

CREATE PART NUMBER

1	2	3A	4	3B	5	6	7
MS27468	T	25	F	35	P		-LC
SHELL STYLE	CLASS	SIZE	PLATING	LAYOUT	CONTACT	POLARIZATION	MODIFIER

(Military example)

1	2	3A	4	3B	5	6	7
KJL7	T	25	F	35	P	N	L
SHELL STYLE	CLASS	SIZE	PLATING	LAYOUT	CONTACT	POLARIZATION	MODIFIER

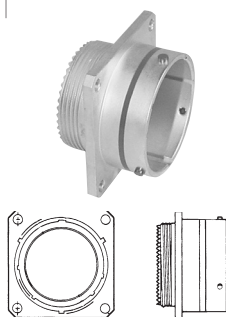
(Commercial example)

STEP 1: CHOOSE STYLE

RECEPTACLES

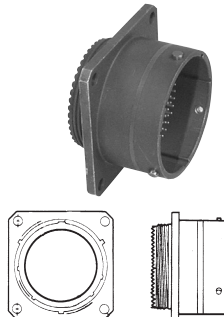
PLUGS

← Mates with →



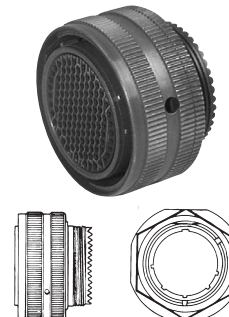
MS27466
KJL0

Front mount with rear accessory threads.

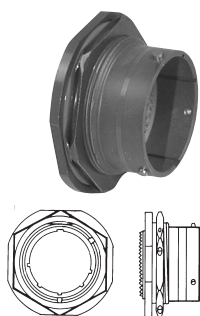


MS27656
KJL3

Rear mount with rear accessory threads.*

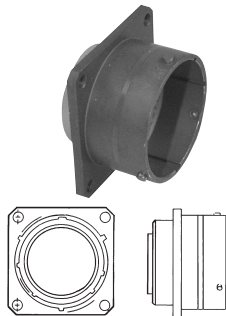


MS27467
KJL6*



MS27468
KJL7

Jam Nut with rear accessory threads.*



MS27505E
KJL5E

Rear mount without rear accessory threads.
(E class only)



Available with PC pins.
Contact us for more details.

STEP 2: CHOOSE CLASS

T = No Rear Accessories
P = Potting Ring & Cup

F = Straight Strain Relief (KJL only, not MIL Spec)
E = No Rear Accessories used on MS27505 & KJL5 only

* Most popular

STEP 3: CHOOSE LAYOUT

(Listed by Shell Size)

For listing by # of contacts, ➔ See pages 214 - 215.

LAYOUT NUMBER	SERVICE RATING	CONTACTS							
		TOTAL NUMBER	22D	22M	22	20	16	12	8
9-6+	M	6	-	6	-	-	-	-	-
9-35	M	6	6	-	-	-	-	-	-
9-98	I	3	-	-	-	3	-	-	-
11-4	I	4	-	-	-	4	-	-	-
11-5	I	5	-	-	-	5	-	-	-
11-13+	M	13	-	13	-	-	-	-	-
11-35	M	13	13	-	-	-	-	-	-
11-98	I	6	-	-	-	6	-	-	-
11-99	I	7	-	-	-	7	-	-	-
13-4	I	4	-	-	-	-	4	-	-
13-8	I	8	-	-	-	-	8	-	-
13-22+	M	22	-	22	-	-	-	-	-
13-35	M	22	22	-	-	-	-	-	-
13-98	I	10	-	-	-	10	-	-	-
15-5	II	5	-	-	-	-	5	-	-
15-15	I	15	-	-	-	14	1	-	-
15-18	I	18	-	-	-	18	-	-	-
15-19	I	19	-	-	-	19	-	-	-
15-35	M	37	37	-	-	-	-	-	-
15-37+	M	37	-	37	-	-	-	-	-
15-97	I	12	-	-	-	8	4	-	-
17-6	I	6	-	-	-	-	-	6	-
17-8	II	8	-	-	-	-	8	-	-
17-26	I	26	-	-	-	26	-	-	-
17-35	M	55	55	-	-	-	-	-	-
17-55+	M	55	-	55	-	-	-	-	-
17-99	I	23	-	-	-	21	2	-	-
19-11	II	11	-	-	-	-	11	-	-
19-28	I	28	-	-	-	26	2	-	-
19-30	I	30	-	-	-	29	1	-	-
19-32	I	32	-	-	-	32	-	-	-
19-35	M	66	66	-	-	-	-	-	-
19-66+	M	66	-	66	-	-	-	-	-
21-1+	M	79	-	79	-	-	-	-	-
21-11	I	11	-	-	-	-	-	11	-
21-16	II	16	-	-	-	-	16	-	-
21-35	M	79	79	-	-	-	-	-	-
21-39	I	39	-	-	-	37	2	-	-
21-41	I	41	-	-	-	41	-	-	-
21-75	M**	4	-	-	-	-	-	-	4**
23-1+	M	100	-	100	-	-	-	-	-
23-2+	M	85	-	-	85	-	-	-	-
23-21	II	21	-	-	-	-	21	-	-
23-32	I	21	-	-	-	32	-	-	-
23-35	M	100	-	100	-	-	-	-	-
23-53	I	53	-	-	-	53	-	-	-
23-55	I	55	-	-	-	55	-	-	-
25-1+	M	128	-	128	-	-	-	-	-
25-2+	M	100	-	-	100	-	-	-	-
25-4	I	56	-	-	-	48	8	-	-
25-19	I	19	-	-	-	-	-	19	-
25-24	I	24	-	-	-	-	12	12	-
25-29	I	29	-	-	-	-	-	29	-
25-35	M	128	-	128	-	-	-	-	-
25-37	I	37	-	-	-	-	-	37	-
25-43	I	43	-	-	-	23	20	-	-
25-49	I*	46	-	-	-	40	4	-	2*
25-8	COAX*	8	-	-	-	-	-	-	8***
25-20	N**	30	-	-	-	10	13	4*	3**
25-42	I, COAX	42	-	-	-	38	-	-	4*
25-61	I	61	-	-	-	61	-	-	-
25-64	I	64	40	-	-	8	10	6	-
25-66	I	66	53	-	-	2	11	-	-

When Choosing Layout: First Number = Step 3A - Shell Size

Dash = Step 4 - Plating Second Number = 3B - Layout

+ = Inactive for new designs

*Coax **Twinax ***Coax/Twinax

NOTE: Coaxial type contacts are only rated for 175°C (347°F).

STEP 4: CHOOSE PLATING

MILITARY	COMMERCIAL	
B	B	Olive Drab Chromate over Cadmium over Electroless Nickel -65°C to 175°C (-85°F to 347°F)
F	N	Electroless Nickel -65°C to 200°C (-85°F to 392°F)
A	A	Clear Chromate over Cadmium over Electroless Nickel -65°C to 150°C (inactive) (-85°F to 302°F)

STEP 5: CHOOSE CONTACT

See Step 6 if you are not ordering contacts with part.

P = Pin
S = Socket

A = Less Pin Contacts
B = Less Socket Contact

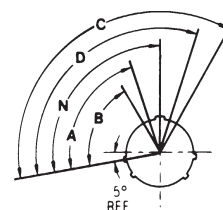
May be used for special contact types (PC Pin, Thermocouple, Fiber optic).

STEP 6: CHOOSE POLARIZATION

N = Normal Standard (omit on Military part number)
A = Next Most Popular

B = Limited Availability
C = Check for Availability
D = Check for Availability

SHELL SIZE	N	A	B	C	D
9	95	77	-	-	113
11	95	81	67	123	109
13	95	75	63	127	115
15	95	74	61	129	116
17	95	77	65	125	113
19	95	77	65	125	113
21	95	77	65	125	113
23	95	80	69	121	110
25	95	80	69	121	110



Mating Face of Receptacle

STEP 7: CHOOSE MODIFIER

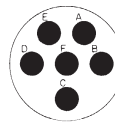
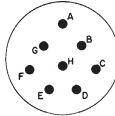
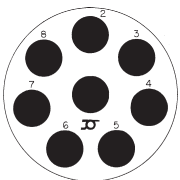
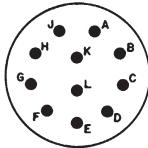
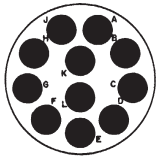
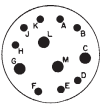
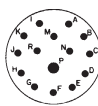
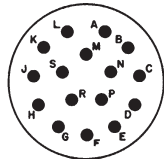
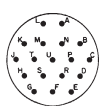
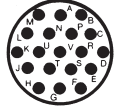
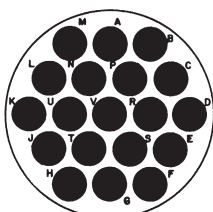
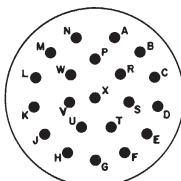
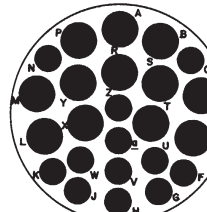
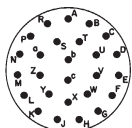
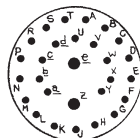
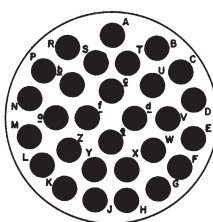
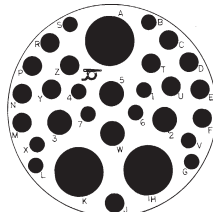
Omit for standard contacts

- LC** = For use with standard contacts, but supplied without contacts, seal plugs or tools (PO must state Less Contacts)
- L** = Supplied without contacts, seal plugs or tools. (Commercial only)
- 16** = Outgassed NASA Space Grade (Commercial only)
- 27** = Outgassed Standard Connector (Commercial only)

Note: -LC is not marked on part

For other commercial modification, i.e., less tools, with PC contact or with endbell, contact us

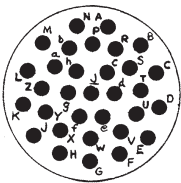
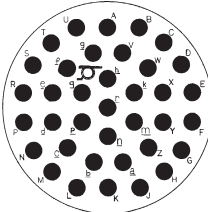
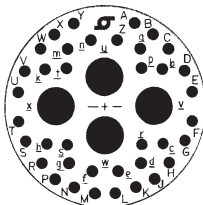
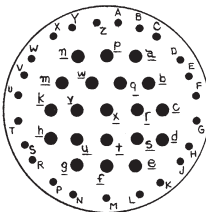
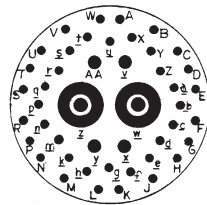
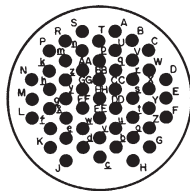
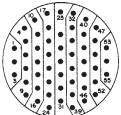
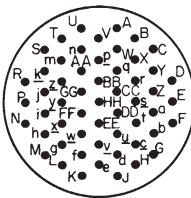
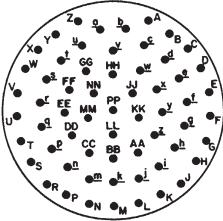
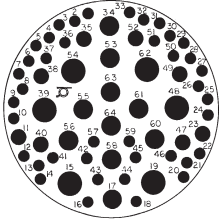
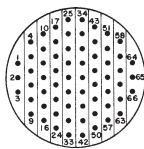
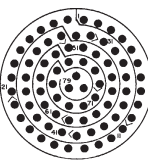
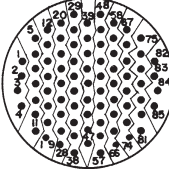
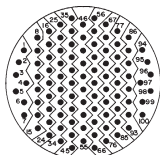
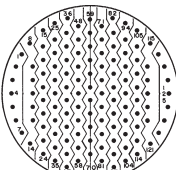
LAYOUTS BY NUMBER OF CONTACTS

3		4		5		6 CONTACTS					
											
LAYOUT	9-98	11-4	13-4	21-75	11-5	15-5	9-6	9-35	11-98	17-6	
# OF CONTACTS	3-#20	4-#20	4-#16	4-#8	5-#20	5-#16	6-#22M	6-#22D	6-#20	6-#12	
SERVICE RATING	I	I	I	M**	I	II	M	M	I	I	
7		8 CONTACTS				10		11			
											
LAYOUT	11-99	13-8	17-8	25-8	13-98	19-11	21-11				
# OF CONTACTS	7-#20	8-#20	8-#16	8-#8	10-#20	11-#16	11-#12				
SERVICE RATING	I	I	II	COAX***	I	II	I				
12		13 CONTACTS		15		16		18		19	
											
LAYOUT	15-97	11-13	11-35	15-15	21-16	15-18	15-19				
# OF CONTACTS	8-#20 4-#16	13-#22M	13-#22D	14-#20 1-#16	16-#16	18-#20	19-#20				
SERVICE RATING	I	M	M	I	II	I	I				
19 CONTACTS		21		22		23		24			
											
LAYOUT	25-19	23-21	13-22	13-35	17-99	25-24					
# OF CONTACTS	19-#12	21-#16	22-#22M	22-#22D	21-#22 2-#16	12-#16 12-#12					
SERVICE RATING	I	II	M	M	I	I					
26		28		29		30 CONTACTS		32			
											
LAYOUT	17-26	19-28	25-29	19-30	25-20	19-32					
# OF CONTACTS	26-#20	26-#20 2-#16	29-#16	29-#20 1-#16	10-#20 13-#16 4-#12* 3-#8**	32-#20					
SERVICE RATING	I	I	I	I	N	I					

Drawing not to scale; Mating-Face view of pin insert shown (socket view is opposite)

*Coax **Twinax ***Coax/Twinax

LAYOUTS BY NUMBER OF CONTACTS

	32			37 CONTACTS			39	41					
	Pin Insert Only			Inactive. Use 15-35									
													
LAYOUT	23-32			15-35			25-37	21-39					
# OF CONTACTS	32-#20			37-#22D			37-#16	37-#20 2-#16					
SERVICE RATING	I			M			I	I					
	42			43	46		53	55					
													
LAYOUT	25-42			25-43	25-46		23-53	17-35					
# OF CONTACTS	38-#20 4-#8*			23-#20 20-#16	40-#20 4-#16 2-#8*		53-#20	55-#22D					
SERVICE RATING	I, COAX			I	I		I	M					
	55 CONTACTS			56		61	64						
	Inactive. Use 17-35												
LAYOUT	17-55			23-55		25-61	25-64						
# OF CONTACTS	55-#22M			55-#20		61-#20	40-#22D 8-#20 10-#16 6-#12						
SERVICE RATING	M			I		I	M						
	66 CONTACTS			79		85							
	Inactive. Use 19-35			Inactive. Use 21-35		Inactive. No Replacement							
													
LAYOUT	19-35			21-1		23-2							
# OF CONTACTS	66-#22D			79-#22M		85-#22							
SERVICE RATING	M			M		M							
	100 CONTACTS			128 CONTACTS									
	Inactive. Use 23-35			Inactive. No Replacement									
													
LAYOUT	23-1			25-1									
# OF CONTACTS	100-#22D			128-#22M									
SERVICE RATING	M			M									

*Coax **Twinax ***Coax/Twinax