



CABLE ENTRY DIAMETER		REVISIONS			
MINIMUM	REV	DESCRIPTION	DATE	APPROVED	
HOUSING	.143	03 ₀ REVISED	1-13-99	PATLAN	

- NOTES:
1. DESIGNED FOR USE WITH .141 DIA. (RG 402/U) SEMI-RIGID CABLE.
 2. PICTORIAL VIEW IS AFTER CRIMPING.
 3. MIN. STRAIGHT CABLE LENGTH .389
 4. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING.

OPERATION	DIM "A"	DIM "B"
AFTER CRIMPING	.406 10.3 MAX	.281 7.1 REF.
BEFORE CRIMPING	.502 REF.	.385 9.8 REF.

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348 Fig. 310.3	Temperature Rating <u>-65° to +105°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>	Cable Retention Axial Force (lbs) <u>60</u> Torque (in/oz) <u>55</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.035 @ 0.05GHz</u>		Thermal Shock MIL-STD-202, Method 102, Condition C
Insertion Loss (dB MAX) <u>.03 @ 1GHz</u>		Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(100-1GHz)</u>		Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>375</u>		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>		
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u> Outer Contact <u>2.0</u> Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u>		
I.R. (Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER 00-P-35
GASKET	SILICONE RUBBER PER ZZ-R-765, CLASS 2B	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY RG	DATE 9-21-84	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. DEC. ANGLES 1/64 .005 ° °	CHECKED BY RG	9-21-84	
	APPROVED BY RG	9-21-84	
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 ASSY PROCEDURE	TITLE "SMA" STRAIGHT CABLE PLUG SOLDERLESS COMPRESSION CRIMP ATTACHMENT M39012/92-3201	
	NO. A.P. <u>20-581</u>	SIZE B	CODE IDENT NO. 26805
		SCALE 7:1	2001-8201-92
			REV 03 ₀
			SHEET 1 OF 1

CUSTOMER 1050791
SHEET 1 OF 1
REV 0