BODY

1.560

CABLE CONTACT

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IMPEDANCE: 50 OHMS NOMINAL FREQUENCY RANGE: 0-11 GHz

VSWR: 1.2:1 MAXIMUM DC TO 2GHz

INSERTION LOSS: .1dB MAXIMUM DC TO 2GHz

DIELECTRIC WITHSTANDING: 1500 VRMS @ SEA LEVEL

CONNECTOR INTERFACE: DIMENSIONS PER MIL-STD-348A

FIGURE 313-1

FERRULE-CRIMP

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

© 500 VOLTS DC

CABLE CONTACT-SOLDER OR CRIMP

PER QQ-N-290

INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM

WORKING VOLTAGE: 500 VRMS @ SEA LEVEL

TEMPERATURE RATING: -65° TO +165° C

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

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

MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CABLE CONTACT: BERYLLIUM COPPER PER QQ-C-530

OUTER CONTACT: BERYLLIUM COPPER PER QQ-C-530

BODY, FERRULE AND OUTER CONTACT: BRIGHT NICKEL

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

FERRULE: ANNEALED BRASS PER QQ-B-626

CENTER CONTACT: BRASS PER QQ-B-626

GASKET: SILICONE RUBBER PER ZZ-R-765

CENTER CONTACT: GOLD PER MIL-G-45204

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SPECIFICATIONS

ELECTRICAL

MECHANICAL

TERMINATION STYLE:

ENVIRONMENTAL

MATERIALS

CABLE RETENTION: 40 LBS

BODY: BRASS PER QQ-B-626

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1.130

DIMENSIONS

Ø.650 MAX

Ø.295

LOCKWIRE HOLES

FERRULE

.500

**** EXPORT CONTROLLED DOCUMENT — EAR ****

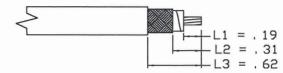
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INSTALLATION INSTRUCTIONS

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.



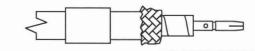
USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



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.



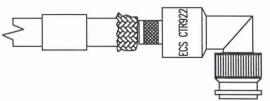
 REVISIONS

 ECN
 ZONE
 REV.
 DESCRIPTION
 DATE
 APPROVED

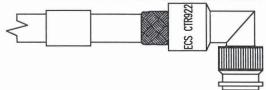
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 CAC

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 DIMENSIONS
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 CAC

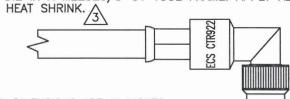
8. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS INTO THE DIELECTRIC RIDGE INSIDE THE CONNECTOR BODY.



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 A M22520/5-13 DIE IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK A



1. ALL DIMENSIONS ARE IN INCHES.

NOTES

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ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION WI0007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.

 $\stackrel{\textstyle \checkmark}{4}$ connector dimensions are for reference only.

 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 AND 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 FRANKLIN, WI 53132 ECS PHONE: (414) 421-5300			
APPROVALS	DATE				
DRAWN BY: JB HACKETT	1/16/95	CUSTOMER SPECIFICATION			
CHECKED BY: T MEYERS	1/20/95	TNC RIGHT ANGLE PLUG FOR ECS CABLE 311501, 311601, AND 421601			
DESIGNED BY:		SIZE CAGE CODE		PART NO.	
PROJECT ENG: H STOIBER	1/20/95	B 6619	7	CTRS	922
ENG. MGR: JB HACKETT	1/20/95	SCALE:	EFFECTMTY:		SHEET: 1 OF 1

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DIELECTRIC: TEFLON PER L-P-403

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