

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P4-P5-P6) : (J3-J6) (P3-P2-P1) : (J1-J2)

: 1CT : 1CT± 3% : 1CT : 1CT ± 3%

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

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SHEET

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THE ELIMINATION OF LEAD AND OTHER

HAZARDOUS SUBSTANCES FROM

2.0 UNUSED PIN P7 IS OMITTED.

ELECTRONIC PRODUCTS.

MagJack http://www.stewartconnector.com

DRAWING NO. -50170-F

RoHS

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

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

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

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

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
PULSE WIDTH= 112nS : 3.0 nS MAX : 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

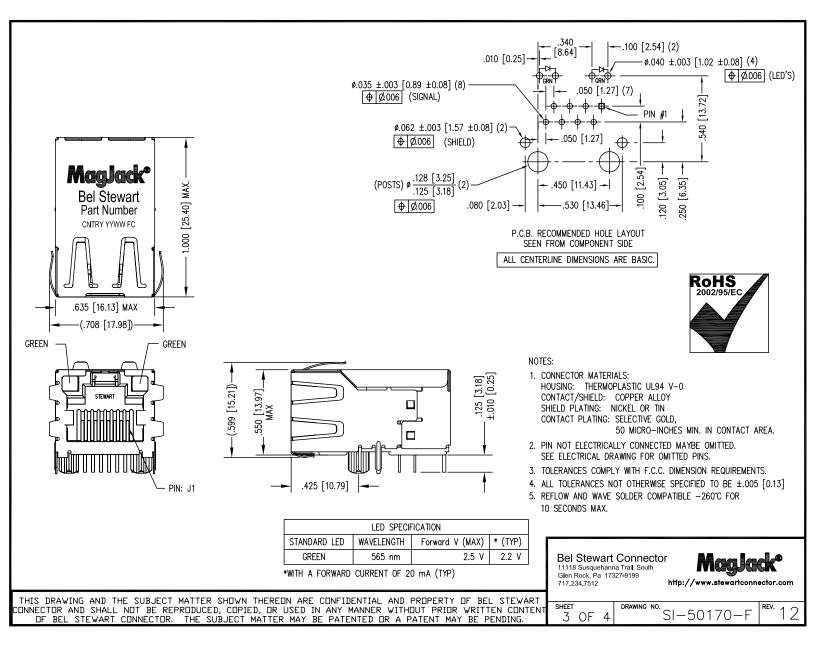
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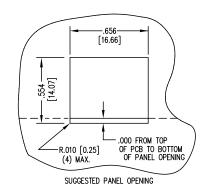
MagJack[®]

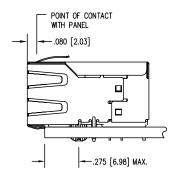
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- THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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Maglack
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DRAWING NO. SI-50170-F REV. 09