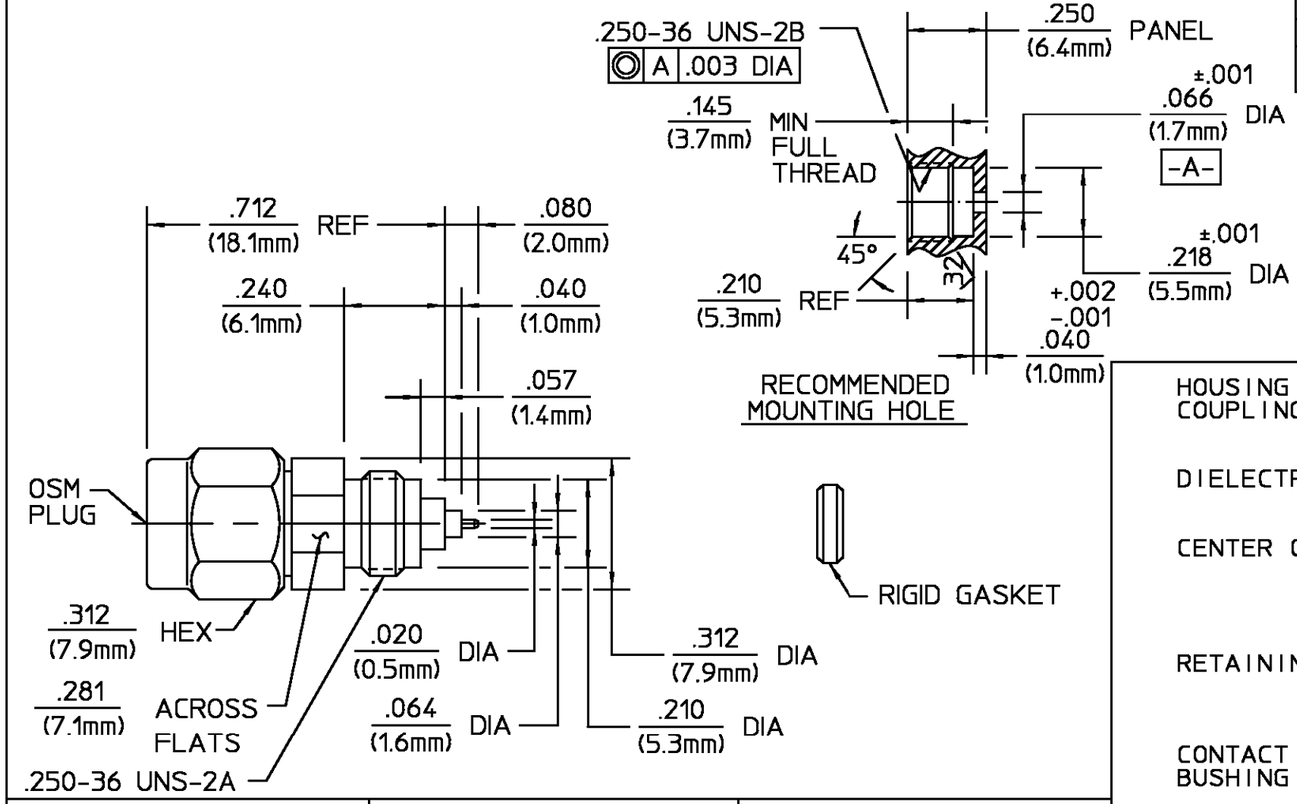
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_0	RELEASED	07/08/92	GDO



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

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

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

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DRAWN BY DOWJ DATE 03-18-92
CHECKED BY 5-18-92
APP'D BY GDO 07/08/92

USE ASS'Y PROCEDURE

NO. A.P. 20-601

AMP

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

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