

Cannon

KJA/KJB 38999-Style Series III Composite

Designed to support mission critical applications with improved reliability and an average 30% weight reduction

Features and Benefits



ITT





ENGINEERED FOR LIFE

KJA/KJB 38999-Style Series III Composite: Our customizable product demonstrates our continued focus on meeting customer demands.


ITT Cannon brings significant experience in manufacturing the 38999-style connector series. Throughout the years, we have made many advances in its design, resulting in continuous improvements in performance, quality and affordability. These improvements also allow ITT Cannon to bring innovative products to market, such as our KJA/KJB 38999-Style Series III Composite (Class J & M) for harsh environment military and aerospace applications.



Technical overview


-  3 to 128 way layouts
-  Wire range: Size 16-28
-  1000-2300 VAC rms at sea level
-  -65°C up to 200°C

Our products do what we say they will do



Laser Marking of Cavity Identification

White background provides visual clarity for improved assembly accuracy



Anti-Vibration System

Provides greater ease of coupling while maintaining the reliability of 38999-Style

Applications

- Military communication systems
- Military / Commercial aviation
- Hand held and vehicle platforms
- Military ground support and computer systems
- Aerospace launch vehicles
- Heavy equipment
- Rail

Why customers benefit from choosing ITT's

MIL-DTL-38999 Composite:

- Composite construction delivers 4X the corrosion resistance of standard OD Cad and 50X Nickel
- 100% scoop proof design
- Global manufacturing locations offer specific regional design requirements and provide optimized local sourcing options
- Full line offered by broad network of authorized stocking and value-added distributors

Product Performance

Series	Plating Finish	Finish Modification Code	Color	Durability	Temperature Range	EMI Shielding	Shell-Shell Conductivity	Corrosion Resistance
KJB	Olive Drab Cadmium	Class 'J'	Olive Drab	1,500 cycles	-65°C to +175°C	>90dB at 100 MHz >50dB at 10GHz	3.0mV max	2,000hrs salt spray
KJB	Electroless Nickel	Class 'M'	Reflective	1,500 cycles	-65°C to +200°C	>90dB at 100 MHz >65dB at 10GHz	3.0mV max	2,000hrs salt spray



How-To-Order Guide

Military Nomenclature

CONNECTOR TYPE

KJA/KJB 38999-Style Series III Composite

SHELL STYLE

/20 - Wall mount receptacle
/26 - Straight Plug, Grounded

SERVICE CLASS (HARDWARE FINISH)

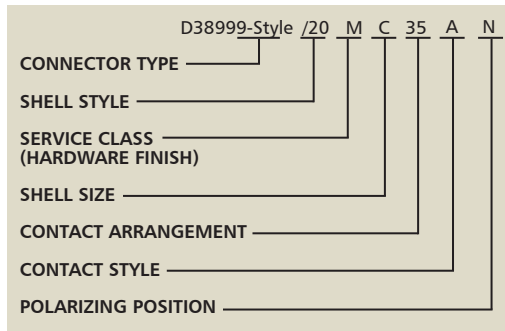
M - Electroless nickel
-65°C to +200°C, RoHS Compliant
J - Olive drab cadmium over electroless nickel plate.
-65°C to +175°C

SHELL SIZE

A	B	C	D	E	F	G	H	J	Military Designation
9	11	13	15	17	19	21	23	25	Cannon Designation

CONTACT ARRANGEMENT

Refer to Insert Availability Identification Chart



CONTACT STYLE

P - Pin contact
S - Socket contact
H - Pin contact (1,500 cycles)
J - Socket contact (1,500 cycles)
A - Less pin contacts*
B - Less socket contacts*

POLARIZING POSITION

N (Normal), A, B, C, D, E

Cannon Nomenclature

SERIES PREFIX

KJB - Series III - scoop proof, threaded coupling

SHELL STYLE

0 - Wall mount receptacle
6 - Straight plug

CLASS

T - Environmental-resistant (without rear accessory)

SHELL SIZE

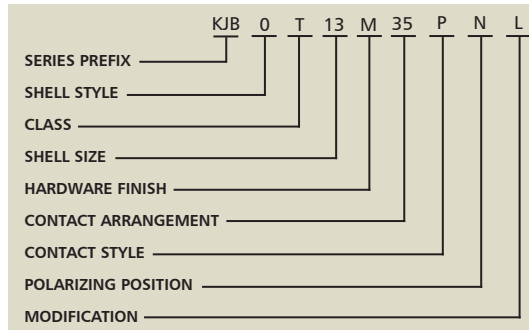
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MODIFICATION CODE

L - Less contacts, not stamped on connector

Insert Availability & Identification

Shell Size	Contact Arr.	Service Rating†	Contact Size		
			22D	20	16
9	35	M	6		
9	98	I		3	
11	5	I		5	
11	35	M	13		
11	98	I		6	
13	8	I		8	
13	35	M	22		
13	98	I		10	
15	5	II			5
15	18	I		18	
15	19	I		19	
15	35	M	37		
15	97	I		8	4
17	826	II			8
17	35	I		26	
17	11	M	55		
19	32	II			11
19	32	I		32	
19	35	M	66		
21	35	M	79		
21	41	I		41	
23	21	II			21
23	35	M	100		
23	53	I		53	
23	55	I		55	
25	29	I			29
25	35	M	128		
25	61	I		61	

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Our facility is not currently certified by the DLA and this product is not covered by the QPL/QML.

*Used only when other than power contacts are to be installed (i.e., shielded, thermocouple, etc.)

Note: To order MS connectors less standard power contact, Purchase order must state "Less Contacts" † See Table I in 38999L-Style for Service Rating Definitions