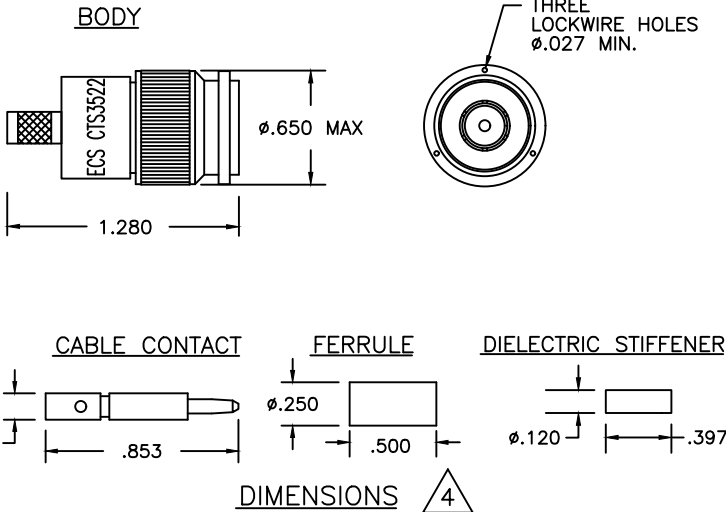


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SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL  
FREQUENCY RANGE: 0-11 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 @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE: DIMENSIONS PER MIL-STD-348A FIGURE 313-1  
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. 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 ASTM B16  
FERRULE: ANNEALED, BRASS PER ASTM B16 OR COPPER PER ASTM B124  
CABLE CONTACT: BRASS PER ASTM B16  
OUTER CONTACT: BERYLLIUM COPPER PER ASTM B196  
DIELECTRIC: TEFLON PER D1710  
GASKET: SILICONE RUBBER PER ZZ-R-765  
FINISHES  
BODY, FERRULE AND OUTER CONTACT: BRIGHT NICKEL PER QQ-N-290  
CENTER CONTACT: GOLD PER MIL-G-45204

\*\*\*\* EXPORT CONTROLLED DOCUMENT - EAR \*\*\*\*  
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INSTALLATION INSTRUCTIONS

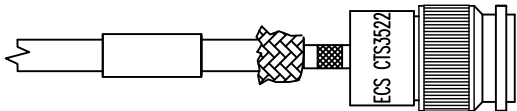
- BEGIN BY CUTTING THE CABLE OFF SQUARE.
- STRIP THE CABLE AS SHOWN, BEGINNING WITH L1 AND ENDING WITH L2. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. THE USE OF A STRIPPER DESIGNED FOR COAXIAL CABLE IS RECOMMENDED.
- SLIDE THE FERRULE AND ADHESIVE SHRINK TUBING OVER 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.
- REMOVE THE DIELECTRIC FROM THE CENTER CONDUCTOR BACK APPROXIMATELY .60 INCHES FROM THE END OF THE CONDUCTOR. BE CAREFUL NOT TO NICK THE CENTER CONDUCTOR. THERMAL STRIPPERS ARE RECOMMENDED.
- INSTALL DIELECTRIC STIFFENER OVER CENTER CONDUCTOR, ENSURING THAT IT IS BUTTED AGAINST THE CABLE DIELECTRIC.
- SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH M22520/5-57 DIE (B HEX). ENSURE THE CONTACT IS BUTTED AGAINST THE DIELECTRIC STIFFENER. CLEAN ALL FLUX RESIDUE USING AN APPROPRIATE FLUX CLEANER.

REVISIONS

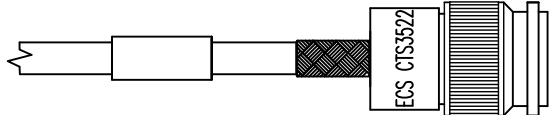
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
12886		D	SEE ECN	12/7/00	DEK
13467		E	SEE ECN	7/30/01	C CHAPMAN
49716	C,D 4	F	ADDED DIMENSIONS	7/1/13	CAC
80960	C4 A3 A4	G	CORRECTED DIMENSION CORRECTED CRIMP DIE UPDATED MATERIAL SPECS		

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

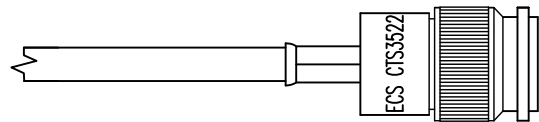
CAUTION: PUSH CABLE INTO THE CONNECTOR STRAIGHT TO AVOID KINKING THE CABLE.



- FOLD BOTH BRAIDS 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 M22520/5-57 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK.



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.
- DELETED.
- DELETED.

ALL LENGTHS IN INCHES		ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300			
APPROVALS		TITLE: CUSTOMER SPECIFICATION			
DRAWN BY: JB HACKETT		DATE: 1/11/95		TNC STRAIGHT PLUG FOR ECS CABLE 352001	
CHECKED BY: T MEYERS		DATE: 1/20/95		PART NO. CTS3522	
DESIGNED BY:		SIZE B	CAGE CODE 66197	LEVEL	SCALE:
PROJECT ENG: H STOIBER		DATE: 1/20/95		EFFECTIVITY:	SHEET: 1 OF 1
ENG. MGR: JB HACKETT		DATE: 1/20/95			