ITT

SSMB

PART NUMBER: A51-453-0000220

Image Disclaimer:
Please use Customer Drawing for design activity: line art and other pictures are general representations of product dimensions.

Product Family	RF
Product Group	RF - SSMB
Market Application	Military
Component Type	Printed Circuit Receptacles
Gender	Receptacle
Mounting Style	90° PCB
Engagement (Insertion) Force	Initial = 26.7 N (6 lbs.) maximum
Packaging Type	Each
Plating	Center contact : Gold. Other metal parts: Gold or nickel , as specified, to meet the finish and corrosion requirements of MIL-C-39012.
Product Description	Printed Curcuit Receptacle - 90° Jack
Cable Retention	When properly assembled to the compatible single braided coaxial cable, the retention is equal to the breaking strength of the cable.
Connector Durability	500 mating cycles minimum
Contact Current Rating	1.0 A DC maximum
Corrosion (salt spray)	MIL-STD-202, Method 101, test condition B, 5% salt solution
Separation (Disengagement) Force	8.9 N (2 lbs.) minimum
Insertion Loss	0.30 dB maximum @ 1.5 GHz
Insulation Resistance	1000 M ohms minimum
Locknut Torque	0.28 to 0.35 Nm (40-50 in. oz.)
RF Leakage	-40 dB minimum @ 2-3 GHz
Shock	MIL-STD-202, Method 213, Test Condition B, 75 G`s at 6 milliseconds 1/2 sine.

Temperature Rating	-65°C to 165°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B, except high temperature shall be 85°C. High temperature shall be 200°C for connectors using 200°C cables.
Vibration, High Frequency	MIL-STD-202, Method 204, Test Condition B (15 G`s)
Voltage Rating	At Sea Level = 250 V RMS. At 21 km (70K feet) = 60 V RMS.
Impedance	50 ohms
Frequency Range 1	0 to 4.0 GHz
Contact Resistance	Center contact = 4.0 m ohms maximum initial. 6.0 m ohms maximum after environment. Outer contact = 1.0 m ohms maximum initial. 1.5 m ohms maximum after environment. Braid to body = 1.0 m ohms maximum
Material	Body, body components: Brass, half hard. Male and female contacts: Beryllium copper. Insulators: PTFE. Lockwashers: Phosphor bronze. Crimp ferrule: Annealed copper alloy.
Contact Retention	8.9 N (2.0 lbs.) minimum axial force
Mounting Information	Mounting Plan C
For more information	Please Contact Cannon Sales Department .
Mounting Dimension A	2,54 (.100)
Mounting Dimension B	4X Ø0,97 (.038) minimum
Mounting Dimension C	1X Ø0,91 (.036) minimum
Footnote	Dimension are shown in mm (inch). Dimensions subject to change.