



DESIGNED FOR USE WITH .141 DIA S.R. CABLE	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.039
HOUSING	.144

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	REVISED	3/29/95	<i>M.V.</i>
B	REVISED PER 0U20-0176-01	G.V 8/14/02	

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A-380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	VITON "A" PER MIL-G-83528	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1'	DRAWN BY <i>BB</i> DATE 3/9/94	 AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
	CHECKED BY		
These drawings and specifications are the property of Amel Spectra Incorporated 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 DSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT	
	408-04673 NO. A.P. (20-679)	SIZE B	CODE IDENT NO. 26805
		SCALE 5:1	2001-5557-02

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 310.1	TEMPERATURE RATING -65°C TO 165°C
Frequency Range (GHz) DC to 18.0	Recommended Mating Torque 7 to 10 In-Lbs	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 500	Mating Characteristics	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.05 + .005f(GHz)	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, EXCEPT HIGH TEMP 115°C
Insertion Loss (dB MAX) .03 √f(GHz)	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -(90-f(GHz))	Force to Engage and Disengage (In/Lbs MAX) 2.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 375	Center Contact Captivation	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000	Axial (Lbs) N/A	
Contact Resistance (Milliohms MAX)	Radial (In/Oz) N/A	
Center Contact 3.0	Cable Retention	
Outer Contact 2.0	Axial Force (Lbs) 60	
Cable to Housing 0.5	Torque (In/Oz) 55	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000	Weight (Grams) T.B.D.	
I.R.(Megohms MIN) 5,000		

CUSTOMER DRAWING

AMP PART # 1050629-1
SHEET 1 OF 1 REV B