



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED PER ECN 90-0404-1	5-25-90	<i>Comello</i>

OSM JACK
 .250-36 UNS-2A
 REF PLANE
 .299 (7.6mm)
 ACCEPTS .020 DIA PIN (0.5mm) X .110 MAX DEPTH (2.8mm)

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457, MIL-P-19468, AND FED. SPEC L-P-403	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B196, ALLOY 173	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
CONTACT EXT. BUSHING	IRON-NICKEL ALLOY PER MIL-I-23011 CLASS 1 (KOVAR)	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
HERMETIC SEAL	GLASS BEAD	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348, Fig. 319.2	Temperature Rating <u>-65°C to 165°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating Torque <u>N/A</u>	Vibration MIL-STD-202, Method 204, Condition D, 20 G's
VSWR <u>1.06±.01 f(GHz)</u>	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I
Insertion Loss (dB MAX) <u>.04 X √f(GHz)</u>	Insertion (MAX Lbs) <u>3.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B,
RF Leakage (dB MIN) <u>-(70-fGHz)</u>	Withdrawal (MIN Oz) <u>1.0</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>333</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Center Contact Captivation	Leak Test - MIL-STD-202, Method 112, Condition C, Procedure 1
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	1 X 10 ⁻⁸ CC/SEC
Center Contact <u>10.0</u>	Radial (In/Oz) <u>NONE</u>	
Outer Contact <u>2.0</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>667</u>	Weight (Grams) <u>TBD</u>	
I.R.(Megohms MIN) <u>5000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON

FRAC.	DEC.	ANGLES
± 1/64	±.005	± °

DRAWN BY B.MEDWARDS DATE 5/14/90
 CHECKED BY M.CATIZONE DATE 5/21/90
 APP'D BY *Comello* DATE 5-25-90

AMP Incorporated
 140 Fourth Avenue
 Waltham, MA 02451-7599

USE ASS'Y PROCEDURE

NO. AP. N/A

TITLE OSM 2 HOLE FLANGE MOUNT JACK RECEPTACLE - ACCEPTS .020 DIA PIN

SIZE	CODE IDENT NO.	REV
<u>B</u>	<u>26805</u>	<u>010</u>

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