	-	A
28-61		▲	●		37		37					⌘	28-21 45° A, C, J, Z, M, R, N, A, K, F, H, X, K, H, T, M, N, D=IR.; BALANCE=CON.				
28-63		▲	●	○	14		4	10				⌘	28-20 45° A, C, E, G, J=AL.; B, D, F, H, P=CH.; BALANCE=CU				
28-64		▲	●		35		35					⌘	28-15 A, D=AL.; B, J=CH.; C, D, E, F, G, N, P, R, S, H, J, K, L, M, W, X, Y, Z=CON.; BALANCE=CU				
28-65		▲	●		26		26					⌘	28-12 A, C, E, G, J, L, N, R, T, V=IR.; X, Z=AL.; B, D, F, H, K, M, P, S, U, W=CON.; Y, A=CH.; B, D=CU				
28-67		▲	●		20		20					⌘	28-16 U=CON.; BALANCE=CU				
28-68		▲	●		35		35					⌘	28-15 45° T=AL.; U=CH.; BALANCE=CU				
28-69		▲	●		22		18	4				⌘	28-11 G=AL.; R=CH.; BALANCE=CU				
28-70		▲	●		22		18	4				⌘	28-11 A=AL.; B=CH.; BALANCE=CU				
28-77		▲	●		22		18	4				⌘	28-11 J=CON.; BALANCE=CU				
28-81		▲	●		37		37					⌘	28-21 A, D, S, Z, N, S=IR.; B, J, K, F, G, R=CON.; G, L, P, B, E, J=AL.; F, H, T, X, H, K=CH.; BALANCE=CU				
28A16		▲	●		9		5			4			CONTACT US FOR VALID ROTATION				A(E); I(all others)
28A51		▲	●		43		43						CONTACT US FOR VALID ROTATION				A
28A63			●		28		19	9					-	110	260	-	A
32-1	△	▲	●		5			3			2		80	110	250	280	E(A); D(all others)
32-2		▲			5		2			3			70	145	215	290	E

CONTACT METALLURGY KEY: **ALUMEL (AL.)** **CHROMEL (CH.)** **CONSTANTAN (CON.)** **COPPER (CU)** **IRON (IR.)** **THERMOCOUPLE (T)**

LAYOUT	SERIES				TOTAL	CONTACT SIZES						T	DEGREE OF ROTATION				SERVICE RATING
	MS	CT	CB	VG		20	16	12	8	4	0		W	X	Y	Z	
32-5		▲	●		2						2		35	110	250	325	D
32-6	△	▲	●	○	23		16	2	3	2			80	110	250	280	A
32-7	△	▲	●	○	35		28	7					80	125	235	280	I(A,B,H,J); A(all others)
32-8	△	▲	●		30		24	6					80	125	235	280	A
32-9	△	▲	●		14		12			2			80	110	250	280	D
32-13	△	▲	●		23		18	5					80	110	250	280	D
32-15	△	▲	●		8			6			2		35	110	250	280	D
32-17	△	▲	●		4					4			45	110	250	-	D
32-19		▲	●		5			3			2		32-1 260°				E(A); D(all others)
32-20		▲	●		23		16	2	3	2			32-6 260°				A
32-51		▲	●		30		24	6				T	32-8 90° M=CH.; N=AL.; BALANCE=CU				
32-55		▲	●		30		24	6				T	32-8 125° M, N=CH.; O, P=AL.; BALANCE=CU				
32A10		▲	●		54		54						CONTACT US FOR VALID ROTATION				A
32A29		▲	●		23		16	2	3	2			32-6 250°				A
32A30		▲	●		5			3		2			32-1 100°				E(A); D(all others)
32A47		▲	●		47		47						CONTACT US FOR VALID ROTATION				A
32A55			●		55		55						80	110	250	280	A
32A69			●	○	61	41	20						-	110	250	-	I
36-3		▲	●		6			3			3		70	145	215	290	D
36-4	△	▲			3						3		70	145	215	290	A(B,C); D(A)
36-5	△	▲	●	○	4						4		45	120	240	-	A
36-6	△	▲	●	○	6					4	2		35	110	250	325	A
36-7	△	▲	●		47		40	7					80	110	250	280	A
36-8	△	▲	●		47		46	1					80	110	250	280	A
36-9	△	▲	●		31		14	14	2	1			80	125	235	280	A
36-10	△	▲	●	○	48		48						80	125	235	280	A
36-11		▲	●		48		48						36-10 100°				A
36-12		▲	●		48		48						36-10 250°				A
36-14	△	▲	●		16		6	5	5				90	180	270	-	D
36-15	△	▲	●		35		35						60	125	245	305	D(m); A(all others)
36-16		▲	●		47		40	7					36-7 100°				
36-17		▲	●		47		40	7					36-7 250°				A
36-18		▲	●		31		14	14	2	1			36-9 100°				A
36-21		▲	●		31		14	14	2	1			36-9 260°				A
36-53		▲	●		47		40	7				T	36-7 45° U, V, W=AL.; X, Y, Z=CH.; BALANCE=CU				
36A34		▲	●		52		52						CONTACT US FOR VALID ROTATION				A
36A35		▲	●		8		4				4		CONTACT US FOR VALID ROTATION				A
36A46		▲	●		27			27					CONTACT US FOR VALID ROTATION				A
36A98		▲	●		39		31		8				CONTACT US FOR VALID ROTATION				I
36A99			●		65	50	15						CONTACT US FOR VALID ROTATION				I
36A70		▲			16		5			11			-	-	-	-	I

CT/MS SERIES CONNECTORS

**EXPLANATION****CONNECTOR TYPE**

MS Military Standard

SHELL STYLE

- Mates with
- 3100 = Wall mounting receptacle
 - 3101 = Cable connecting receptacle (plug†)
 - 3102 = Box mounting receptacle
-
- 3106 = Straight plug
 - 3108 = 90° plug

SERVICE CLASS

- E - Environmentally resistant
- F - Environmentally resistant with strain relief (JAN MS part number only)
- R - Lightweight environmentally resistant (JAN MS part number only)

SHELL SIZE & INSERT ARRANGEMENT

⇒ See pages 116-129

† Note : The military changed the designation from cable receptacle to plug in the MIL-DTL-5015 specifications.

CONTACT TYPE

- P - Pin
- S - Socket
- PS - One side pin, one side socket (only for TBF)

INSERT ROTATION

W, X, Y and Z designate that insert is rotated in its shell from normal position. No letter is required for normal (no rotation) position.

EXCERPT FROM MIL-DTL-5015H *3.30.3 JAN BRAND

The United States Government has adopted, and is exercising legitimate control over the certification marks, "JAN" and "J", respectively, to indicate that items so marked or identified are manufactured to, and meet all, the requirements of specifications.

Accordingly, items acquired to, and meeting, all the criteria specified herein and in applicable specifications shall bear the certification mark "JAN" except that items too small to bear the certification mark "JAN" shall bear the letter "J". The "JAN" or "J" shall be placed immediately before the part number except that if such location would place a hardship on the manufacturer. In connection with such marking, the "JAN" or "J" may be located on the first line above or below the part number. Items furnished under contracts or orders which either permit or require deviation from the conditions or requirements specified herein or in applicable specifications shall not bear "JAN" or "J". In the event an item fails to meet the requirements of this specification and the applicable specification sheets or associated specifications, the manufacturer shall remove completely the military part number and the "JAN" or "J" from the sample tested and also from all items represented by the sample. The "JAN" or "J" certification mark shall not be used on products acquired to contractor drawings or specifications. The United States Government has obtained Certificate and Registration Number 504,860 for the certification mark "JAN" and Registration Number 1,586,261 for the certification mark "J".

HAVE A UNIQUE REQUIREMENT?

Quick assembly of custom products is our specialty! Email us at sales@peigenesis.com or complete our online Technical Request at www.peigenesis.com/technical-support. To contact us by phone, please see the back cover for a complete listing of our branch offices and contact numbers.