

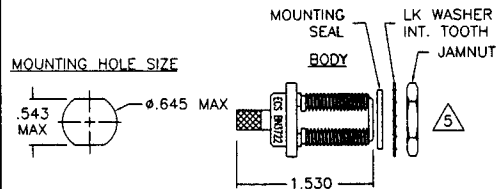
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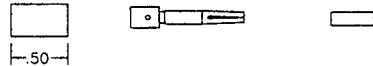
DWG NO. BN3722-1 SH 1 REV. A

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FERRULE CONTACT DIELECTRIC STIFFENER



DIMENSIONS  $\Delta$

#### SPECIFICATIONS

##### ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY RANGE: 0-11 GHz  
 VSWR: 1.2:1 MAXIMUM DC TO 2GHz  
 INSERTION LOSS: .1dB MAXIMUM DC TO 2GHz  
 WORKING VOLTAGE: 1000 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 304-2.  
 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

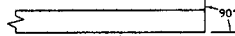
BODY: BRASS PER QQ-B-626  
 FERRULE: ANNEALED BRASS PER QQ-B-626  
 CENTER CONTACT: BERYLLIUM COPPER PER QQ-C-530  
 DIELECTRIC: TEFLON PER L-P-403  
 GASKET: SILICON RUBBER PER ZZ-R-765

##### FINISHES

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

#### INSTALLATION INSTRUCTIONS

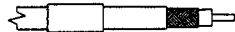
- BEGIN BY CUTTING THE CABLE OFF SQUARE.



- 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.



- SLIDE THE FERRULE AND ADHESIVE HEAT SHRINK TUBING  $\Delta$  OVER THE END OF THE CABLE.



- 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.



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

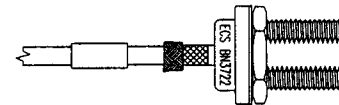


- USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OUTER SHIELD, LEAVING AS MUCH WEAVE AS POSSIBLE.

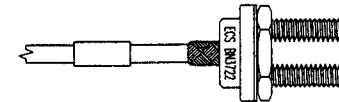


REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
6188		N/C	NEW RELEASE.	9/10/98	MCT
13272		A	SEE ECN	7/17/01	C Chapman

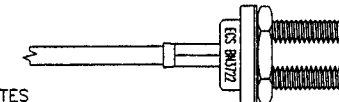
- SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR.  
**CAUTION:** PUSH CABLE INTO THE CONNECTOR STRAIGHT TO AVOID KINKING THE CABLE.



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



- 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 A M22520/5-57 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK.  $\Delta$



#### 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.
- INSTALL MOUNTING SEAL, LOCK WASHER AND JAMNUT IN ORDER SHOWN.
- 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	8/3/95	BULKHEAD N JACK FOR ECS CABLE 3C142B, 311901, AND 3C058A	
CHECKED BY: C. CHAPMAN	9/15/98	SIZE	CAGE CODE
DESIGNED BY:		B 66197	LEVEL
PROJECT ENG: M. TAUBENHEIM	9/10/98	PART NO.	BN3722
ENG. MGR: P. JOBE	6/4/99	SCALE:	FILE NO: F:\EVSPEC\CONN\INST\BN3722
			SHEET: 1 OF 1

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