



DESIGNED FOR USE WITH .085 S.R.	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.088
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₁	REVISED	9/12/96/96	[Signature]

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 310-1	Temperature Rating <u>-65°C to 165°C</u>
Frequency Range (GHz) DC to <u>12.4</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Torque <u>7 to 10 In-Lbs</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.10 +0.01 f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) <u>.05 x√ f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Except High Temp <u>+115°C</u>
RF Leakage (dB MIN) <u>-90 @ 2 to 3 GHz</u>	Withdrawal (MIN Oz) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	
Center Contact <u>4.0</u>	Radial (In-Oz) <u>4.0</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (LXs) <u>30</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In-Oz) <u>16</u>	
IR.(Megohms MIN) <u>5,000</u>	Weight (Grams) <u>TBD</u>	

COMPONENT	MATERIAL	FINISH
HOUSING EXTRA HOUSING CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
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		DRAWN BY JM DATE 11/8/85		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1°		CHECKED BY RG DATE 11/12/85			
		APPD BY RG DATE 11/12/85			
These drawings and specifications are the property of M/A COM Interconnect Div. and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.		USE ASS'Y PROCEDURE		TITLE "OSM" RIGHT ANGLE CABLE PLUG DIRECT SOLDER ATTACHMENT M39012/80-3007 CAT E	
NO. AP. 408-04844 (20-562)		SIZE B	CODE IDENT NO. 26805	2007-8007-92	REV 01 ₁
		SCALE 5:1			SHEET 1 OF 1

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CUSTOMER DRAWING

AMP PART # 1051168-1
SHEET 1 OF 1 REV A