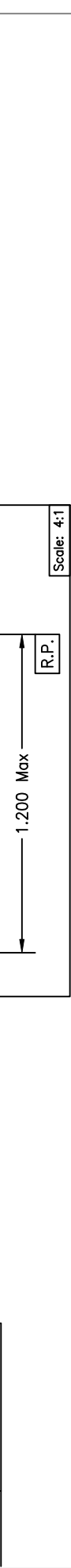


P/N	CABLE TYPES
-1	RG-55,58,141,142 223,303,400
-1SF	RG-55,58,141,142 223,303,400

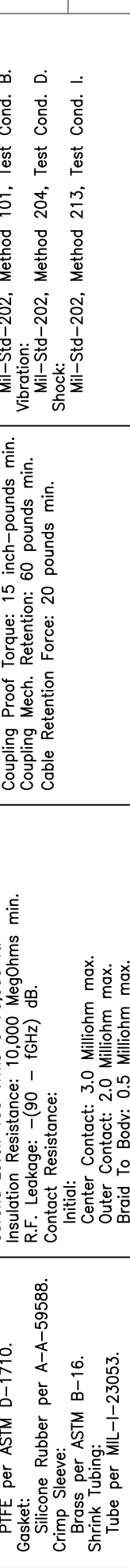


ZONE	REV	DESCRIPTION	DATE	BY
A	ECO 15895	(SEPARATE DWG)	07.17.03	DKN
B	ECO 19555		09.07.06	DKN
C	ECO 21891		01.08.09	DKN



* CENTER CONDUCTOR, CRIMP SLEEVE & SHRINK TUBING TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body And Coupling Nut: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Retaining Ring: BeCu alloy per ASTM B-196 or ASTM B-197. Dielectric: PTFE per ASTM D-1710. Gasket: Silicone Rubber per A-A-59588. Crimp Sleeve: Brass per ASTM B-16. Shrink Tubing: Tube per MIL-I-23053.	Impedance: 50 Ohms nominal. Frequency Range: Maximum operating freq. of cable. VSWR: 1.15 + .02 X f(GHz). Insertion Loss: .06 √f (GHz). Working Voltage: 250 Vrms max @ sea level. Dielectric Withstanding Voltage: 750 Vrms min. R.F. HiPot Voltage: 500 Vrms min @ 5MHz. Corona Level: 190 Vrms @ 70,000 ft. Insulation Resistance: 10,000 MegOhms min. R.F. Leakage: -(90 - fGHz) dB. Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. Braid To Body: 0.5 Milliohm max.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min. Cable Retention Force: 20 pounds min.	Temperature 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 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 CARLISLE IT DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED
Center Conductor & Crimp Sleeve: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. Body: For (-1): Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. For (-1SF): Passivate per ASTM A-967.	WORK STD: NA PROD INST: NA ASSY INST: MA NOTICE THIS DRAWING EXHIBITS A CARLISLE INTERCONNECT TECHNOLOGIES DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN MANUFACTURING, REVISIONS, AND THE RESPECTIVE PARTS BY ACCEPTING THIS DRAWING FOR FABRICATION, THE BUYER ASSUMES RESPONSIBILITY FOR VERIFYING DIMENSIONS TO BE MET BEFORE PLATING. UNAUTHORIZED PERSONS TO INCORPORATE OTHER PROJECTS INTO SPECIAL FEATURES OF THIS DESIGN. ALL PARTS MUST BE EXPRESSLY IDENTIFIED BY CARLISLE INTERCONNECT TECHNOLOGIES, LONG BEACH, CA 90815.	DIMENSIONS UNLESS OTHERWISE SPECIFIED: LINEAR: .0015 ANGULAR: ± 1/2° FRACTION: 1/32 1. MACHINE FINISH: ∅/MS 2. BREAK ALL SHARP EDGES .002 MAX. 3. MACHINED FILLETS: .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE DIMENSIONS UNLESS OTHERWISE SPECIFIED. 5. MACHINED DIAMETERS CONCENTRIC WITHIN DIMENSIONS TO BE MET BEFORE PLATING. 6. CHAMFER ALL PARTS THRUHOLE .45°. DIMENSIONS TO BE MET BEFORE PLATING. 7. REMOVE PARTS THRUHOLE .45°. DIMENSIONS TO BE MET BEFORE PLATING. 8. REMOVE PARTS THRUHOLE .45°. DIMENSIONS TO BE MET BEFORE PLATING. 9. REMOVE PARTS THRUHOLE .45°. DIMENSIONS TO BE MET BEFORE PLATING. 10. REMOVE ALL BARRIERS.

APPROVAL INITIALS	DATE	MATERIAL	SIZE	SPECIFICATION	PROCUREMENT
IMG	03.28.02				
CARLISLE Interconnect Technologies Long Beach, CA 90815					
TITLE: SMA MALE STRAIGHT TO FLEXIBLE CABLE SCALE: SUB-DIRECTORY/FILENAME DRAWN BY: ATY TEST ENG: 5:1 QUALITY: 1.13.09 DESIG ENG: 1.13.09 MFG ENG: 1.13.09 SIZE: C 30990 CASE CODE: 5730-1 DRAWING NO.: 5730-1 SHEET: 1 OF 1 REV:					