



<b>MATERIAL(S):</b> R/A Body: 304 sst per SAE-AMS 5511. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Epoxy: (for CC & CCSF) Sigma VF type HV.	<b>ELECTRICAL:</b> Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.10 + .005 x f(GHz). Insertion Loss: .10 dB max to 6 GHz Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1500 Vrms min. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 375 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -(90 - fGHz) dB min. for Basic & SF. -(60 - fGHz) dB min. for CC & CCSF Contact Resistance: Before Environment: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 6.0 Milliohm max. Outer Contact: NA.	<b>MECHANICAL:</b> Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-lbs max. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. * Center Contact Retention: Axial Force: 6 pounds min. Radial Torque: N/A  * Applicable to CC, CCSF	<b>ENVIRONMENTAL:</b> Temp. Range: -65°C to +125°C (All Captivated) -65°C to +165°C (Basic & SF) 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. B. Shock: Mil-Std-202, Method 213, Test Cond. I.
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<b>FINISH(ES):</b> Body (for SF & CCSF): Passivate per ASTM A-967. Body (for Basic & CC): Gold plate per ASTM B-488, type II, code C, class .25, over nickel under plate per AMS-QQ-N-290, class 1. Center Conductor: Gold plate per ASTM B-488, type II, code C, class 1.25, over nickel under plate per AMS-QQ-N-290, class 1.	<b>APPLICABLE CARLISLE IT DOCUMENTS</b> <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> <b>NOTICE</b> <small>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. IF 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 INTO OTHER PRODUCTS ANY SPECIAL FEATURE REGULAR TO THIS DESIGN, ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, CERRITOS, CA 90703</small>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	<b>TOLERANCES AND NOTES EXCEPT AS NOTED</b> <small>DIMENSIONS ARE IN INCHES.          LINEAR .XX ±.015          .000 ±.005          ANGULAR ± 1/2°          FRACTION ± 1/32</small> 1. MACHINE FINISH: 63/ RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES 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. THREADS PER H-28 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	<table border="1"> <thead> <tr> <th colspan="2">MATERIAL</th> <th colspan="2">SPECIFICATION</th> <th colspan="2">PROCUREMENT</th> </tr> </thead> <tbody> <tr> <td>APPROVAL INITIALS</td> <td>DATE</td> <td colspan="2" rowspan="2"><b>CARLISLE</b> Interconnect Technologies Cerritos, CA 90703</td> <td colspan="2" rowspan="2">TITLE SMA FEMALE RADIUS R/A 4 HOLE (.500 SQ) FLANGE MOUNT W/SOLDER POT TERM.</td> </tr> <tr> <td>DRAWN BY</td> <td>03.20.02</td> </tr> <tr> <td>CHECKED BY</td> <td></td> <td>SCALE</td> <td>10:1</td> <td>DIRECTORY/SUB-DIRECTORY</td> <td>OUTLINE\</td> </tr> <tr> <td>TEST ENGG</td> <td></td> <td>DESIGN ENGG</td> <td>HN</td> <td>11/09/11</td> <td>SHEET 1 OF 1</td> </tr> <tr> <td>QUALITY</td> <td></td> <td>MFG ENGG</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ECO APPRV</td> <td>DNg</td> <td>12.06.24</td> <td>C</td> <td>CAGE CODE</td> <td>30990</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>DRAWING NO.</td> <td>5430</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>REV.</td> <td>B</td> </tr> </tbody> </table>	MATERIAL		SPECIFICATION		PROCUREMENT		APPROVAL INITIALS	DATE	<b>CARLISLE</b> Interconnect Technologies Cerritos, CA 90703		TITLE SMA FEMALE RADIUS R/A 4 HOLE (.500 SQ) FLANGE MOUNT W/SOLDER POT TERM.		DRAWN BY	03.20.02	CHECKED BY		SCALE	10:1	DIRECTORY/SUB-DIRECTORY	OUTLINE\	TEST ENGG		DESIGN ENGG	HN	11/09/11	SHEET 1 OF 1	QUALITY		MFG ENGG				ECO APPRV	DNg	12.06.24	C	CAGE CODE	30990					DRAWING NO.	5430					REV.	B
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