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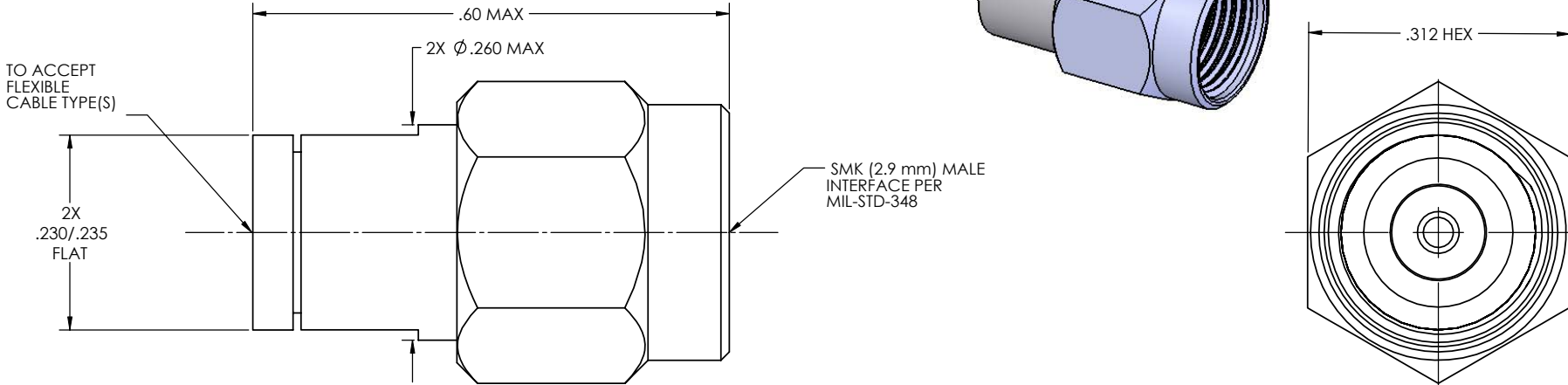
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PART NO.	CABLE TYPE(S)
-4CCSF	TLL40-1111A
-5CCSF	TLL40-1130A
-6CCSF	TLL40-1130B

REVISIONS			
REV	DESCRIPTION	DATE	BY



NOTE(S): ALL ITEM SHIPPED UNASSEMBLED EXCEPT BODY ASSEMBLIES.

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
BODY, NUT, SPACER, RETAINING BOLT: 303 SST PER ASTM A-582 CENTER CONDUCTOR: BeCu ALLOY PER ASTM B-196 INSULATOR: MITSUI PLASTIC CABLE INSERT: BRASS ALLOY PER ASTM B-16 GASKET: SILICONE RUBBER PER A-A-59588	Impedance: 50 Ohms Nominal. Freq. Range: DC TO 40 GHz VSWR: $1.030 + .019 \sqrt{f}$ (GHz) Insertion Loss: .30 dB max to 40 GHz Working Voltage: 500 Vrms max @ Sea Level Dielectric Withstand Voltage: 1500 Vrms min. RF HiPot Voltage: 1000 Vrms min @ 5MHz Corona Level: 375 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 Outer Contact: NA	Mating Characteristics: Interface per Mil-Std-348 Force to Engage and Disengage: Torque: 2 inch-lbs max. Longitudinal Force: NA Connector Durability: 500 Cycles min @ 12 cycles/minute max Permeability: Less than 2.0 mu Coupling Proof Torque: 15 inch-lbs min Coupling Mech. Retention: 60 lbs min	Temp. Range: -65°C to +165°C Thermal Shock: MIL-STD-202, Method 107, Test Cond. B Moisture Resistance: MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity Corrosion: MIL-STD-202, Method 101, Test Cond. B Vibration: MIL-STD-202, Method 204, Test Cond. B Shock: MIL-STD-202, Method 213, Test Cond. I

FINISH:		APPLICABLE TENSOLITE DOCUMENTS			TOLERANCES AND NOTES EXCEPT AS NOTED								
INSERT, CENTER CONDUCTOR: GOLD PLATE PER ASTM B-488 OVER NICKEL PLATE PER AMS-QQ-N-290 BODY, NUT, SPACER, RETAINING BOLT: PASSIVATED PER ASTM A-967 OR AMS-QQ-P-35		WORK STANDARD	PROD INSTRUC	ASSY INSTRUC	DIMENSIONS ARE IN INCHES LINEAR .XX ± .015 ANGULAR ± 1/2° FRACTION ± 1/32				SIZE		SPECIFICATION		PROCUREMENT
		NA	NA	A1627									
							1. MACHINE FINISH: ✓ RMS						
							2. BREAK ALL SHARP EDGES .005 MAX.						
					NOTICE								
					THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN, ORIGINATED BY TENSOLITE COMPANY, AND LONG BEACH, CALIFORNIA. NO REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS LIMITED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURVEY AND USE. BY ACCEPTING THIS DRAWING, NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON OR TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HEREBY ARE EXPRESSLY RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90815.								
							3. MACHINED FILLETS .005 MAX.						
							4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.						
							5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 TIR.						
					6. DIMENSIONS TO BE MET BEFORE PLATING.								
					7. CHAMFER ALL THREADS 45°.								
					8. THREADS PER #26.								
					9. REMOVE FRAYED EDGES ON TEFLON.								
					10. REMOVE ALL BURRS.								
							APPROVAL INITIALS		DATE				
							DRAWN BY		HT		09.25.07		
							CHECKED BY						
							TEST ENGR						
							QUALITY						
							DESIGN ENGR		TEN		06.11.08		
							MFG. ENGR						
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