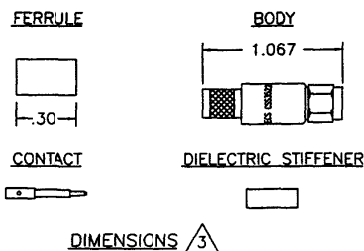


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SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.05 + .05 FGHZ. MAXIMUM
INSERTION LOSS: .03 VFGHZ dB MAX
WORKING VOLTAGE: 500 VRMS @ SEA LEVEL
DIELECTRIC WITHSTANDING: 1500 VRMS @ SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM
@ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE: DIMENSIONS PER MIL-STD-348A
FIGURE 310-1 (SMA)
TERMINATION STYLE: CABLE CONTACT-SOLDER OR CRIMP
FERRULE CRIMP
CABLE RETENTION: 20 LBS

ENVIRONMENTAL

TEMPERATURE RATING: -65° TO +165° C
VIBRATION: MIL-STD-202, METHOD 204, COND. D
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

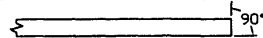
BODY: STAINLESS STEEL PER QQ-S-763
FERRULE: ANNEALED BRASS PER QQ-B-626
CENTER CONTACT: BRASS PER QQ-B-626
DIELECTRIC: TEFLON PER L-P-403
GASKET: SILICON RUBBER PER ZZ-R-765

FINISHES

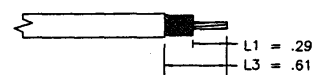
FERRULE: BRIGHT NICKEL PER QQ-N-290
CENTER CONTACT: GOLD PER MIL-G-45204

INSTALLATION INSTRUCTIONS

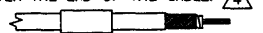
- BEGIN BY CUTTING THE CABLE OFF SQUARE.



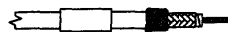
- WHEN USING AUTOMATIC STRIPPING EQUIPMENT, STRIP CABLE AS SHOWN STARTING WITH L1 AND ENDING WITH L2. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. IF AUTOMATIC STRIPPING EQUIPMENT IS NOT AVAILABLE, STRIP L1 AND L2 AND TRIM EXCESS BRAID AT STEP 9.



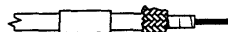
- SLIDE THE FERRULE AND ADHESIVE HEAT SHRINK OVER THE END OF THE CABLE.



- 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 OTHER SHIELD, LEAVING AS MUCH WEAVE AS POSSIBLE.



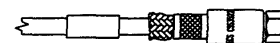
- SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH M22520/5-11 DIE (B HEX). ENSURE THE CONTACT IS BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



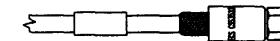
REVISIONS				
ECN	ZONE	REV.	DESCRIPTION	DATE
6188		N/C	NEW RELEASE	9/16/98
12899		A	SEE ECN	9/14/01

- SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE CONTACT SEATS AGAINST THE DIELECTRIC RIDGE INSIDE THE CONNECTOR.

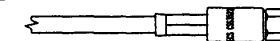
CAUTION: PUSH CABLE INTO THE CONNECTOR STRAIGHT, TO AVOID KINKING THE CABLE.



- FOLD BOTH BRAIDS UP 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 M22520/5-11 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK.



NOTES

- ALL DIMENSIONS ARE IN INCHES.
- ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION W1007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
- CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
- ENSURE HEATSHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.

APPROVALS		DATE		ECS ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300	
DRAWN BY: M. TAUBENHEIM		09/16/98		TITLE: CUSTOMER SPECIFICATION	
CHECKED BY: C. CHAPMAN		09/16/98		SMA STRAIGHT PLUG FOR ECS CABLE 352001	
DESIGNED BY:				SIZE: B	
PROJECT ENG: M. TAUBENHEIM		09/16/98		CAGE CODE: 66197	
ENG. MGR. PETER JOBE		06/04/99		LEVEL: C	
				PART NO.: CSS3522	
				SCALE: FILE NO. FILE/SPEC/CONN/INST/CSS3522 SHEET 1 OF 1	