



P657-10CC

Carlisle Interconnect Technologies

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Company Address

Arrow Electronics, Inc
9201 East Dry Creek Road
Centennial, CO 80112

P/N	CABLE TYPE(S)	FIGURE(S)
-1CC	RG178	1
-2CC	RG316	
-3CC	RD178	
-4CC	RD316	
-9CC	TLL18-1087	
-5CC THRU -10CC: OBSOLETE		

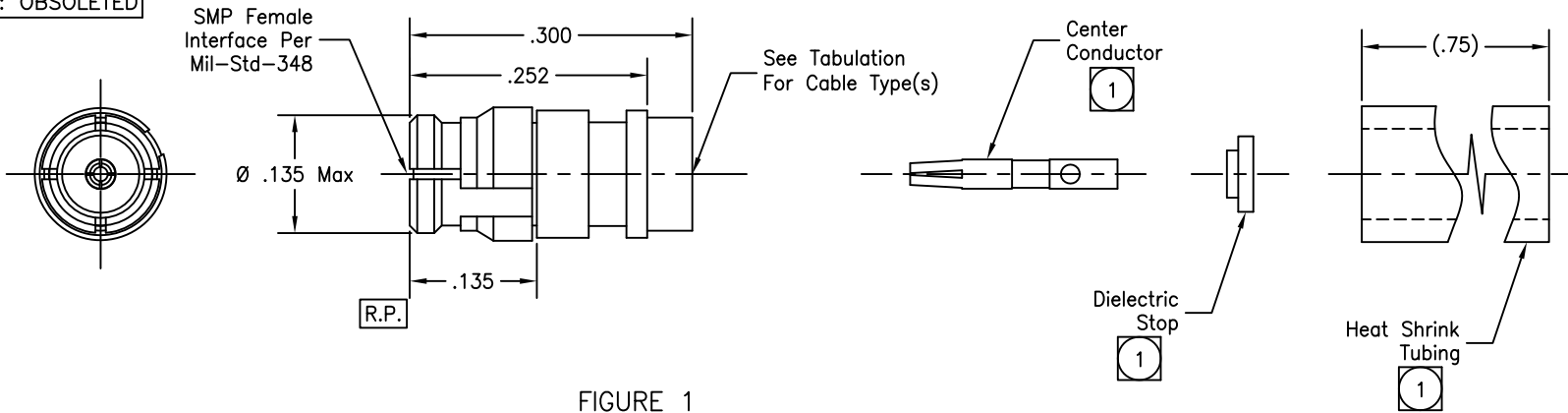


FIGURE 1

Note(s):

- 1. Center conductor, dielectric stop and heat shrink tubing to be packaged and shipped unassembled.

MATERIAL(S):	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Center Conductor: BeCu alloy per ASTM B-196. EMI & Anti-Rock Ring: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Dielectric Stop: Polyetherekeytone (PEEK) or Torton. Heat Shrink Tubing: Per SAE AMS-DTL-23053/4	Impedance: 50 Ohms nominal. Frequency Range: DC to 40.0 GHz.** VSWR: 1.20:1 max to 18.0 GHz. 1.35:1 max to 26.5 GHz.** 1.50:1 max to 40.0 GHz.** Insertion Loss: 0.05 \sqrt{f} (GHz) dB max. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 500 Vrms min. R.F. HiPot Voltage: 325 Vrms min @ 5MHz. Corona Level: 190 Vrms @ 70,000 ft. Insulation Resistance: 5,000 MegOhms min. Contact Resistance: Center Contact: 6.0 Milliohm max. Outer Contact: 2.0 Milliohm max. R.F. Leakage: -80 dB max to 3.0 GHz. -65 dB max to 26.5 GHz.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage: Full Detent: 15 lbs max Limited Detent: 10 lbs max Smooth Bore: 2 lbs max Force To Disengage: Full Detent: 5 lbs min Limited Detent: 2 lbs min Smooth Bore: .5 lbs min Center Contact Retention: Axial Force: 1.5 pounds min. Radial Torque: NA Connector Durability: Full Detent: 100 cycles Limited Detent: 500 cycles Smooth Bore: 1,000 cycles	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B, except high temperature to be +165°C or maximum high temperature of cable. Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1,000 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	MATERIAL	SPECIFICATION	PROCUREMENT																						
Body & Center Conductor: Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25 over nickel under plated per SAE AMS-QQ-N-290, Class 1. EMI & Anti-Rock Ring: Gold plate per ASTM B-488, Type II, Code C, Class 0.25 over nickel under plated per SAE AMS-QQ-N-290, Class 1.	<table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table> <p>NOTICE</p> <p>THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PRODUCTS ANY SPECIAL FEATURE REGULAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, CERRITOS, CA 90703</p>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	DIMENSIONS ARE IN INCHES. LINEAR .0004-0.125 ANGULAR ± 1/2° FRACTION ± 1/32 1. MACHINE FINISH: .63 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 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREDS PER 14-28 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BUMPS.	<table border="1"> <thead> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN BY BRD</td> <td>01.31.96</td> </tr> <tr> <td>CHECKED BY DNG</td> <td>08.30.12</td> </tr> <tr> <td>TEST ENGG</td> <td></td> </tr> <tr> <td>QUALITY</td> <td></td> </tr> <tr> <td>DESIGN ENGG P.MAO</td> <td>07.15.08</td> </tr> <tr> <td>MFG ENGG</td> <td></td> </tr> <tr> <td>ECO APPRV PCV</td> <td>08.22.12</td> </tr> </tbody> </table>	APPROVAL INITIALS	DATE	DRAWN BY BRD	01.31.96	CHECKED BY DNG	08.30.12	TEST ENGG		QUALITY		DESIGN ENGG P.MAO	07.15.08	MFG ENGG		ECO APPRV PCV	08.22.12	CARLISLE Interconnect Technologies Cerritos, CA 90703 TITLE SMP FEMALE STRAIGHT TO FLEXIBLE CABLE SCALE 10:1 DIRECTORY\SUB-DIRECTORY OUTLINE\OL_\ SHEET 1 OF 1 SIZE C CAGE CODE 30990 DRAWING NO. P657 REV. K	
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REVISIONS			
REV	DESCRIPTION	DATE	BY
J	ECO 21401	06.26.08	P.MAO
K	ECO 26099 (OBSOLETE -5 THRU -8 & -10CC)	08.21.12	DKN