

Military to Commercial Shell Style Conversion Table

How to Order (Military)

MILITARY	DESCRIPTION	COMMERCIAL
MS27466	Crimp Wall Mounting Receptacle	LJT00
MS27656	Crimp Wall Mounting Receptacle (Back Panel)	LJTPQ00
MS27496	Crimp Box Mounting Receptacle	LJT02, LJTP02
MS27505	Crimp Box Mounting Receptacle (Back Panel)	LJTP02
MS27467	Crimp Straight Plug	LJT06
MS27468	Crimp Jam Nut Receptacle	LJT07
MS27469	Hermetic Wall Mounting Receptacle	LJT00, LJTS00
MS27470	Hermetic Jam Nut Receptacle	LJT07, LJTS07
MS27471	Hermetic Solder Mounting Receptacle	LJTIH, LJTIY, LJTSIY
MIL-DTL-27599		
MS20026	Solder Wall Mounting Receptacle	LJT00
MS20027	Solder Line Receptacle	LJT01
MS20028	Solder Straight Plug	LJT06
MS20029	Solder Jam Mounting Receptacle	LJT07

38999

III
II
I
SJT
Access
Aquacon

Series I

HOW TO ORDER - MILITARY SERIES I

1.	2.	3.	4.	5.	6.	7.
MS Number	Service Class	Shell Size	Finishes	Insert Arrangement	Contact Style (P or S)	Alternate Keying Position
MS27466	E	14	A	18	P	A

1. MS NUMBER SERIES I LJT		2. SERVICE CLASS				
MS Number	Description	CRIMP		SOLDER		
		WALL MOUNT (466)	BOX MOUNT (496)	WALL MOUNT (026)	JAM NUT (029)	
MS27466	Crimp Wall Mounting Receptacle					
MS27656	Crimp Wall Mounting Receptacle (Back Panel Mounting)					
MS27496	Crimp Box Mounting Receptacle			LINE (027)		
MS27505	Crimp Box Mounting Receptacle (Back Panel Mounting)					
MS27467	Crimp Straight Plug			STRAIGHT PLUG (028)		
MS27468	Crimp Jam Nut Receptacle					
MS27469	Hermetic Wall Mounting Receptacle					
MS27470	Hermetic Jam Nut Receptacle					
MS27471	Hermetic Solder Mounting Receptacle					
MIL-DTL-27599						
MS20026	Solder Wall Mounting Receptacle					Environmental crimp applications. Box Mount versions using spacer grommets are not environmental.
MS20027	Solder Line Receptacle					Potting crimp applications. Supplied with spacer grommet and potting boot.
MS20028	Solder Straight Plug					
MS20029	Solder Jam Nut Receptacle					Environmental applications. Supplied without rear accessories. Design provides serrations on rear threads of shells.

2. HERMETIC SERVICE CLASS	
WALL MOUNT (469)	
JAM NUT (470)	
SOLDER MOUNT (471)	
Y	Hermetically interfacial seal



MIL-DTL-38999/ 27599, Series I LJT

How to Order (Military)

38999

1.	2.	3.	4.	5.	6.	7.
MS Number	Service Class	Shell Size	Finishes	Insert Arrangement	Contact Style (P or S)	Alternate Keying Position
MS27466	E	15	A	18	P	A

3. SHELL SIZE

See table on page 2-5

Shell Size & Insert Arrangement are on pages 2-5. First number represents Shell Size, second number is the Insert Arrangement. Place Shell Size in box 3 and Insert Arrangement in box 5.

4. FINISHES

Finish	Military Finish Data
Cadmium plated nickel base 175°C	A
Olive drab cadmium plate nickel base 175°C	B
Electroless nickel 200°C	F
Electroless nickel, space compatible 200°C	
Anodic coating (Alumilite) 200°C	C
Chromate treated (Iridite 14-2) 125°C	
Passivated steel 200°C	E
Nickel-PTFE 175°C	
HERMETIC FINISHES	
Carbon steel shell tin plated & contacts	D
Stainless steel shell passivated	N
Stainless steel nickel plated	N

5. INSERT ARRANGEMENT

See table on page 2-5

6. CONTACTS

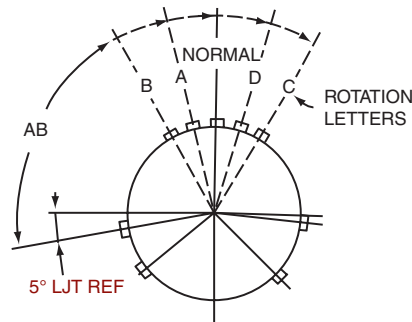
P	Pin Contacts
S	Socket Contacts

7. ALTERNATE KEYING POSITION

"A" designates Alternate keying connector assembly. Other basic alternate keys are "B", "C" and "D". No letter required for normal rotation (no rotation) position.

A plug with a given rotation letter will mate with a receptacle with the same rotation letter. The AB angle for a given connector is the same whether it contains pins or sockets. Only the master key/keyway rotates in the shell, and the minor keys are fixed. AB angles shown are viewed from the front face of the connector, a receptacle is shown below. The angles for the plug are exactly the same except the direction of rotation is opposite of that shown for the receptacle.

The "N" designation is not referenced in part number, it is omitted.



RELATIVE POSSIBLE POSITION OF ROTATED MASTER KEYWAY (front face of receptacle shown)

LJT Key/Keyway Rotation

Shell Size	AB ANGLE OF ROTATION (Degrees)				
	Normal	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°