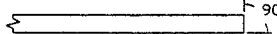


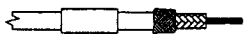
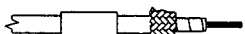
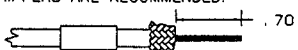

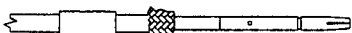
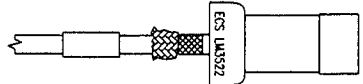


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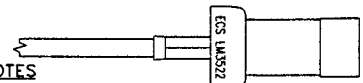
INSTALLATION INSTRUCTIONS

- BEGIN BY CUTTING THE CABLE OFF SQUARE.  90 DEG.
- STRIP THE CABLE AS SHOWN, BEGINNING WITH L1 AND ENDING WITH L2. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. THE USE OF A STRIPPER DESIGNED FOR COAXIAL CABLE IS RECOMMENDED.  L1 = .40
L2 = .71
- SLIDE THE FERRULE AND ADHESIVE SHRINK TUBING ² OVER THE END OF THE CABLE. 
- 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 BRAID, LEAVING AS MUCH WEAVE AS POSSIBLE. 
- REMOVE THE DIELECTRIC FROM THE CENTER CONDUCTOR BACK TO THE EDGE OF THE FOLDED BACK BRAIDS, APPROXIMATELY .70 INCHES FROM THE END OF THE CENTER CONDUCTOR. BE CAREFUL NOT TO NICK THE CENTER CONDUCTOR. THERMAL STRIPPERS ARE RECOMMENDED.  .70
- INSTALL DIELECTRIC STIFFENER OVER CENTER CONDUCTOR, ENSURING THAT IT IS BUTTED AGAINST THE CABLE DIELECTRIC. 
- 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 DIELECTRIC STIFFENER. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER. 

REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
3571		N/C	NEW RELEASE	10/1/96	JBH
6189		A	UPDATED SPECS.	9/15/98	MCT
12962		B	SEE ECN	8/6/01	C. Chapman

- 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. **CAUTION:** PUSH CABLE INTO THE CONNECTOR STRAIGHT TO AVOID KINKING THE CABLE. 

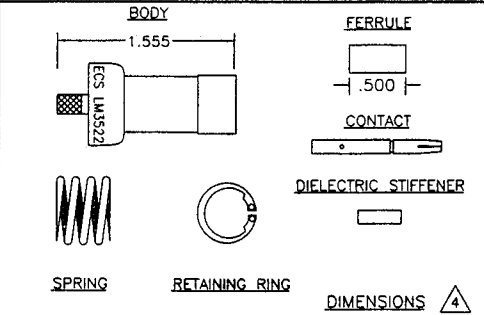
- FOLD BOTH BRAIDS OVER THE NECK OF THE CONNECTOR BODY. 

- 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. ³ 

NOTES

- 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 W1007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
- ⁴ CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
- DELETED.
- DELETED.

ALL LENGTHS IN INCHES		ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300	
APPROVALS	DATE	TITLE: CUSTOMER SPECIFICATION	
DRAWN BY: M TAUBENHEIM	10/1/96	SIZE 1, ARINC 404 RF CONNECTOR FOR ECS CABLE 352001	
CHECKED BY: M TAUBENHEIM	10/1/96	SIZE	CAGE CODE
DESIGNED BY:		B	66197
PROJECT ENG: JB HACKETT	10/1/96	LEVEL	PART NO.
ENG. MGR:			LM3522
SCALE:		FILE NO. F:\E\SPEC\CONN\INST\LM3522	
		SHEET: 1 OF 2	



SPECIFICATIONS

ELECTRICAL
 IMPEDANCE: 50 OHMS NOMINAL
 FREQUENCY RANGE: 0-6 GHz
 VSWR: 1.70:1 MAXIMUM
 INSERTION LOSS: 0.3 dB @ 6 GHz
 DIELECTRIC WITHSTANDING: 2500 VRMS @ SEA LEVEL
 WORKING VOLTAGE: 1000 VRMS @ SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

MECHANICAL
 MECHANICAL INTERFACE PER ARINC SPEC 600 FIGURE 19-54.2
 TERMINATION STYLE: INNER CONTACT-SOLDER OR CRIMP
 OUTER CONTACT-FERRULE CRIMP
 CABLE RETENTION: 20 LBS

ENVIRONMENTAL
 TEMPERATURE RATING: -65° TO +200°
 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

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