

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P3-P2): (J4-J5) : 1 : 1 ±2% (P5-P4): (J6-J3) : 1 : 1 ±2% (P9-P8): (J8-J7) : 1 : 1 ±2% (P10-P11): (J2-J1) : 1 : 1 ±2%

2.0 INDUCTANCE: (P3-P2); (P5-P4) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS (P10-P11); (P9-P8) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS

3.0 LEAKAGE INDUCTANCE: P3-P2 (WITH J4 AND J5 SHORT) : 0.3uH MAX. @ 1MHz P5-P4 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P9-P8 (WITH J8 AND J7 SHORT) : 0.3uH MAX. @ 1MHz P10-P11 (WITH J1 AND J2 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P3-P2): (J4-J5) : 35pf MAX @ 1MHz (P5-P4): (J6-J3) : 35pf MAX @ 1MHz (P9-P8): (J5-J4) : 35pf MAX @ 1MHz (P10-P11): (J2-J1) : 35pf MAX @ 1MHz

5.0 DC RESISTANCE: (J6-J3); (J2-J1); (J7-J8): (J4-J5) : 1.2 ohms Max.

Bel Stewart Connector

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http://www.stewartconnector.com

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SI-51004 REV. 1

6.0 RETURN LOSS: 1MHz TO 30MHz : -19dB MIN.

30MHz TO 60MHz : -13dB MIN. 60MHz TO 80MHz : -12dB MIN. 80MHz TO 100MHz : -10dB MIN.

7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11); (J5,J4) TO (P3-P2) : 1500 VAC (J3,J6) TO (P5,P4); (J8,J7) TO (P9, P8) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

100KHz TO 125MHz : -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

: $-[33-20 LOG (\frac{F}{50 MHz})] MIN.$ 10.0 CROSS TALK: 1-100 MHz

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : -35dB TYP

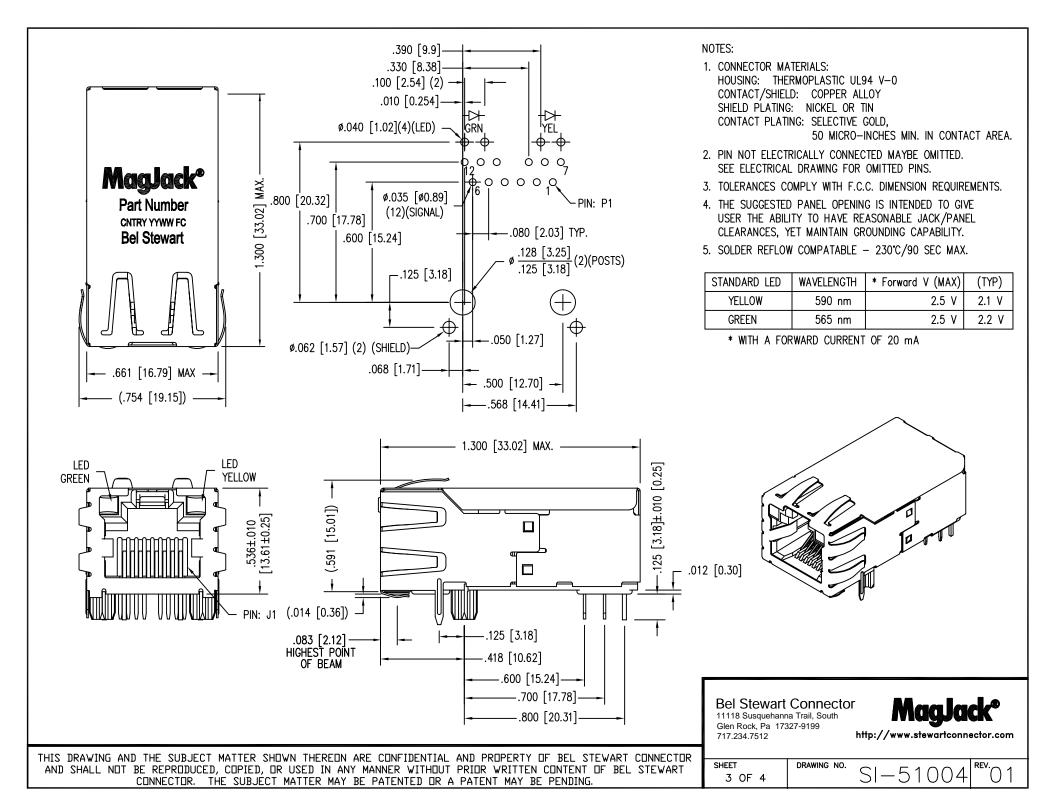
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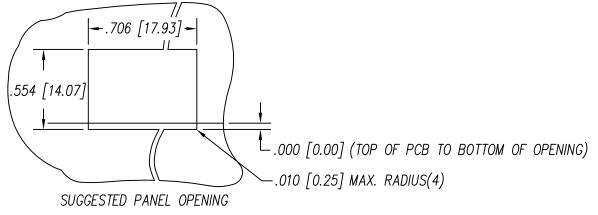
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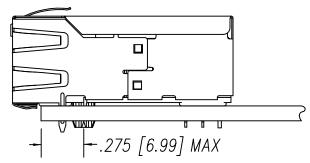
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THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

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