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DWG NO.

BBS722-1

SH

REV.

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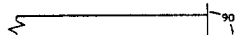
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INSTALLATION INSTRUCTIONS

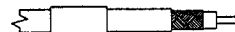
1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



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 ONLY L1 AND L3 AND TRIM EXCESS BRAID AT STEP 9.



3. SLIDE THE FERRULE AND ADHESIVE 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 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.

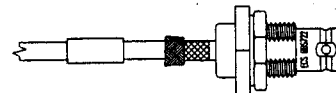


6. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OUTER SHIELD, LEAVING AS MUCH WEAVE AS POSSIBLE.

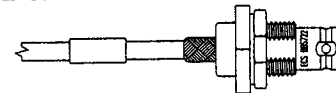


REVISIONS				DATE	APPROVED
ECN	ZONE	REV.	DESCRIPTION		
6188		N/C	NEW RELEASE	9/10/98	MCT
13271		A	SEE ECN	6/11/01	Paul H. Hurl

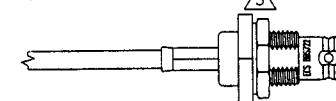
7. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR.
CAUTION: PUSH CABLE INTO THE CONNECTOR STRAIGHT TO AVOID KINKING THE CABLE.



8. FOLD BOTH BRAIDS OVER THE NECK OF THE CONNECTOR BODY.



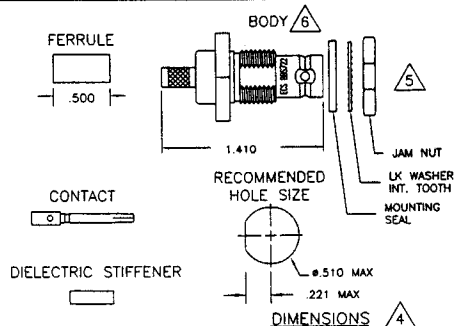
9. SLIDE THE FERRULE UP OVER THE SHIELDS AND AGAINST THE CONNECTOR BODY. TRIM AWAY ANY EXCESS BRAID. CRIMP THE FERRULE ONCE, NEXT TO THE BODY, USING AN M22520/5-57 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK.



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 W10007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
4. CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
5. INSTALL MOUNTING SEAL, LOCK WASHER AND JAMNUT IN ORDER SHOWN.
6. CONNECTOR PART NUMBER "ECS BBS722" IS ENGRAVED APPROXIMATELY WHERE SHOWN.
7. - 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	10/28/97	BNC BLKHD JACK FOR ECS CABLE 3C142B, 311901, AND 3C058A			
CHECKED BY: C CHAPMAN	9/15/98				
DESIGNED BY:					
PROJECT ENG: M TAUBENHEIN	9/10/98	SIZE B 66197	CAGE CODE	LEVEL	PART NO. BBS722
ENG. MGR: P JOBE	6/4/99	SCALE:	FILE NO. F:\E\SPEC\CONN\INST\BBS722	SHEET: 1 OF 1	



SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-4 GHz
VSWR: 1.2:1 MAXIMUM DC TO 2GHz
INSERTION LOSS: .1dB MAXIMUM DC TO 2GHz
WORKING VOLTAGE: 500 VRMS @ SEA LEVEL
DIELECTRIC WITHSTANDING: 1500 VRMS @ SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE DIMENSION PER MIL-STD-348A
FIGURE 301-2
TERMINATION STYLE: INNER CONTACT-SOLDER OR CRIMP
OUTER CONTACT-FERRULE CRIMP
CABLE RETENTION: 30 LBS

ENVIRONMENTAL

TEMPERATURE RATING: -65° TO +165°
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
CENTER CONTACT: BERYLLIUM COPPER PER QQ-C-530
DIELECTRIC: TEFLON PER L-P-403
GASKET: SILICON RUBBER PER ZZ-R-765

FINISHES

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

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