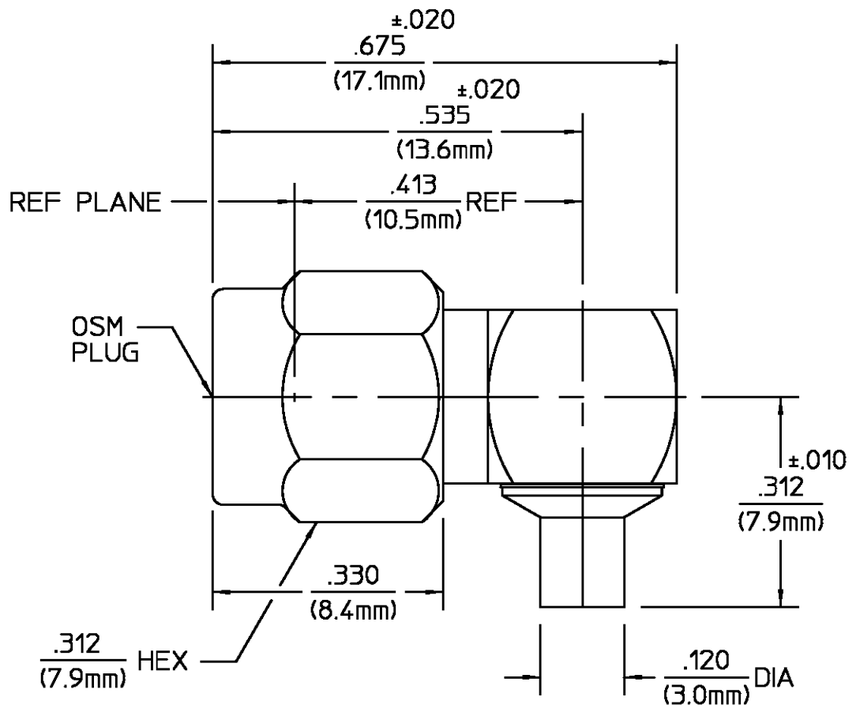

DESIGNED FOR USE WITH .085 S/R CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.089
CONTACT	.023

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
01_0	RELEASED	10/24/90	CAS
02_0	AP # WAS 20-344, CABLE ENTRY DIA WAS .037 SLOT, ECN 91-0190	BB 3/21/91	KCM 3/25/91

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz) DC to	18
Volt Rating (VRMS MAX)	
@ Sea Level	335
VSWR	1.10 + .01(f)
Insertion Loss (dB MAX)	$.05\sqrt{f(GHz)}$
RF Leakage (dB MIN)	-90
Corona, 70,000 Ft (VRMS MIN)	250
Dielectric Withstanding Voltage	
(VRMS MIN) @ Sea Level	1000
Contact Resistance (Milliohms MAX)	
Center Contact	3.0
Outer Contact	2.0
Cable to Housing	0.5
RF High Potential @ Sea Level	
(VRMS MIN @ 5 MHz)	670
I.R.(Megohms MIN)	5000

MECHANICAL	
Interface Dimensions MIL-STD-348,	
Fig.	310-1
Recommended Mating	
Torque	7-10 IN-LBS
Mating Characteristics:	
Insertion (MAX Lbs)	N/A
Withdrawal (MIN Oz)	N/A
Force to Engage and	
Disengage (In/Lbs MAX)	2
Center Contact Captivation	
Axial (Lbs)	6
Radial (In/Oz)	N/A
Cable Retention	
Axial Force (Lbs)	30
Torque (In/Oz)	16
Weight (Grams)	T.B.D.

ENVIRONMENTAL
Temperature Rating -65 to 105°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 B, Except High Temp +115°C
Moisture Resistance MIL-STD-202, Method 106, Except Vibration Shall Be Omitted. Resistance 200 Megohms Within 5 Minutes.
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray

COMPONENT	MATERIAL	FINISH
HOUSING CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
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 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON

FRAC.	DEC.	ANGLES
± 1/64	±.005	± 1°

		DATE
DRAWN BY	B.M.EDWARDS	10/23/90
CHECKED BY	BB	10/24/90
APP'D BY	CAS	10/24/90

AMP

AMP Incorporated
140 Fourth Avenue
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USE ASS'Y PROCEDURE

408-04706
NO. A.P. (20-460)

TITLE OSM RIGHT ANGLE CABLE PLUG - DIRECT SOLDER ATTACHMENT

SIZE	CODE IDENT NO.		REV
B	26805	2007-5116-02	02_0
SCALE 5:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1051120-1
SHEET 1 OF 1 REV A