DWG NO.	SH	REV.
CCR122-I	1	B

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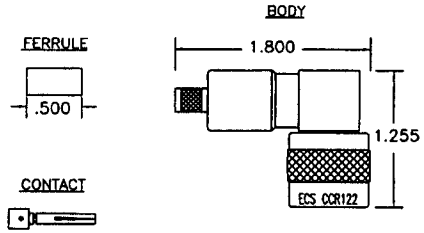


DIMENSIONS (4)

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

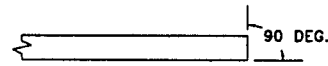
BODY: BRASS PER QQ-B-626
FERRULE: ANNEALED BRASS PER QQ-B-626
CABLE CONTACT: BERYLLIUM COPPER PER QQ-C-530
CENTER CONTACT: BRASS PER QQ-B-626
OUTER CONTACT: BERYLLIUM COPPER PER QQ-C-530
DIELECTRIC: TEFLON PER L-P-403
GASKET: SILICONE RUBBER PER ZZ-R-765

FINISHES

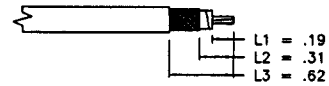
BODY, FERRULE: BRIGHT NICKEL PER QQ-N-290
CENTER CONTACT: GOLD PER MIL-G-45204

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 (2) 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 M22520/5-57 DIE (B HEX). 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.

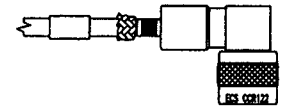


7. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE THE OTHER BRAIDS, LEAVING AS MUCH WEAVE AS POSSIBLE. NOTE: TAKE CARE NOT TO UNRAVEL DIELECTRIC WHEN PULLING BACK INNER SHIELD.

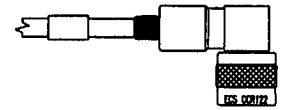


REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
5190		N/C	NEW RELEASE.	2/4/97	JBH
6189		A	SEE ECN# 6189	9/10/98	MCT
13276		B	SEE ECN# 13276	7/3/01	

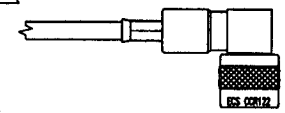
8. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CONTACT UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR.



9. FOLD ALL THREE 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 M22520/5-47 DIE IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK. (3)



NOTES

1. ALL DIMENSIONS ARE IN INCHES.
(2) ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.
(3) ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION WI0007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
(4) CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
5. DELETED.
6. DELETED.

ALL LENGTHS IN INCHES

APPROVALS	DATE
DRAWN BY: M TAUBENHEIM	2/4/97
CHECKED BY: M TAUBENHEIM	2/4/97
DESIGNED BY:	
PROJECT ENG:	
ENG. MGR: JB HACKETT	2/4/97

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TITLE: CUSTOMER SPECIFICATION
C RIGHT ANGLE PLUG FOR ECS CABLE 311201, 421201

SIZE	CAGE CODE	LEVEL	PART NO.
B	66197		CCR122

SCALE: | FILE NO F:\E\SPEC\CONN\INST\CCR122-1 | SHEET: 1 OF 1