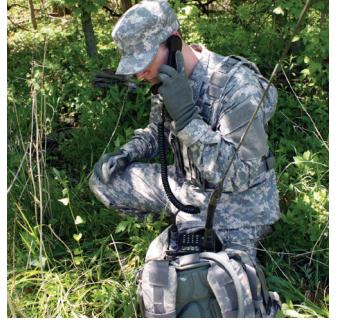




# High density interconnect solutions designed to perform in the harshest environments.



Designed to be comparable to 38999-Style Series III & REACH compliant.



Utilizes data transmission in military ground vehicle systems.



Provides sealed protection in harsh environmental applications.



Delivers signal transmission in military communication systems.

## Product Performance

MIL-DTL-38999	Coupling System	Hardware	Finish	Contact Type	Contact Size	Shell Size	Mating
KJA/KJB	Threaded	Aluminum	Cadmium/Nickel/Green Zinc Cobalt/Black Zinc Cobalt/Black Electroless Nickel	Signal/Coax/Twinax/Quadrax	Size 8-22	Size 9-25	500 Cycles

# KJA/KJB D38999-Style Series III: Highly engineered customized & off-the-shelf solutions.

The wide range of plating options available for the 38999-Style allow compatible connectors for the harsh environments of military and aerospace.



Plating Finish	Cadmium	Electroless Nickel	Black Electroless Nickel	Black Zinc Cobalt	Green Zinc Cobalt
Finish Modification Code	Class 'W'	Class 'F'	-A297	-A296	-T69
Color	Olive Drab	Reflective	Non-Reflective Black	Non-Reflective Black	Dark Green
Durability	500 cycles mating & unmating				
Temperature Range	-65°C to +175°C	-65°C to +200°C	-65°C to +175°C	-55°C to +125°C	-55°C to +125°C
EMI Shielding	>90dB at 100 MHz >50dB at 10GHz	>90dB at 100 MHz >65dB at 10GHz	>90dB at 100 MHz >50dB at 10GHz	>80dB at 100 MHz >45dB at 10GHz	>80dB at 100 MHz >45dB at 10GHz
Shell-Shell Conductivity	2.5mV max	1mV max	2.5mV max	5mV max	5mV max
Corrosion Resistance	500hrs salt spray	48hrs salt spray	192hrs salt spray	48hrs salt spray	96hrs salt spray
RoHS Status	Not RoHS compliant	Not RoHS compliant	RoHS compliant	RoHS compliant	Not RoHS compliant

Reference the ITT Cannon D38999-Style Connectors catalog for product range data.

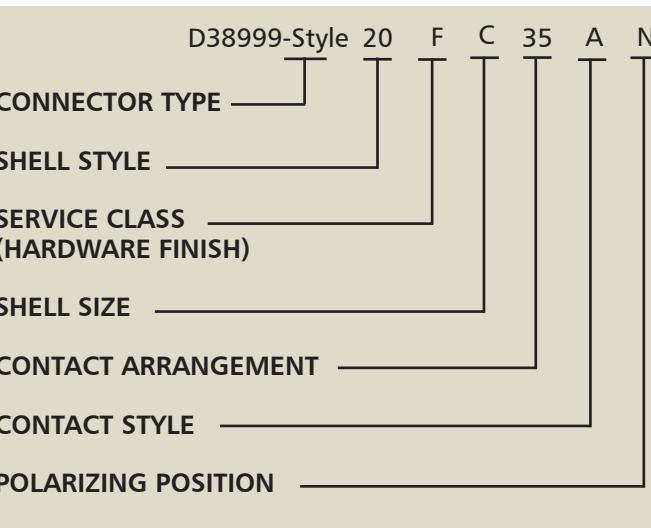
## Insert Availability & Identification

Series III Layout	Service Rating	Contact Size					
		22D	20	16	12	8	
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			
15-15	I		14	1			
15-18	I			18			
15-19	I			19			
15-35	M	37					
15-97	I		8	4			
17-6	I				6		
17-8	II				8		
17-26	I			26			
17-35	M	55					
19-11	II			11			
19-32	I			32			
19-35	M	66					

Series III Layout	Service Rating	Contact Size					
		22D	20	16	12	8	
21-11	I						
21-16	II						
21-35	M	79					
21-39	I			37	2		
21-41	I			41			
21-75	M						4
23-21	II					21	
23-35	M						
23-53	I			53			
23-55	I			55			
25-4	I			48	8		
25-19	I					19	
25-24	I				12	12	
25-29	I				29		
25-35	M	128					
25-37	I				37		
25-43	I			23	20		
25-46	I, Twinax			40	4		2
25-8	Twinax						8
25-20	N, Coax, Twinax			10	13	4	3
25-42	I, Coax			38			4
25-61	I			61			
25-64	I	40	8	10	6		

**DISCLAIMER:** Our facility is not currently certified by the DLA and this product is not covered by the QPL/QML. Mil-Spec part numbers are only for cross-reference to the Commercial Equivalent.

## How-To Order Guide



## Cannon Nomenclature

**SERIES PREFIX**  
KJA/KJB - Series III - scoop proof, threaded coupling

**SHELL STYLE**  
0 - Wall mount receptacle  
6 - Straight plug  
7 - Jam nut receptacle

**CLASS**  
T - Environment-resistant (without rear accessory)

**SHELL SIZE**

**HARDWARE FINISH**  
T - Environment-resistant (without rear accessory)

**CONTACT ARRANGEMENT**  
Refer to Insert Availability Identification Chart

**SHELL SIZE**  
9 11 13 15 17 19 21 23 25 Cannon Designation

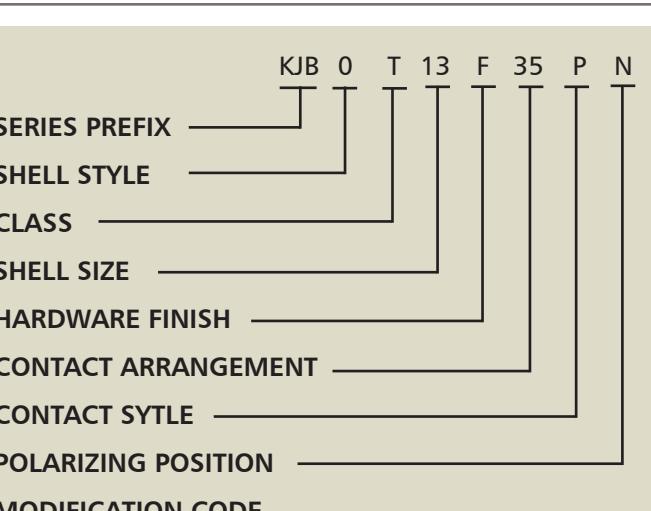
**POLARIZING POSITION**  
A - Pin contact  
B - Socket Contact  
A - Less pin contacts\*  
B - Less socket contacts\*

**MODIFICATION CODE**  
L - Less contacts, not stamped on connector  
16 - Outgassed, NASA space graded connector  
27 - Outgassed, standard connector

**POLARIZING POSITION**  
N, A, B, C, D, E

**MODIFICATION CODE**  
L - Less contacts, not stamped on connector  
16 - Outgassed, NASA space graded connector  
27 - Outgassed, standard connector

**CONTACT STYLE**  
P - Pin contact  
S - Socket Contact



**POLARIZING POSITION**  
N, A, B, C, D, E

**MODIFICATION CODE**  
L - Less contacts, not stamped on connector  
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**CONTACT STYLE**  
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