



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 <sub>0</sub>	RELEASED	4/14/99	

NOTES:  
1. CAPTURED CENTER CONTACT

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions SMB MIL-STD-348A 311-1 OSM MIL-STD-348A 310-2	Temperature Rating -65°C to +125°C
Frequency Range (GHz) DC to 4.0	Recommended Mating Torque SMC 30-50 In-Ozs	Vibration MIL-STD-202, Method 204, Condition B
Volt Rating (VRMS MAX) Sea Level 335	Mating Characteristics: Insertion 2.5 OSM 3.0 Withdrawal 1.0 2.0	Shock MIL-STD-202, Method 21B, Condition B
VSWR 1.25+.04f(GHz)	Force to Engage/Disengage (Lbs) SMB 14.0 OSM 2.0	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
Insertion Loss (dB MAX) .03 @ 1.5GHz	Contact Retention Axial (Lbs) 6.0 Radial (In-Oz) 4.0 Weight (Grams) TBD	Moisture Resistance MIL-STD-202, Method 106 Shall Be Omitted
RF Leakage (dB MIN) -55 @ 2 to 3 GHz		Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250		
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000		
Contact Resistance (Milliohms MAX) Center Contact 6.0 Outer Contact 1.0		
RF High Potential Sea Level (VRMS MIN @ 5 MHz) 700		
LR (Megohms MIN) 1,000		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY RBY	DATE 1/23/98
FRAC. DEC. ANGLES + 1/32 +.005 = 2°	CHECKED BY 	APPD BY 
		4/14/99
USE ASSY PROCEDURE	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
NO. A.P. N/A	TITLE "SMC" PLUG TO "OSM" JACK ADAPTER SIZE B CODE IDENT NO. 5082-2240-00 REV 01 <sub>0</sub> SCALE 6:1 SHEET 1 OF 1	

CUSTOMER DRAWING

AMP PART # 1060272-1  
SHEET 1 OF 1 REV A