SPECIFICATIONS

IMPEDANCE: 50 OHMS NOMINAL

FREQUENCY RANGE: 0-18 GHz

VSWR: 1.2:1 MAXIMUM DC TO 2GHz

INSERTION LOSS: .1dB MAXIMUM DC TO 2GHz

WORKING VOLTAGE: 500 VRMS © SEA LEVEL
DIELECTRIC WITHSTANDING: 1500 VRMS © SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM

TEMPERATURE RATING: -65' TO +165' C

BODY: STAINLESS STEEL PER QQ-S-763 FERRULE: ANNEALED BRASS PER QQ-8-626

GASKET: SILICON RUBBER PER ZZ-R-765

BODY: STAINLESS STEEL PER QQ-S-763 CONTACTS: GOLD PER MIL-G-45204 FERRULE: BRIGHT NICKEL PER QQ-N-290

VIBRATION: MIL-STD-202, METHOD 204, COND. D

CORROSION: MIL-STD-202, METHOD 101, COND. B

MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CABLE CONTACT: BERYLLIUM COPPER PER QQ-C-530

CENTER CONTACT: BERYLLIUM COPPER PER QQ-C-530

THERMAL SHOCK: MIL-STD-202, METHOD 107, COND. B

SHOCK: MIL-STD-202, METHOD 213, COND. I

CONNECTOR INTERFACE DIMENSION PER MIL-STD-348A

FERRULE-CRIMP

6 500 VOLTS DC

CABLE CONTACT-SOLDER OR CRIMP

ELECTRICAL

MECHANICAL

ENVIRONMENTAL

MATERIALS

FINISHES

FIGURE 310-1(SMA)

TERMINATION STYLE:

CABLE RETENTION: 40 LBS

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B

ECN ZONE REV.

40680 B2

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DATE

7/6/10

4/27/15 CAC

APPROVED

CAC

 \Box

В

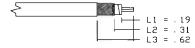
This print and associated documents and the contained information are the confidential property of ELECTRONIC CABLE SPECIALISTS. Disclosure of, and/or reproduction of, all or part thereof or manufacture of any part from information contained on this print not specifically permitted by ELECTRONIC CABLE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

INSTALLATION INSTRUCTIONS

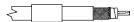
1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



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 1



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.



 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.



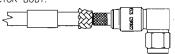
7. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE. NOTE: DO NOT UNRAVEL DIELECTRIC WHEN PULLING BACK INNER SHIELD.



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

REVISIONS

DESCRIPTION



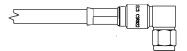
 FOLD ALL THREE BRAIDS UP OVER THE NECK OF THE CONNECTOR BODY.

C ADDED FLAG NOTE 5

55424 C4 D UPDATED VSWR AND INSERTION LOSS



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 HEAT SHRINK.



NOTES

1. ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.

ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION WIOO7. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.

3 CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.

4. PICTORIALS SHOW CONNECTOR INSTALLATION ON ECS 311501 AND 311601 CABLE. WHEN INSTALLING THIS CONNECTOR ON 421601 THERE ARE ONLY 2 SHIELDS WHICH SHOULD BE FOLDED BACK AS SHOWN IN STEP 6. STEP 7 WOULD BE OMITTED.

WHEN TERMINATING TO 421601 CABLE CENTER CONTACT SHALL BE SOLDERED.

DO NOT CRIMP.

ALL LENGTHS IN INCHES		ELECTRONIC CABLE SPECIALISTS FRANKIN, WI 53132 ECS PHONE: (414) 421-5300						
APPROVALS	DATE		CUSTOMER SPECIFICATION					
DRAWN BY M TAUBENHEIM	05/17/99	TITLE:						
CHECKED BY C CHAPMAN	05/20/99	SMA 90' PLUG FOR ECS CABLE 9/99 311501 & 421601						
DESIGNED BY:		SIZE	SIZE CAGE CODE LEVEL PART NO.					
PROJECT ENG: M TAUBENHEIM	05/20/99	В	661	97			CSR922	
ENG. MGR: P JOBE	05/20/99	FILE NO.	FILE NO. F:\STORAGE\E\SPEC\CONN\INST\CSR922 SHEET 1 OF 1					

A

DIELECTRIC: TEFLON PER L-P-403

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