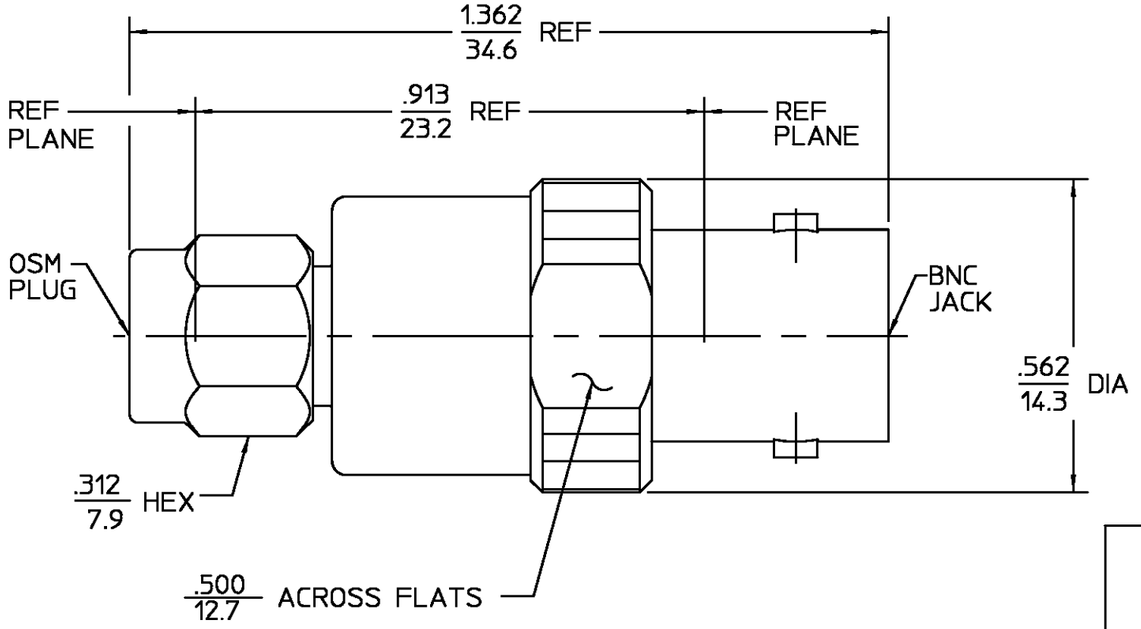

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_0	RELEASED	03/29/95	

COPY IN PUERTO RICO
DESIGN CONTROL REQUIRED

HOUSING (OSB)	BRASS PER ASTM-B-16 HALF HARD	NICKEL PLATE PER QQ-N-290
HOUSING (OSM) COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
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
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
COMPONENT	MATERIAL	FINISH

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz)	DC to 4
Volt Rating (VRMS MAX)	
@ Sea Level	335
VSWR	1.30 Max at 0.5 to 4.0 GHz
Insertion Loss (dB MAX)	$0.2\sqrt{f(GHz)}$
RF Leakage (dB MIN)	-55, 2 to 3 GHz
Corona, 70,000 Ft (VRMS MIN)	250
Dielectric Withstanding Voltage	
(VRMS MIN) @ Sea Level	1500
Contact Resistance (Milliohms MAX)	
Center Contact	4.1
Outer Contact	2.2
RF High Potential @ Sea Level	
(VRMS MIN @ 5 MHz)	670
I.R.(Megohms MIN)	5000

MECHANICAL		
Interface Dimensions		
BNC	MIL-STD-348A Fig. 301.2	
OSM	MIL-STD-348A Fig. 310.1	
Recommended Mating Torque	4-6 In-Lbs	
Mating Characteristics:	BNC	OSM
Insertion (Lbs Max)	2.0	N/A
Withdrawal (Oz Min)	2.0	N/A
Force to Engage/Disengage		
Longitudinal		
Force (Lb Max)	3.0	N/A
Torque (In-Lb Max)	2.5	2.0
Contact Retention		
Axial (Lbs Min)	6.0	
Radial (In-Oz)	N/A	
Weight (Grams)	TBD	

ENVIRONMENTAL
Temperature Rating -65°C to +125°C
Vibration MIL-STD-202, Method 204, Condition D
Shock MIL-STD-202, Method 213, Condition I
Thermal Shock MIL-STD-202, Method 107, Condition C,
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray

.XXX = in
XX.X = mm

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN J.Davis 03/29/95
CHECKED BY
APP'D BY J.Davis 03/29/95

USE ASS'Y PROCEDURE

NO. A.P. N/A

AMP
AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE BNC JACK TO OSM PLUG ADAPTER

SIZE	CODE IDENT NO.		REV
B	26805	1250-1200-00	01_0
SCALE 4:1			SHEET 1 OF 1

AMP PART # 1046243-1
SHEET 1 OF 1 REV A