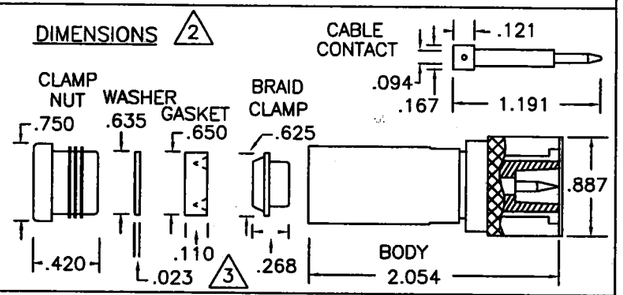
DIMENSIONS (2)



SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-4 GHz
VSWR: 1.35:1 MAXIMUM DC TO 4GHz
INSERTION LOSS: .1dB MAXIMUM DC TO 4GHz
WORKING VOLTAGE: 1500 VRMS @ SEA LEVEL
DIELECTRIC WITHSTANDING: 5000 VRMS @ SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE: COMPATIBLE WITH MIL-STD-348A FIGURE 317-1
TERMINATION STYLE: CABLE CONTACT-SOLDER
OUTER CONTACT-CLAMP
CABLE RETENTION: 50 LBS

MATERIALS

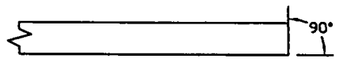
BODY: BRASS PER QQ-B-626
CLAMP NUT: BRASS PER QQ-B-626
WASHER: BRASS PER QQ-B-626
BRAID CLAMP: BRASS PER QQ-B-626
CENTER CONTACT: BRASS PER QQ-B-626
OUTER CONTACT: BRASS PER QQ-B-626
DIELECTRIC: TEFLON PER L-P-403
GASKET: SILICON RUBBER PER ZZ-R-765

FINISHES

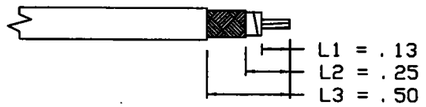
BODY, CLAMP NUT, WASHER, BRAID CLAMP AND CENTER CONTACT: SILVER PLATED PER QQ-S-365

INSTALLATION INSTRUCTIONS

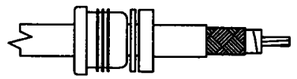
1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



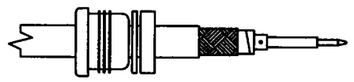
2. WHEN USING AUTOMATIC STRIPPING EQUIPMENT, STRIP CABLE AS SHOWN STARTING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. IF AUTOMATIC STRIPPING EQUIPMENT IS NOT AVAILABLE, STRIP ONLY L1 AND L3, TRIM EXCESS BRAID AT STEP 6.



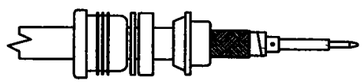
3. SLIDE THE ADHESIVE SHRINK TUBING, CLAMP NUT, SLIP WASHER, AND GASKET OVER END OF CABLE.



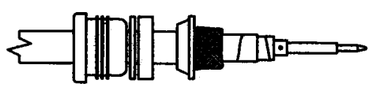
4. SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER. ENSURE THAT THE CONTACT IS BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUE USING APPROPRIATE CLEANER.



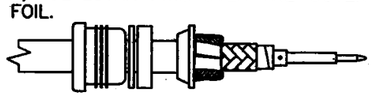
5. SLIDE THE BRAID CLAMP OVER THE END OF THE CABLE ENSURING IT IS BUTTED UP AGAINST THE CABLE JACKET.



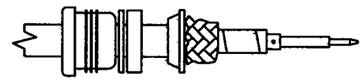
6. USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE BRAID CLAMP, LEAVING AS MUCH WEAVE AS POSSIBLE. TRIM AWAY EXCESS BRAID.



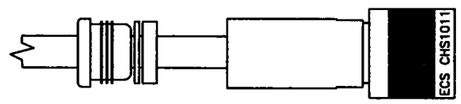
7. SPLIT THE ALUMINUM/POLYESTER FOIL LONGITUDINALLY ABOUT EVERY 1/8". GENTLY ROTATE PIN ONTO CENTER CONDUCTOR TO SEPARATE THE FLAT FOIL BRAID AND ALUMINUM/POLYESTER FOIL FROM THE DIELECTRIC. USING TWEEZERS, FOLD BACK ALUMINUM/POLYESTER FOIL OVER THE OUTER BRAID. TRIM AWAY EXCESS FOIL.



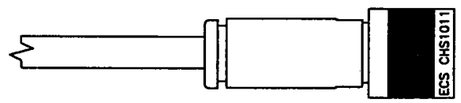
8. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE. CAUTION: DO NOT UNRAVEL DIELECTRIC WHEN PULLING BACK INNER SHIELD. TRIM AWAY EXCESS BRAID.



9. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE CONTACT IS FULLY SEATED INTO THE RIDGE INSIDE THE CONNECTOR DIELECTRIC.



10. TO SECURE CONNECTOR BODY AND CLAMP NUT, SLIDE THE GASKET, SLIP WASHER AND CLAMP NUT INTO REAR OF CONNECTOR BODY. TIGHTEN CLAMP NUT SNUG USING A WRENCH.



NOTES

1. ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR. ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION WI007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.

(2) CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.

(3) INSTALL PARTS IN ORDER SHOWN.

REVISIONS

ECN NO.	ZONE	REV.	DESCRIPTION	DATE	APPROVED
10271		N/C	NEW RELEASE.	12/8/00	D KNOLL
16175		A	UPDATED SPECIFICATIONS	12/8/00	D KNOLL
18335	4C	B	UPDATED ELECTRICAL SPECIFICATIONS	9/22/03	D KNOLL

ALL LENGTHS IN INCHES

APPROVALS	DATE
DRAWN BY: C CHAPMAN	8/28/00
CHECKED BY: DAVID E KNOLL	12/8/00
DESIGNED BY:	
PROJECT ENG:	
ENG. MGR: DAVID E KNOLL	12/8/00

ELECTRONIC CABLE SPECIALISTS
FRANKLIN, WI 53132
PHONE: (414) 421-5300

TITLE: CUSTOMER SPECIFICATION
STRAIGHT HN PLUG WITH EXTENDED PIN FOR ECS CABLE P/N 311201 AND 421201

SIZE	CAGE CODE	LEVEL	PART NO.
B	66197	C	CHS1011

SCALE: | EFFECTIVITY: | SHEET: 1 OF 1