


DESIGNED FOR USE WITH	085 S.R.
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.089
CONTACT	.037

REVISIONS		DATE	APPROVED
REV	DESCRIPTION		
01	REVISED	9/3/88	[Signature]

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

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 10925/87	 M/A-COM, Inc. Waltham, MA 02254								
FRAC. DEC ANGLES ± 1/64 ±.005 ± .1°	CHECKED BY 11/2/87									
	APPROVED BY 11/2/87									
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 item(s) without written permission.	USE ASSY PROCEDURE	TITLE 'OSM' RIGHT ANGLE CABLE PLUG DIRECT SOLDER ATTACHMENT M39012/80B3103 CAT B								
	NO. AP. 20-547	<table border="1"> <tr> <td>SIZE B</td> <td>CODE IDENT NO. 26805</td> <td>2007-8103-92</td> <td>REV 01</td> </tr> <tr> <td>SCALE 5:1</td> <td colspan="2"></td> <td>SHEET 1 OF 1</td> </tr> </table>	SIZE B	CODE IDENT NO. 26805	2007-8103-92	REV 01	SCALE 5:1			SHEET 1 OF 1
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