

MIL-C-38999 Series I LJT Series Bayonet Coupled Crimp Circular Connectors

Features

- Lightweight Space-saving design
- Durability – 500 cycles
- EMI Shielded
- 100% Scoop-proof

Customer Options

Shell sizes	– 9
Contact arrangements	– 100+
Circuit sizes	– 1 to 128

Specifications

Operating Temperature	– -55°C up to 200°C
<u>Current Rating</u>	
Contact Size 20	– 7.5A
Contact Size 16	– 13A
<u>Voltage Rating (sea level)</u>	
Service Rating I	– 600VAC(rms)
Service Rating II	– 900VAC(rms)

Tooling

Crimp Tool	– M22520/1-01
Positioner	– M22520/1-04
Insert/Remove*	– M81969/14-03**
Insert/Remove*	– M81969/14-10***

* Plastic Tool ** For Size 16 Contacts. *** For Size 20 Contacts

Related Information

Detailed catalogue – 12-090-14
Solder, PCB, Wire Wrap, Coax, Fiber & Filter optional

Part Number System: (refer to Part Number Make-up for assistance – opposite)

LJT XX XX-XX-X X X (X)

CONNECTOR TYPE

LJT: Standard Mil-C-38999 I
High Temperature, Chemical & Fuel
Resistant versions available upon request

SHELL STYLE

- 00: Wall Mount Receptacle
- 01: Line Receptacle
- 02: Box Mount Receptacle
- 06: Straight Plug
- 07: Jam-Nut Receptacle
- 08: 90° Plug (AAO)
- I: Solder Mount Rec. (Hermetic only)

SERVICE CLASS

- RP: Potting Boot + Grommet
- RE: Environmental Sealed Can add SR
- RT: Environmental w/o rear Accessory
- Y: Hermetically Sealed
- A: Fixed Solder Contacts (LTD only)

For Cadmium-free Zinc Cobalt plating consult representative SR = Strain Relief

DEVIATIONS

Finish	Suffix	W/SR Suffix
Cadmium Plated Ni Base		(SR)
Olive Drab Cadmium Plated, Ni Base	(014)	(386)
Electroless Ni	(023)	(424)
Anodic Coating (Alumilite 14-2)	(005)	(300)
Chromate treated (Iridite 14-2)	(011)	(344)

ALTERNATE KEYING

Blank: Normal Position
See detailed catalogue for variations

CONTACT STYLE

- P: Pins
- S: Sockets

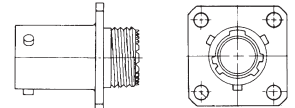
INSERT ARRANGEMENTS

See Insert Arrangement Table (page D-12 and D-13)

SHELL SIZE

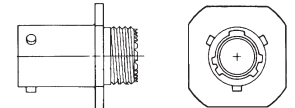
See Insert Arrangement Table (page D-12 and D-13)

Part Number Make-up LJT00...



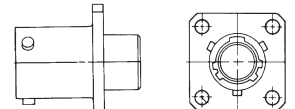
Wall Mount Receptacle

Part Number Make-up LJT01RE-... LTJ01A-...



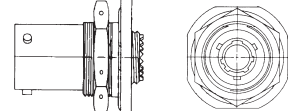
Line Receptacle

Part Number Make-up LJT02RE-... LTJ02A-... Cannot add SR



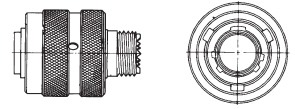
Box Mount Receptacle

Part Number Make-up LJT07...



Jam Nut Receptacle

Part Number Make-up LJT06...



Straight Plug

LJT Accessories – Cable Clamp for Crimp type Housing (if ordered separately to connector)

Part Number System:	Finish (-XX9 standard)	Diagram
10-405982-XXX	Chromate Treat -XX0	
SHELL SIZE 9/11/13/15/17/19/21/23/25	Anodic Coating -XX5	
	Cadmium Plated Nickel Base -XX7	
	Olive Drab, Cadmium, Nickel Base -XX9	
	Electroless Nickel -XXG	
FINISH See adjacent table		

LJT Accessories – Heat Shrinkable Backshells (shielded)

Part Number:	Shell Size	Finish	Type	Backshell Configuration (-X)			Diagram
				-1	-2	-3	
ABK A-WAR-X	9	Olive Drab Cadmium	Shielded	Straight	45°	Right Angle	
ABK A-WBR-X	11						
ABK A-WCR-X	13						
ABK A-WDR-X	15						
ABK A-WER-X	17						
ABK A-WFR-X	19						
ABK A-WGR-X	21						
ABK A-WHR-X	23						
ABK A-WJR-X	25						

Alternatives: Unshielded Replace R with U, Electroless Nickel replace W with F.

LJT Accessories - Caps

Shell Size	Part Numbers:			
	Cap & Chain for Plugs Cadmium Plate, Ni Base	Chain length	Cap & Chain for Receptacle Cadmium Plate, Ni Base	Chain length
9	10-421399-099	76.2mm	10-427406-099	76.2mm
11	10-421399-119		10-427406-119	
13	10-421399-139	88.9mm	10-427406-139	88.9mm
15	10-421399-159		10-427406-159	
17	10-421399-179		10-427406-179	
19	10-421399-199		10-427406-199	
21	10-421399-219	101.6mm	10-427406-219	101.6mm
23	10-421399-239		10-427406-239	
25	10-421399-259		10-427406-259	
Diagram				

Alternate Cap finishes (Replace last digit): 0=Chromate, 5=Anodic, G=Electroless Ni
Connectors individually packaged with crimp contacts (bulk contacts available) and insert/extract tool.
ASF/LTD/AAO

MS Part Numbering System:

MS27467 T-11B-35 S A

Style See Chart	Alternate Keyway Letters A to D
Class T= Threaded accessory E= With grommet nut	Contact Style P= Pin contact S= Socket contact A= Less pin contact B= Less socket contact
Shell Size Series 1 Odd nos 9 to 25 Series 2 Even Nos 8 to 24	Insert arrangement
Finish A= Clear Chromate B= Olive drab F= Electroless nickel	

* Not available in box mount receptacle style

Style Chart Series 1

Style	LJT	MS Series 1	BS Series	HE308
Wall mount receptacle	00	27466	C6160	00
Back wall mount receptacle	PO00	27556	C6163	
Box mount receptacle	02	27496	C6162	
Long box mount receptacle	02 (053)			
Jam nut	07	27468	C6167	07
Back box receptacle	P02	27505	C6164	
Grounded plug	06	27467	C6166	06

Contact Variations:

See page D-13 for a list of PINS, SOCKETS, COAX and POWER contacts available.

