



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ⁰	RELEASED	03/10/95	<i>AD</i>

**COPY IN PUERTO RICO
DESIGN CONTROL REQUIRED**

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions BNC <u>MIL-STD-348A Fig. 301.1</u>	Temperature Rating <u>-65°C to +125°C</u>
Frequency Range (GHz) <u>DC to 4</u>	OSM <u>MIL-STD-348A Fig. 310.2</u>	Vibration <u>MIL-STD-202, Method 204, Condition D</u>
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Recommended Mating Torque <u>4-6 In-Lbs</u>	Shock <u>MIL-STD-202, Method 213, Condition I</u>
VSWR <u>1.30 Max at 0.5 to 4.0 GHz</u>	Mating Characteristics:	Thermal Shock <u>MIL-STD-202, Method 107, Condition C,</u>
Insertion Loss (dB MAX) <u>0.2√f(GHz)</u>		Moisture Resistance <u>MIL-STD-202, Method 106</u>
RF Leakage (dB MIN) <u>-55, 2 to 3 GHz</u>		Corrosion - <u>MIL-STD-202, Method 101, Condition B, 5% salt spray</u>
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Insertion (Lbs Max) <u>N/A</u> <u>3.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>	Withdrawal (Oz Min) <u>N/A</u> <u>1.0</u>	
Contact Resistance (Milliohms MAX)	Force to Engage/Disengage	
Center Contact <u>4.1</u>	Longitudinal	
Outer Contact <u>2.2</u>	Force (Lb Max) <u>3.0</u> <u>N/A</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In-Lb Max) <u>2.5</u> <u>2.0</u>	
I.R.(Megohms MIN) <u>5000</u>	Contact Retention	
	Axial (Lbs Min) <u>6.0</u>	
	Radial (In-Oz) <u>N/A</u>	
	Weight (Grams) <u>TBD</u>	

COMPONENT	MATERIAL	FINISH
HOUSING (OSB)	BRASS PER ASTM-B-16 HALF HARD	NICKEL PLATE PER QQ-N-290
HOUSING (OSM)	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <i>AD</i>	DATE 03/10/95	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY	
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.	USE ASS'Y PROCEDURE	TITLE OSB PLUG TO OSM JACK ADAPTER	
	NO. AP. <u>N/A</u>	SIZE B	CODE IDENT NO. 1250-1700-00
		SCALE 4:1	REV 01 ⁰
		SHEET 1 OF 1	

CUSTOMER DRAWING

AMP PART # 1046274-1
SHEET 1 OF 1 REV A