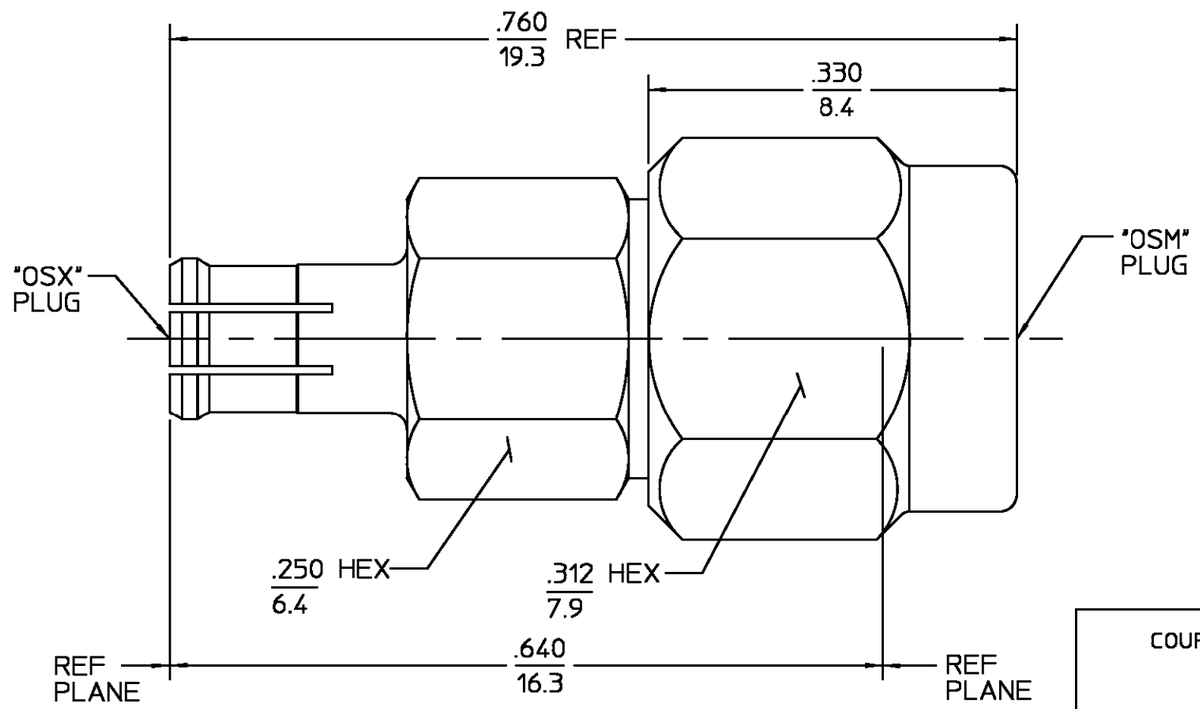

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_1	REVISED	5/28/97	S. Morby 5/29/97

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz)	DC to 6
Volt Rating (VRMS MAX)	
@ Sea Level	335
VSWR	1.25:1 Max @ 4 GHz
	1.35:1 Max @ 6 GHZ
Insertion Loss (dB MAX)	.1 dB/GHz
RF Leakage (dB MIN)	60 @ 1-3 GHz
Corona, 70,000 Ft (VRMS MIN)	250
Dielectric Withstanding Voltage	
(VRMS MIN) @ Sea Level	1,000
Contact Resistance (Milliohms MAX)	
Center Contact	5.0
Outer Contact	2.0
RF High Potential @ Sea Level	
(VRMS MIN @ 5 MHz)	670
I.R.(Megohms MIN)	10,000

MECHANICAL	
Interface Dimensions	
SMA	per MIL-STD-348A Fig. 310.1
OSX	per CECC 22 220 Fig. 1
Recommended Mating Torque	
	7 - 10 in-lbs
Mating Characteristics:	
	SMA
Insertion	N/A
Withdrawal	N/A
Force to Engage/Disengage	
SMA	2.0 in-lbs
OSX	3.4 lbs Max / 1.77 lbs Min
Contact Retention	
Axial (Lbs)	6.0
Radial (In-Oz)	4.0
Weight (Grams)	TBD

ENVIRONMENTAL
Temperature Rating -65° to +125°C
Vibration - MIL-STD-202, Method 204, Condition B
Shock - MIL-STD-202, Method 213, Condition A
Thermal Shock - MIL-STD-202, Method 107, Condition B, Except High Temp Shall Be Omitted
Moisture Resistance - MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B, 48 Hours

.XXX = in
XX.X = mm (REF)

COMPONENT	MATERIAL	FINISH
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
HOUSING 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
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRAC.	DEC.	ANGLES
± 1/64	±.005	± 1°

DRAWN BY	DBP	DATE 7/5/90
CHECKED BY	BS	7/11/90
APP'D BY	BC	8/8/90

AMP M/A-COM

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USE ASS'Y PROCEDURE

NO. A.P. N/A

TITLE "OSX" PLUG TO "OSM" PLUG ADAPTER

SIZE	CODE IDENT NO.		REV
B	26805	5881-2241-00	01_1
SCALE 8 : 1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1061071-1
SHEET 1 OF 1 REV A