



DESIGNED FOR USE WITH	
.085 DIA S.R. CABLE	
CABLE ENTRY DIAMETER	
MINIMUM	
CONTACT	.0215
HOUSING	.088

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	PATLAN 3/30/98	<i>Patlan</i>

HOUSING	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	PTFE 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	Temperature Rating <u>-65°C to 165°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Fig. <u>310.1</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Recommended Mating	Shock MIL-STD-202, Method 213, Condition I
@ Sea Level <u>335</u>	Torque <u>7 to 10 in-LBs</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C
VSWR <u>1.07 + .008f(GHz)</u>	Mating Characteristics:	Moisture Resistance MIL-STD-202, Method 106
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
RF Leakage (dB MIN) <u>-[90-f(GHz)]</u>	Withdrawal (MIN Oz) <u>N/A</u>	
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>N/A</u>	
Center Contact <u>3.0</u>	Radial (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (Lbs) <u>30</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In-Oz) <u>16</u>	
I.R.(Megohms MIN) <u>5,000</u>	Weight (Grams) <u>1.8</u>	

.XXX = in  
XX.X = mm (REF)

COMPONENT	MATERIAL	FINISH						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON								
FRAC.	DEC.	ANGLES						
± 1/64	±.005	± °						
DRAWN BY PATLAN DATE 3-10-98		M/A-COM a Division of AMP Incorporated 140 Fourth Avenue Waltham, MA 02154-7577						
CHECKED BY								
APPD BY <i>Patlan</i> DATE 4/3/98		<b>AMP M/A-COM</b> TITLE SMA STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT M39012/79-3101 CAT B						
USE ASS'Y PROCEDURE								
NO. AP. 408-04920 (20-543)		<table border="1"> <tr> <td>SIZE</td> <td>CODE IDENT NO.</td> <td>REV</td> </tr> <tr> <td>B</td> <td>26805</td> <td>010</td> </tr> </table>	SIZE	CODE IDENT NO.	REV	B	26805	010
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B	26805	010						
SCALE 6:1		SHEET 1 OF 1						