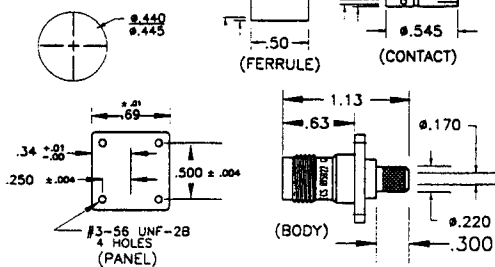


This print and associated documents and the contained information are the confidential property of ELECTRONIC CABLE SPECIALISTS. Disclosure of, and/or reproduction of, all of part thereof or manufacture of any part from information contained on this print not specifically permitted by ELECTRONIC CABLE SPECIALISTS in writing is forbidden.

DIMENSIONS

RECOMMENDED HOLE SIZE



SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL
 FREQUENCY RANGE: 0-11 GHZ
 VSWR: 1.2:1 MAXIMUM DC TO 2 GHZ
 INSERTION LOSS: .1dB MAXIMUM DC TO 2GHZ
 WORKING VOLTAGE: 500 VRMS @ SEA LEVEL
 DIELECTRIC WITHSTANDING: 1500 VRMS @ SEA LEVEL
 CONTACT RESISTANCE: .2 MILLIOHMS MAX
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE DIMENSION PER MIL-STD-348A FIGURE 313-2
 TERMINATION STYLE: INNER CONTACT-SOLDER OR CRIMP
 OUTER CONTACT-FERRULE CRIMP
 CABLE RETENTION: 40 LBS

ENVIRONMENTAL

TEMPERATURE RATING: -65° TO +165° C
 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

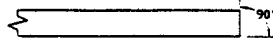
BODY: BRASS PER QQ-B-626
 FERRULE: ANNEALED BRASS PER QQ-B-626
 CENTER CONTACT: BERYLLIUM COPPER PER QQ-C-530
 DIELECTRIC: TEFLON PER L-P-403

FINISHES

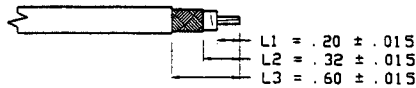
BODY, FERRULE: BRIGHT NICKEL PER QQ-N-290
 CENTER CONTACT: GOLD PER MIL-G-45204


INSTALLATION INSTRUCTIONS

1. BEGIN BY CUTTING THE CABLE OFF SQUARE.




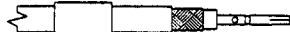
2. WHEN USING AUTOMATIC STRIPPING EQUIPMENT, STRIP CABLE AS SHOWN STARTING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. IF AUTOMATIC STRIPPING EQUIPMENT IS NOT AVAILABLE, STRIP ONLY L1 AND L3 AND TRIM EXCESS BRAID AT STEP 10.



3. SLIDE THE FERRULE AND ADHESIVE SHRINK TUBING  OVER THE END OF THE CABLE.



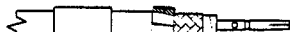
4. SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH M22520/5-13 DIE (B HEX). ENSURE THE CONTACT IS  BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



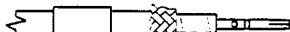
5. USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



6. SLICE THE ALUMINUM/POLYESTER FOIL LENGTHWISE ABOUT EVERY 1/8". GENTLY ROTATE PIN TO SEPARATE THE FLAT FOIL BRAID AND ALUMINUM/POLYESTER FOIL FROM THE DIELECTRIC. USING TWEEZERS, FOLD BACK ALUMINUM/POLYESTER FOIL OVER THE OUTER BRAID.

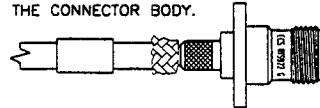


7. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE. NOTE: DO NOT UNRAVEL DIELECTRIC WHEN PULLING BACK OUTER SHIELD.

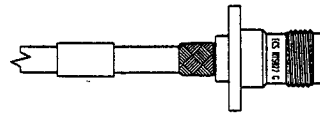



REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
10814		N/C	NEW RELEASE.	11/21/00	CAC

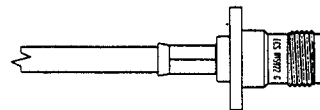
8. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR BODY.








9. FOLD ALL THREE BRAIDS UP OVER THE NECK OF THE CONNECTOR BODY.




10. 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 THE M22520/5-13 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE SHRINK TUBING. 



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.
-  CONNECTOR SHOULD HAVE A REFERENCE DESIGNATOR 'G' AFTER THE RTS922 PART NUMBER. IF NOT, CONTACT ECS FOR THE CORRECT SPECIFICATIONS
-  IF CONNECTOR DOES NOT HAVE THE DESIGNATOR "G", THEN THE CONTACT CANNOT BE CRIMPED.

ALL LENGTHS IN INCHES		ECS ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300			
APPROVALS	DATE	TITLE: CUSTOMER SPECIFICATION 			
DRAWN BY: C. CHAPMAN	1/29/00	TNC PANEL MOUNT JACK FOR ECS 311601 & 311501			
CHECKED BY: [Signature]	1/31/00	SIZE	CAGE CODE	LEVEL	PART NO.
DESIGNED BY:		B	66197		RTS922
PROJECT ENG: C. Chapman	1/31/00	SCALE:	EFFECTIVITY:	SHEET: 1 OF 1	
ENG. MGR: [Signature]	2/1/00				