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DWG NO.

P522-1

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REV.

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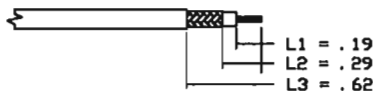
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INSTALLATION INSTRUCTIONS

1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



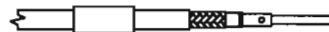
2. STRIP THE CABLE AS SHOWN, BEGINNING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. THE USE OF A STRIPPER DESIGNED FOR COAXIAL CABLE IS RECOMMENDED.



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. ENSURE THE CONTACT IS BUTTED AGAINST THE 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. SLIT FOIL LONGITUDINALLY AND FOLD BACK OVER THE OTHER SHIELD.



REVISIONS

ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
14000	-	N/C	NEW RELEASE	7/23/01	C CHAPMAN
16772	-	A	REMOVE STIFFENER, CHANGE STRIP DIM. UPDATED NOTES	5/19/03	D KNOLL
48205	-	B	ADDED 532101 TO TITLE BLOCK	11/26/12	CAC
49846	-	C	ADDED CABLE RETENTION NOTE	6/5/13	CAC

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 CONDUCTOR STRAIGHT TO AVOID KINKING THE CABLE.



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

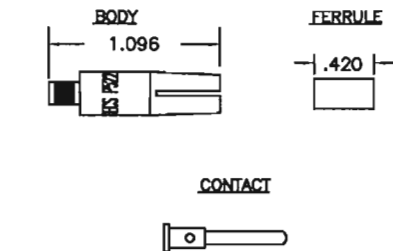


9. SLIDE THE FERRULE UP OVER THE SHIELDS AND AGAINST THE CONNECTOR BODY. TRIM AWAY ANY EXCESS BRAID. CRIMP THE FERRULE ONCE, NEXT TO THE BODY, USING A M22520/5-09 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK. Δ



NOTES

- Δ ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.
 Δ ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION W1007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.



SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-1700 MHz
VSWR: 1.5:1 MAXIMUM
INSERTION LOSS: .1dB MAXIMUM DC TO 2GHz
WORKING VOLTAGE: 325 VRMS @ SEA LEVEL
DIELECTRIC WITHSTANDING: 750 VRMS @ SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE: DIMENSIONS PER ARINC SPEC 800 FIGURE 19-60.1
TERMINATION STYLE: CENTER CONTACT-SOLDER FERRULE-CRIMP

ENVIRONMENTAL

TEMPERATURE RATING: -65° TO +165° C
CABLE RETENTION: 15 LBS

MATERIALS

BODY: BERYLLIUM COPPER PER ASTM B196
FERRULE: ANNEALED, BRASS PER ASTM B16 OR COPPER PER ASTM B124
CENTER CONTACT: BRASS PER ASTM B16
INNER BODY DIELECTRIC: TEFLON PER ASTM D1710

FINISHES

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

APPROVALS		DATE	ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300			
DRAWN BY: J STEVENS		7/12/01	TITLE: CUSTOMER SPECIFICATION SIZE 5, ARINC 600 RF CONNECTOR FOR ECS CABLES 432101 & 532101			
CHECKED BY: C CHAPMAN		7/23/01				
DESIGNED BY:			SIZE	CAGE CODE	LEVEL	PART NO.
PROJECT ENG:			B	66197		P522
ENG. MOD:		7/24/01	SCALE:	FILE NO	SHEET: 1 OF 1	

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