

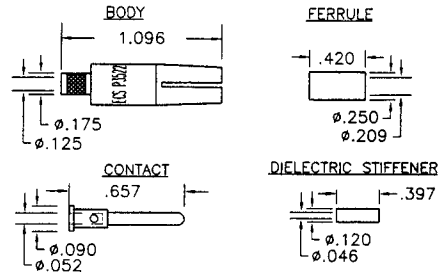
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DWG NO. P3522-1 SH 1 REV. N/C

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SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL
 FREQUENCY RANGE: 0-500 MHZ
 VSWR: 1.30:1 MAXIMUM
 INSERTION LOSS: .1dB MAXIMUM DC TO 2GHZ
 WORKING VOLTAGE: 325 VRMS @ SEA LEVEL
 DIELECTRIC WITHSTANDING: 750 VRMS @ SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM
 @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE: DIMENSIONS PER ARINC SPEC 600
 FIGURE 19-60.1
 TERMINATION STYLE: CENTER CONTACT-SOLDER
 FERRULE-CRIMP

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

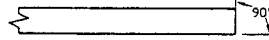
BODY: BERYLLIUM COPPER PER ASTM B196
 FERRULE: ANNEALED, BRASS PER ASTM B16 OR
 COPPER PER ASTM B124
 CENTER CONTACT: BRASS PER ASTM B16
 INNER BODY DIELECTRIC: TEFLON PER ASTM D1710
 DIELECTRIC STIFFENER: TEFLON PER ASTM D1710

FINISHES

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

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.



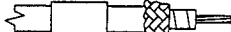
- SLIDE THE FERRULE OVER THE END OF THE CABLE.



- 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 OUTER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE.



- REMOVE THE DIELECTRIC FROM THE CENTER CONDUCTOR BACK TO THE BEGINNING OF THE FOLDED SHIELD, APPROXIMATELY .60 INCHES FROM THE END OF THE CENTER 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. ENSURE THE CONTACT IS BUTTED AGAINST THE DIELECTRIC STIFFENER. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



REVISIONS				DATE	APPROVED
ECN	ZONE	REV.	DESCRIPTION		
13476		N/C	NEW RELEASE	4/10/01	Handy/Kendall

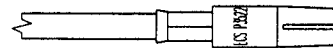
- SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR. CAUTION: PUSH CABLE INTO THE CONDUCTOR STRAIGHT TO AVOID KINKING THE CABLE.



- FOLD ALL THE 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.



ALL LENGTHS IN INCHES

APPROVALS	DATE
DRAWN BY: C CHAPMAN	3/29/01
CHECKED BY: Handy/Kendall	4/10/01
DESIGNED BY:	
PROJECT ENG:	
EMP. NO.:	Handy/Kendall 4/10/01

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TITLE: CUSTOMER SPECIFICATION
 SIZE 5, ARINC 600 RF CONNECTOR
 FOR ECS CABLE 352001

SIZE CAGE CODE LEVEL PART NO.
 B 66197 P3522

SCALE: FILE NO. SHEET: 1 OF 1

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