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DWG NO.	SH	REV.
BTF101-1	1	N/C

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## REVISIONS

ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
14020		N/C	NEW RELEASE	7/23/01	<i>[Signature]</i>

## SPECIFICATIONS

## ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY RANGE: 0 TO 11 GHz  
 VSWR: 1.40:1 MAXIMUM DC TO 11 GHz  
 INSERTION LOSS: .5 dB MAXIMUM @ 9 GHz  
 WORKING VOLTAGE: 500 VRMS @ SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS @ SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

## MECHANICAL

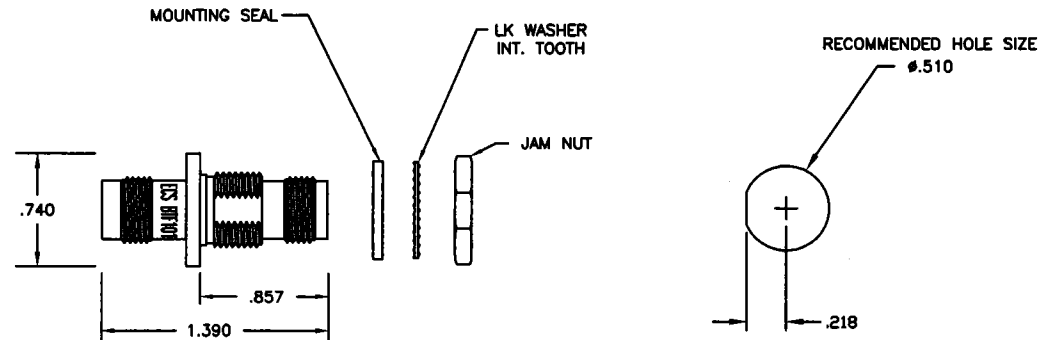
CONNECTOR INTERFACE DIMENSIONS PER MIL-STD-348, FIGURE 313-2

## ENVIRONMENTAL

TEMPERATURE RATING: -65°C 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. C  
 CORROSION: MIL-STD-202, METHOD 101 COND. B  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106  
 200 MEGOHMS MINIMUM  
 HERMETIC SEAL: MIL-STD-202, METHOD 112 COND. C  
 CONTACT TO SHELL:  $1 \times 10^{-7}$  ATM CM<sup>3</sup>/S  
 SHELL TO PANEL(GASKET SEAL):  $1 \times 10^{-5}$  ATM CM<sup>3</sup>/S

## MATERIALS

BODY: BRASS PER QQ-B-626  
 CENTER CONTACT: COPPER BERYLLIUM PER QQ-N-290  
 DIELECTRIC: TEFLON PER L-P-403  
 GASKET: SILICON RUBBER PER ZZ-R-765  
**FINISHES**  
 BODY: BRIGHT NICKEL PER QQ-N-290  
 CENTER CONTACT: GOLD PER MIL-G-45204



## NOTES

- ALL DIMENSIONS ARE IN INCHES.
- DIMENSIONS ARE FOR REFERENCE ONLY.

ALL LENGTHS IN INCHES		ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300	
APPROVALS	DATE	TITLE: <b>CUSTOMER SPECIFICATION</b>	
DRAWN BY: E. FOSSELL	7/16/01	TNC ADAPTER, BULKHEAD, HERMETICALLY SEALED, 50 OHM	
CHECKED BY: <i>[Signature]</i>	7/23/01	SIZE: B	CAGE CODE: 66197
DESIGNED BY:		LEVEL: C	PART NO.: BTF101
PROJECT ENG:		SCALE:	FILE NO:
DATE: 7/23/01			SHEET: 1 OF 1

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