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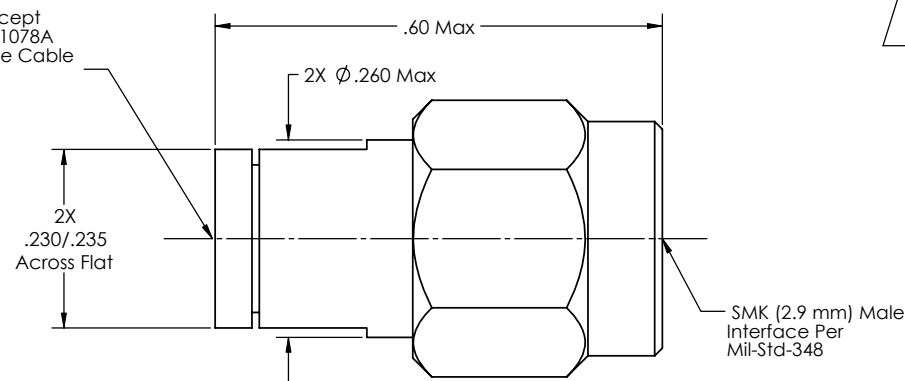
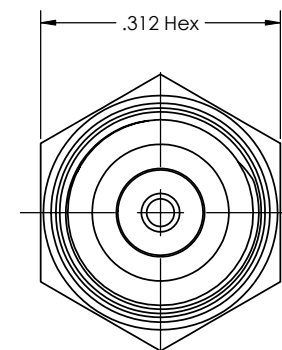
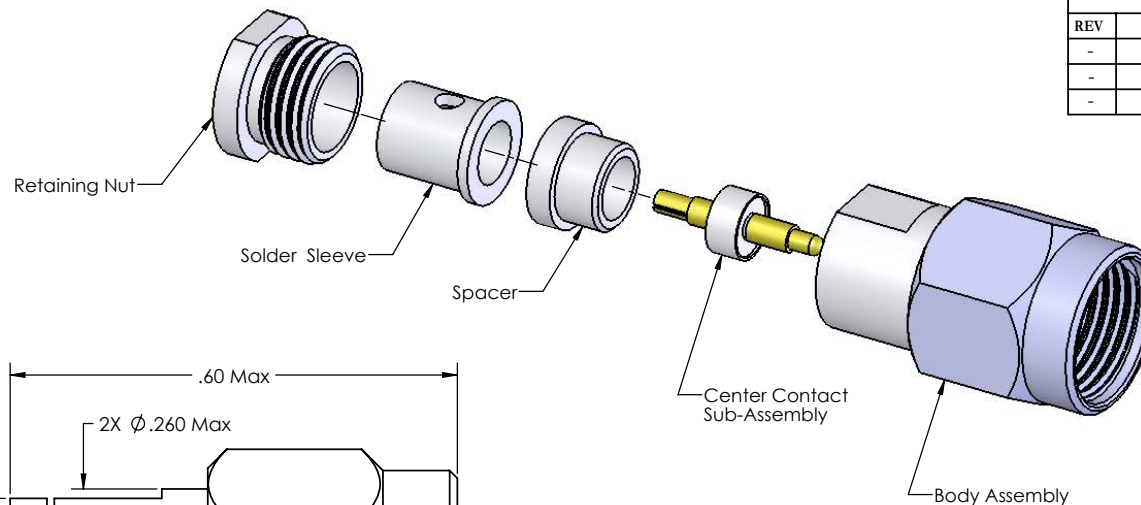
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PART NO.	CABLE TYPE
-2CCSF	TLL40-1078A

REVISIONS			
REV	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	05.20.09	HN
-	-	-	-
-	-	-	-



Note: All Items Except Body Assembly to be packaged & shipped unassembled.

PRELIMINARY

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body, Coupling Nut, Spacer, & Retaining Nut: 303 sst per ASTM A-582 Center Conductor: BeCu alloy per ASTM B-196 Insulator: Mitsui Plastic Solder Sleeve: Brass alloy C360 per ASTM B-16 Gasket: Silicone Rubber per A-A-59588	Impedance: 50 Ohms Nominal. Freq. Range: DC To 40 GHz VSWR: $1.08 + .005 \times f \text{ (GHz)}$ Insertion Loss: $.05 \times \sqrt{f \text{ (GHz)}}$ dB Working Voltage: 500 Vrms max @ Sea Level Dielectric Withstand Voltage: 1,500 Vrms min. RF HiPot Voltage: 1,000 Vrms min @ 5MHz Corona Level: 375 Vrms @ 70,000 ft Insulation Resistance: 5,000 MegOhms min. R.F. Leakage: $-(90 - f \text{ GHz})$ dB min. 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 Center Contact Retention: 6 lbs min Axial	Temp. Range: -65°C to $+165^{\circ}\text{C}$ 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 CARLISLE IT DOCUMENTS	TOLERANCES AND NOTES	APPROVAL	SIZE	SPECIFICATION	PROCUREMENT
Solder Sleeve, & Center Conductor: Gold Plate per ASTM B-488 Over Nickel Plate per SAE-AMS-QQ-N-290 Body, Coupling Nut, Spacer, & Retaining Nut: Passivated per ASTM A-967 Or SAE-AMS-QQ-P-35	WORK STANDARD NA PROD INSTRU NA ASSY INSTRU TBD	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR $XX \pm .015$ ANGULAR $\pm 1/2^{\circ}$ FRACTION $\pm 1/32$ 1. MACHINE FINISH: $\sqrt{}$ RMS 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. MACHINED DIAMETERS CONCENTRIC WITHIN .002 TLR. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-28 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	APPROVAL INITIALS DATE DRAWN BY HN 05.20.09 TEST ENGR CHECKED BY ATV 05.26.09 QUALITY DESIGN ENGR HN 05.22.09 MFG ENGR	1:1 C 30990	SMK (2.92mm) MALE STRAIGHT TO TLL40-1078A FLEXIBLE CABLE	Interconnect Technologies Long Beach, CA 90815 SHEET 1 OF 1 REV. -

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