

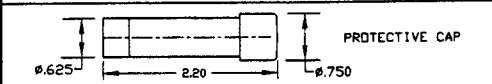
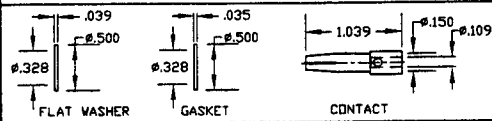
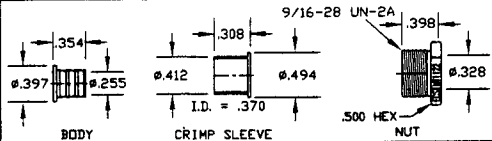
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DWG NO.	SH	REV.
MT1122-1	1	A

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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 19-54.6-1
 TERMINATION STYLE: CENTER CONTACT-SOLDER OR CRIMP
 CRIMP SLEEVE-FERRULE CRIMP
 CABLE RETENTION: 50 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

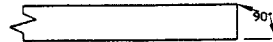
GASKET: SILICONE RUBBER PER ZZ-R-765
 WASHER: BRASS PER ASTM B16
 BODY: BRASS PER QQ-B-626
 CRIMP SLEEVE: ANNEALED, BRASS PER ASTM B16
 CENTER CONTACT: BERYLLIUM COPPER PER ASTM B196
 DIELECTRIC: TEFLON PER ASTM D1710

FINISHES

WASHER: GOLD PER MIL-G-45204
 CRIMP SLEEVE: GOLD PER MIL-G-45204
 CENTER CONTACT, BODY: GOLD PER MIL-G-45204

INSTALLATION INSTRUCTIONS

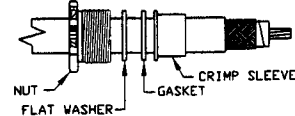
- BEGIN BY CUTTING THE CABLE OFF SQUARE.



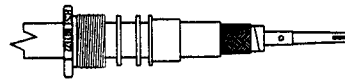
- WHEN USING AUTOMATIC STRIPPING EQUIPMENT, STRIP CABLE AS SHOWN STARTING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. IF AUTOMATIC STRIPPING EQUIPMENT IS NOT AVAILABLE, STRIP ONLY L1 AND L3 AND TRIM EXCESS BRAID AT STEP 9.



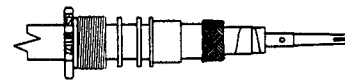
- SLIDE THE NUT, FLAT WASHER, GASKET, AND CRIMP SLEEVE OVER THE END OF THE CABLE.



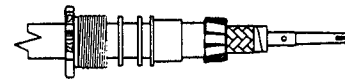
- SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH HAND TOOL M22520/1-01 AND DIE TP855 (DANIEL'S P/N). ENSURE THE CONTACT IS BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



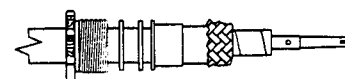
- USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



- SLICE THE ALUMINUM/POLYESTER FOIL LENGTHWISE ABOUT EVERY 1/8". USING TWEEZERS, FOLD BACK ALUMINUM/POLYESTER FOIL OVER THE OUTER BRAID.

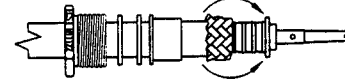


- USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE. NOTE: DO NOT UNRAVEL DIELECTRIC WHEN PULLING BACK INNER SHIELD.

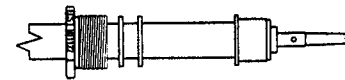


REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
13367		N/C	NEW RELEASE.	3/15/01	DAVID E. KNOLL
13411		A	CORRECT DIMENSION	3/2/01	DAVID E. KNOLL

- SLIDE THE BODY OVER THE END OF THE CABLE UNTIL IT IS FIRMLY SEATED AGAINST THE END OF THE CABLE JACKET. FOLD THE SHIELDS OVER THE CONNECTOR BODY.

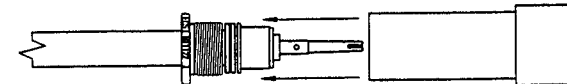


- WHILE MAINTAIN PRESSURE ON THE CONNECTOR BODY SLIDE CRIMPING SLEEVE OVER SHIELD UNTIL IT CONTACTS THE SHOULDER OF THE CONNECTOR BODY. IF NECESSARY SLIDE THE CRIMPING SLEEVE BACK SLIGHTLY AND TRIM EXCESS BRAID



- VERIFY THAT .090 TO .10 OF THE DIELECTRIC PROTRUDES THROUGH THE BODY ON THE CENTER CONTACT SIDE. WITH CRIMPING SLEEVE SEATED AGAINST THE SHOULDER OF THE BODY, CRIMP THE CRIMPING SLEEVE ONTO THE BODY USING HAND TOOL M22520/5-01 AND DIE Y807 (DANIEL'S P/N).

- SLIDE THE GASKET, WASHER, AND NUT TOWARD THE CABLE END AND SCREW PROTECTIVE CAP ONTO THE NUT.



ALL LENGTHS IN INCHES		ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300			
APPROVALS	DATE	TITLE: CUSTOMER SPECIFICATION			
DRAWN BY: C CHAPMAN	03/07/01	SIZE 1, ARINC 600 RF TERMINATION KIT FOR ECS CABLE 311201			
CHECKED BY: DAVID E. KNOLL	03/15/01	SIZE B	CAGE CODE 66197	LEVEL	PART NO. MT1122
DESIGNED BY:		SCALE:		SHEET: 1 OF 1	
PROJECT ENG:					
ENG. MGR: DAVID E. KNOLL	03/15/01				

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