

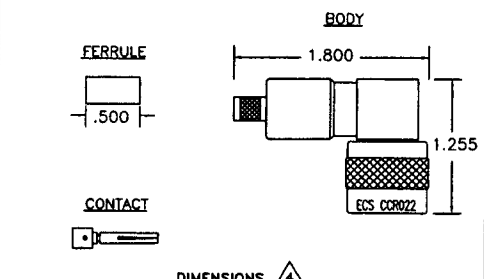
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DWG NO.	CCR022-1	SH	1	REV.	A
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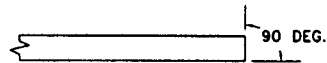
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**SPECIFICATIONS**  
**ELECTRICAL**  
 IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY RANGE: 0-11 GHz  
 VSWR: 1.30:1 MAXIMUM  
 INSERTION LOSS: .1 dB MAX @ DC TO 2 GHz  
 WORKING VOLTAGE: 1000 VRMS @ SEA LEVEL  
 DIELECTRIC WITHSTANDING: 3000 VRMS @ SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC  
**MECHANICAL**  
 CONNECTOR INTERFACE DIMENSION PER MIL-STD-348A FIGURE 302-1  
 TERMINATION STYLE: INNER CONTACT-SOLDER OR CRIMP  
 OUTER CONTACT-FERRULE CRIMP  
 CABLE RETENTION: 50 LBS  
**ENVIRONMENTAL**  
 TEMPERATURE RATING: -65 TO +165 DEG. C  
 VIBRATION: MIL-STD-202, METHOD 204, COND. B  
 SHOCK: MIL-STD-202, METHOD 213, COND. I  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, COND. B  
 CORROSION: MIL-STD-202, METHOD 101, COND. B  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106  
**MATERIALS**  
 BODY: BRASS PER QQ-B-626  
 FERRULE: ANNEALED BRASS PER QQ-B-626  
 CABLE CONTACT: BERYLLIUM COPPER PER QQ-C-530  
 CENTER CONTACT: BRASS PER QQ-B-626  
 OUTER CONTACT: BERYLLIUM COPPER PER QQ-C-530  
 DIELECTRIC: TEFLON PER L-P-403  
 GASKET: SILICONE RUBBER PER ZZ-R-765  
**FINISHES**  
 BODY, FERRULE: BRIGHT NICKEL PER QQ-N-290  
 CENTER CONTACT: GOLD PER MIL-G-45204

**INSTALLATION INSTRUCTIONS**

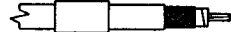
1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



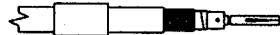
2. WHEN USING AUTOMATIC STRIPPING EQUIPMENT, STRIP CABLE AS SHOWN STARTING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. IF AUTOMATIC STRIPPING EQUIPMENT IS NOT AVAILABLE, STRIP L1 AND L3 ONLY AND TRIM EXCESS BRAID AT STEP 10.



3. SLIDE THE FERRULE AND ADHESIVE HEAT SHRINK TUBING OVER THE END OF THE CABLE.



4. SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH Y1757 DIE. ENSURE THE CONTACT IS BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



5. USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



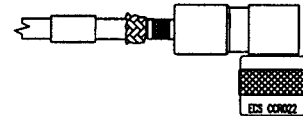
6. SLICE THE ALUMINUM/POLYESTER FOIL LENGTHWISE ABOUT EVERY 1/8". GENTLY ROTATE PIN TO SEPARATE THE FLAT FOIL BRAID AND ALUMINUM/POLYESTER FOIL FROM THE DIELECTRIC. USING TWEEZERS, FOLD BACK ALUMINUM/POLYESTER FOIL OVER THE OUTER BRAID.



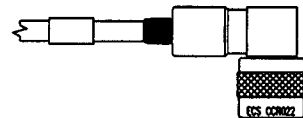
7. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER BRAIDS, LEAVING AS MUCH WEAVE AS POSSIBLE. NOTE: TAKE CARE NOT TO UNRAVEL DIELECTRIC WHEN PULLING BACK INNER SHIELD.



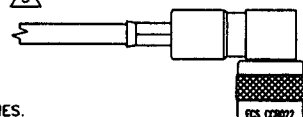
8. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CONTACT UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR.



9. FOLD ALL BRAIDS UP OVER THE NECK OF THE CONNECTOR BODY.



10. SLIDE THE FERRULE OVER THE BRAIDS AND AGAINST THE CONNECTOR BODY. TRIM AWAY ANY EXCESS BRAID. CRIMP THE FERRULE ONCE, NEXT TO THE BODY, USING A M22520/5-21 DIE IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK.



**NOTES**

- ALL DIMENSIONS ARE IN INCHES.
- ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.
- ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION W10007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
- CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
- DELETED.
- DELETED.

ALL LENGTHS IN INCHES		ECS ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300	
APPROVALS	DATE	TITLE: CUSTOMER SPECIFICATION	
DRAWN BY: E. ANDERSON	10/27/97	C RIGHT ANGLE PLUG FOR ECS CABLE 310801	
CHECKED BY: C. CHAPMAN	9/15/98	SIZE	CAGE CODE
DESIGNED BY:		B	66197
PROJECT ENG: M. TAUBENHEIN	9/10/98	LEVEL	PART NO.
ENG. MGR: P. JOBE	6/4/99		CCR022
SCALE:	FILE NO	F:\ECSPEC\COMM\INST\CCR022	SHEET: 1 OF 1

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