

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P4-P5-P6) : (J3-J6) (P3-P2-P1) : (J1-J2) : 1CT : 1CT± 3%

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2.0 INDUCTANCE: : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz P3-P1 (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) (P3,P2,P1) TO (J2,J1) : 30pf MAX @ 1MHz : 30pf MAX. @ 1MHZ

5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.35 ohms Max.

Bel Stewart Connector

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http://www.stewartconnector.com

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HAZARDOUS SUBSTANCES FROM ELECTRONIC PRODUCTS. 2.0 UNUSED PIN P7 IS OMITTED.

DIRECTIVE 2002/95/EC, CALLING FOR THE ELIMINATION OF LEAD AND OTHER

> RoHS 2002/95/EC

6.0 RETURN LOSS: (P4-P6)=100 OHMS AND (P1-P3)=100 OHM REF.

1MHz TO 30MHz : 18dB MIN. : 12dB MIN. 60MHz TO 80MHz

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J3-J6).

: 1500 VAC 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) (J3, J6) TO (P4, P6)

8.0 INSERTION LOSS: RS=RL=100 ohms

100KHz TO 100MHz : 1.1 dB TYP

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak: 3.0 nS MAX PULSE WIDTH= 112nS : 3.0 nS MAX

10.0 CROSS TALK: 1-100 MHz : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

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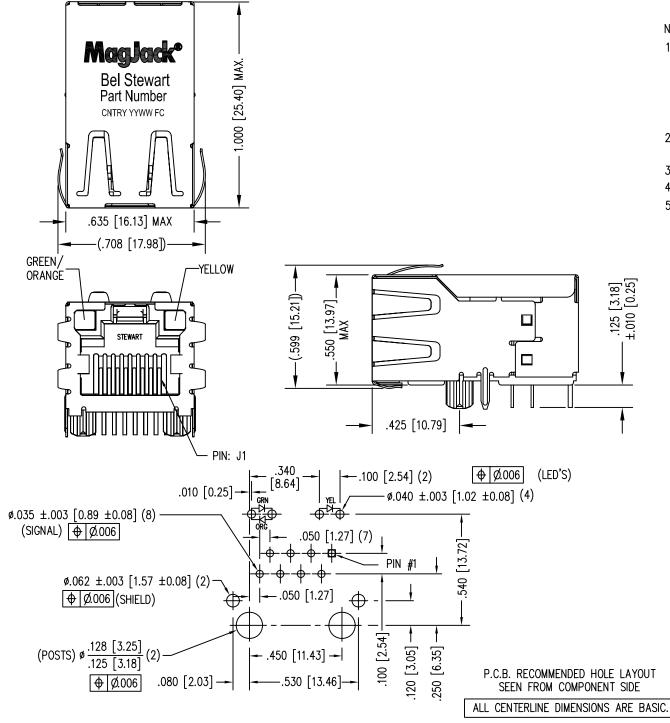
SHEET

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NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0 CONTACT/SHIELD: COPPER ALLOY SHIELD PLATING: NICKEL OR TIN CONTACT PLATING: SELECTIVE GOLD.

50 MICRO-INCHES MIN. IN CONTACT AREA.

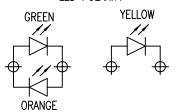
- 2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- 4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.



| LED SPECIFICATION | | | |
|-------------------|------------|----------------|---------|
| STANDARD LED | WAVELENGTH | FOWARD V (MAX) | * (TYP) |
| YELLOW | 590 nm | 2.5 V | 2.1 V |
| ORANGE | 610 nm | 2.5 V | 2.1 V |
| GREEN | 565 nm | 2.5 V | 2.2 V |

*WITH A FORWARD CURRENT OF 20 mA (TYP)





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MagJack

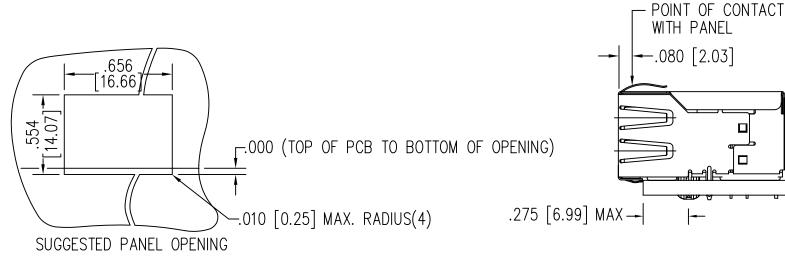
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REV.



- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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