



DESIGNED FOR USE WITH	.141 SEMI-RIGID CABLE
CABLE ENTRY DIAMETER	MINIMUM
CONTACT	.037
HOUSING	.145

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 ₁	REVISED	03/22/95	<i>AD</i>

COMPONENT	MATERIAL	FINISH
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
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

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. <u>310.1</u>	Temperature Rating <u>-65°C to +165°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating Torque <u>7-10 in-lbs</u>	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Shock MIL-STD-202, Method 213, Condition I.
VSWR <u>1.05 + .005f</u> (GHz)	Withdrawal (MIN Oz) <u>1.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Except High Temp <u>+115°C</u>
RF Leakage (dB MIN) <u>-90 @ 2-3GHz</u>	Center Contact Captivation Axial (Lbs) <u>6.0</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Radial (In-Oz) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u>	Cable Retention Axial Force (Lbs MIN) <u>60.0</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u>	Torque (In-Oz) <u>55.0</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>TBD</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u>		
I.R.(Megohms MIN) <u>5,000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRAC. ± 1/64	DEC. ±.005	ANGLES ± 1°
--------------	------------	-------------

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 ASS'Y PROCEDURE

408-04943 (20-321)

NO. AP.

DRAWN BY E. HOYLE DATE 8/9/85

CHECKED BY R. GIERAS DATE 8/13/85

APPD BY R. GIERAS DATE 8/13/85

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE **OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT**

SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	2001-5397-02	REV <u>02₁</u>
---------------	-----------------------------	--------------	---------------------------

SCALE 10 : 1 .141 S/R SHEET 1 OF 1