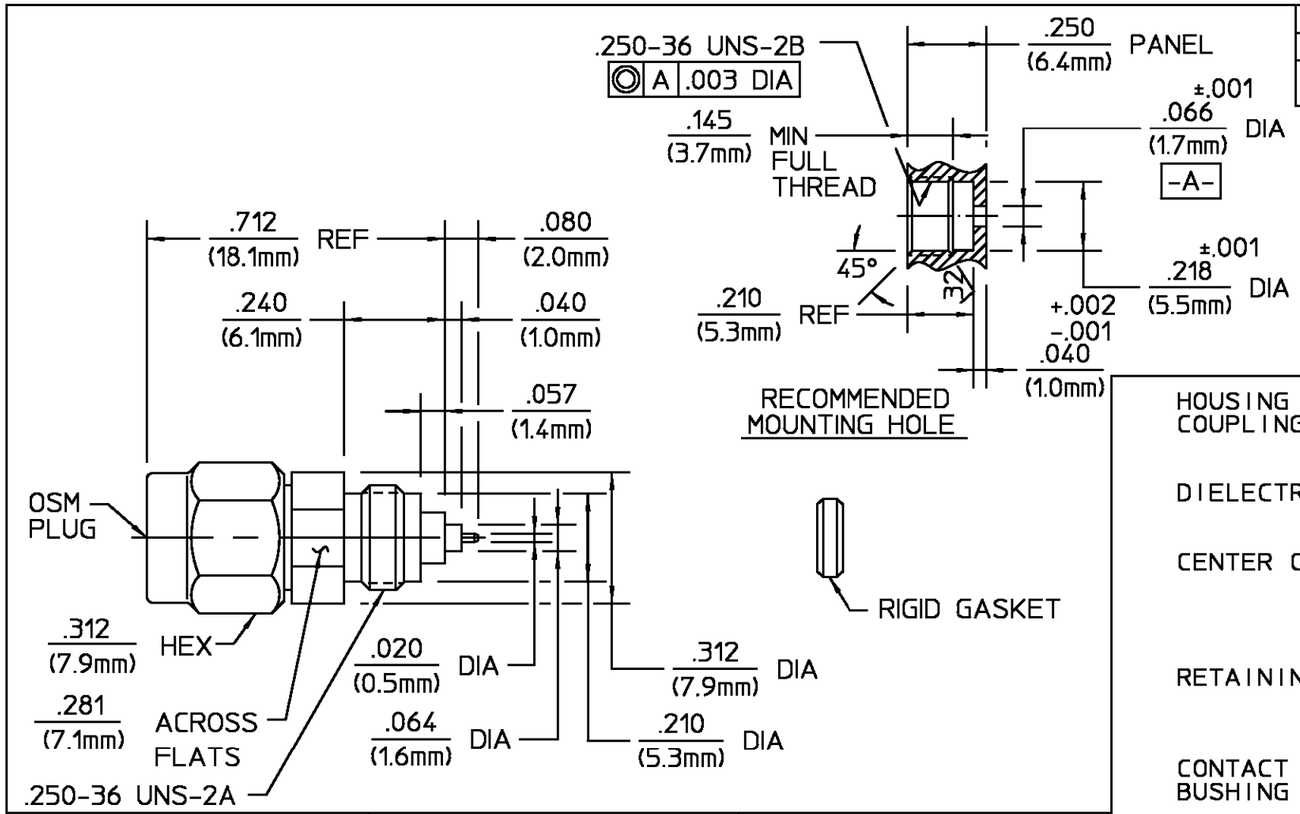
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_0	RELEASED	07/08/92	MDD



COMPONENT	MATERIAL	FINISH
HOUSING 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 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	N/A
CONTACT EXT. BUSHING	IRON-NICKEL-COBALT ALLOY PER MIL-I-23011 CLASS 1 (KOVAR)	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
RIGID GASKET	SAE C12L14 STEEL	SILVER PLATE PER QQ-S-365
HERMETIC SEAL	GLASS BEAD	N/A

ELECTRICAL		MECHANICAL		ENVIRONMENTAL
Nominal Impedance (Ohms)	50	Interface Dimensions MIL-STD-348A Fig. 310.1		Temperature Rating -65°C To +125°C
Frequency Range (GHz)	DC - 18	Recommended Mating Torque	7 to 10 in-lbs	Vibration - MIL-STD-202, Method 204, Condition D, 20G's
VSWR	1.04+.009 f(GHz)	Mating Characteristics:		Shock - MIL-STD-202, Method 213, Condition I, 100G's
Insertion Loss (dB MAX)	$.04\sqrt{f(GHz)}$	Insertion (MAX Lbs)	N/A	Thermal Shock MIL-STD-202, Method 107, Condition B
RF Leakage (dB MIN)	-(100 - f(GHz))	Withdrawal (MIN Oz)	N/A	Moisture Resistance - MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN)	333	Force To Engage (In-Lbs MAX)	2.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN)	1000 @ sea level	Force To Disengage (In-Lbs MAX)	2.0	Leak Test - MIL-STD-202, Method 112, Condition C, Procedure I, 1×10^{-8} cc/sec
Contact Resistance (Milliohms MAX)		Center Contact Captivation		
Center Contact	10.0	Axial (Lbs)	6.0	
Outer Contact	2.0	Radial (In-Oz)	N/A	
RF High Potential @ sea level (VRMS MIN @ 5 MHz)	667	Weight (Grams)	T.B.D.	
I.R.(Megohms)	5000			

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

DRAWN BY MDOWNS DATE 03-18-92
CHECKED BY MC 5-18-92
APP'D BY MDD 07/08/92

AMP

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

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USE ASS'Y PROCEDURE

NO. AP. 20-601

TITLE OSM BULKHEAD SPARK PLUG HERMETICALLY SEALED

SIZE	CODE IDENT NO.		REV
B	26805	2057-5119-02	01_0

SCALE 3 : 1 SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1053128-1
SHEET 1 OF 1 REV A

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