

P/N			A			B		
-1			.062			.025		
-2			.125			.050		
-3			.250			.050		

REVISIONS				ZONE				DESCRIPTION(S)				DATE				BY			
-				A				ECO 19300 (SEPARATE DWGS)				05.20.06				DKN			

SMA FEMALE INTERFACE
PER MIL-STD-348

R.P.

WIDE TAP

THICK TAP

DRAWING NO.		REV.	
5246		A	

MATERIAL(S):		ELECTRICAL(S):		MECHANICAL(S):		ENVIRONMENTAL(S):	
Body and Plate: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Screws: 316 sst and 18-8 sst		Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.10 + .02*(f(GHz)). Insertion Loss: .07 *sqrt(f(GHz)) dB max. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1000 Vrms min. R.F. HiPot Voltage: 670 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -(90 - fGHz). Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 4.0 Milliohm max.		Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Center Contact Retention: Axial Force: 6 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu.		Temperature Range: -65°C to +125°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.	

FINISH(ES):		APPLICABLE TENSOLITE DOCUMENTS		TOLERANCES AND NOTES EXCEPT AS NOTED		Tensolite	
Body, Plate, Screw and Center Conductor Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.		WORK STD PROD INST ASSY INST NA NA NA NA		DIMENSIONS ARE IN INCHES LINEAR .XX ±.015 ANGULAR ± 1/2 FRACTION ± 1/32 1. MACHINE FINISH 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH 5. .002 T.I.R. TO BE ADHERED TO 6. CHAMFERS TO BE SET TO .005 INCHES 7. CHAMFERS TO BE SET TO .005 INCHES 8. THREADS PER H-28 9. REMOVE ALL BURRS 10. REMOVE ALL BURRS		SPECIFICATION HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815	
				APPROVAL INITIALS DATE DRAWN BY R.C. 03.28.02 CHECKED QUALITY ENGINEERING PM 05.22.06		TITLE SMA FEMALE PCB EDGE MOUNT TO STRIPLINE TERMINATION	
				SCALE SUB-DIRECTORY/RELEASE 5:1 OL\5246-basic		SHEET 1 of 1	
				CAGE CODE C 30990		DRAWING NO. 5246	