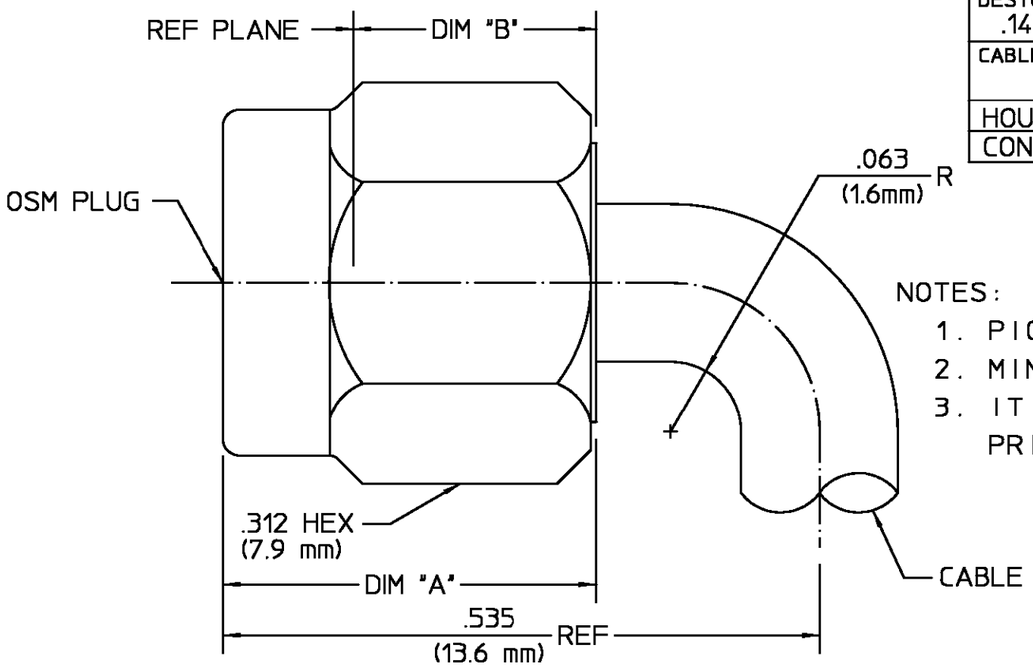

DESIGNED FOR USE WITH .141 S.R.(RG 402/U)	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.143
CONTACT	.037

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
01 1	ADDED CABLE, .535REF & .063R, ECN 85-0991	D.CAM 12/5/85	RR 12/5/85
01 2	.335±.020 WAS .330±.020, ECN 86-0076	JM 2/13/86	R.GIERAS
02 0	MAJOR CHANGE, ECN 88-0382-2	MH/M 3/2/88	D.CAMELIO
02 1	REDRAWN IN CAD, ECN 88-0678	KCM 11/28/89	L.ROSS 12/4/89
02 2	ADDED ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECS PER ECN 90-0493	M.C. 7-25-90	BB. 7-26-90

NOTES:

1. PICTORIAL VIEW IS AFTER CRIMPING
2. MIN STRAIGHT CABLE LENGTH: .175
3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING

	DIM "A"	DIM "B"
BEFORE CRIMPING	.335 REF (8.5 mm)	.310 REF (7.9 mm)
AFTER CRIMPING	.355 MAX (9.0 mm)	.230 REF (5.8 mm)

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT BUSHING	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
RETAINING RING	BERYLLIUM COPPER PER ASTM B194	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348,	Temperature Rating -65° to +105°C
Frequency Range (GHz) DC to 18	Recommended Mating Torque (In/Lbs) 7-10	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 500	Center Contact Captivation	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05+.005f(GHz)	Axial (Lbs) 6	Thermal Shock MIL-STD-202, Method 102, Condition C
Insertion Loss (dB MAX) .03x $\sqrt{f(GHz)}$	Radial (In/Oz) NONE	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) (Interface Only, Fully Mated) -(100-f(GHz))	Cable Retention	Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) 375	Axial Force (Lbs) 60	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1500	Torque (In/Oz) 55	
Contact Resistance (Milliohms MAX)	Weight (Grams) 2.0	
Center Contact 2.0		
Outer Contact 2.0		
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000		
I.R.(Megohms MIN) 5000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON

FRAC.	DEC.	ANGLES
± 1/64	±.005	± 1°

DRAWN BY	D.CAM	DATE 9/26/85
CHECKED BY	RG	11/14/85
APP'D BY	RG	11/14/85

AMP

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USE ASS'Y PROCEDURE

NO. A.P. 408-04696 (20-312)

TITLE OSM LOW PROFILE STRAIGHT CABLE PLUG COMPRESSION CRIMP ATACHMENT

SIZE	CODE IDENT NO.		REV
B	26805	2001-5395-02	02 2

SCALE 8:1 SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050602-1
SHEET 1 OF 1 REV A