



MKJ Clip Lock (MKJ CL) Miniature Circular Connector

Small, Lightweight & Competitively Priced, Our New MKJ CL Connector for Avionics & Cabin System Applications Repurposes Clip Lock Latching System Originally Designed for the Automotive Industry

The Challenge

Today's commercial aerospace manufacturers are increasingly challenged to meet the ongoing demand for lighter, high reliability interconnect solutions that support a wide range of modernized Avionics and Cabin System applications. From high speed data and signal transfer for IFE/C, to glass cockpit functionality and aircraft environmental lighting, there is an increasing need for small, lightweight and competitively priced electrical connectors that deliver the highest level of performance, no matter the conditions or environment.

The Solution

ITT Cannon's new MKJ Clip Lock (MKJ CL) miniature circular connector offers an ideal solution for today's connectivity needs. Our smaller, lighter MKJ CL interconnect features an innovative clip lock latching system that we repurposed from a design originally used for the automotive industry. By eliminating higher cost components, we transformed it into a mil-style connector with a proven snap on positive lock dimension that is both robust and competitively priced.

The CANNON Difference

- Smaller, lighter design packages and configurations
- Committed partner for off-the-shelf or custom interconnect solutions
- High performance and reliability in the harshest environments

Key Product Features

- Easy-to-use and install with quick connect clip lock feature
- Positive latch or breakaway options
- Multiple keying options prevent miss-mating with 6 clocking positions
- High density size 23 machine contacts
- Available in 4, 6, 7 and 10 positions
- Fully machined aluminum shells
- Field repairable

Markets & Applications



COMMERCIAL AEROSPACE
CABIN SYSTEMS & AVIONICS



MILITARY
SOLDIER WORN IN BREAKAWAY SOLUTION



DEFENSE
MISSILE SYSTEMS & MUNITIONS



MEDICAL
DURABLE MEDICAL EQUIPMENT (DME) / HOSPITAL BEDS



MKJ Clip Lock Miniature Circular Connector



How to Order | Part Number Configurator



MKJCL1	A	1	F	7-10	P	A	**
--------	---	---	---	------	---	---	----

Series

- MKJCL1 Positive Lock
- MKJCL2 Breakaway/Quick Disconnect

Class

- A Environmental Plug and Receptacle with Banding/Overmolding Attachment
- B Environmental Plug and Receptacle with Threaded Accessory Attachment
- J Non-Environmental (un-sealed) Plug and Receptacle with Banding/Overmolding Attachment

Shell Style

- 1 In-Line Receptacle.
 - 6 Straight Plug.
- Contact ITT for your additional configuration requirements

Material/Plating

- C Aluminum/Anodize, Black
- F Aluminum/Electroless Nickel
- T Aluminum/Teflon Nickel
- W Aluminum/OD Cad
- Y Stainless Steel/Electroless Nickel, Black
- Z Aluminum/Zinc Nickel, Black
- N Stainless Steel/Electroless Nickel
- K Stainless Steel/Passivated

Shell Size/Contact Arrangement

- 6-4 4 Size 23 Contacts
 - 6-6 6 Size 23 Contacts
 - 6-7 7 Size 23 Contacts
 - 7-10 10 Size 23 Contacts
- Contact ITT for your additional size requirements

Contact Style

- P Pin, Crimp, Removable
- S Socket, Crimp, Removable

Shell Clocking (Position)

	Omit for Single Key/Keyway	K1°	K2°
A	Normal	150°	210°
B	Clocking Position B	95°	210°
C	Clocking Position C	135°	270°
D	Clocking Position D	110°	245°
E	Clocking Position E	150°	285°
F	Clocking Position F	105°	255°

Modification Codes

- F0 Less Contacts ("F0" not stamped on the connector, but must be included on the P.O.)
- F256 Stainless Steel Hood (Socket contact only)

Consult Factory for other Modification Codes



Why ITT

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit www.ittcannon.com

CHINA—Shenzhen City
+86.755.2726.7888

GERMANY—Weinstadt
+49.7151.699.0

INDIA—Bangalore
+91 22 67843000

JAPAN—Kanagawa
+81.462.57.2010

SINGAPORE
+65 66974205

USA—Irvine, CA
+1.800.854.3028

FRANCE
+33.1.60.04.93.93

HONG KONG
+852.2732.2720

ITALY—Lainate
+39.02938721

MEXICO—Nogales
+52.631.311005

UK—Basingstoke
+44.1256.347400