

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P7-P6-P8) : (J3-J6) (P1-P3-P2) : (J1-J2) : 1CT : 1CT± 3% : 1CT : 1CT ± 3%

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias 2.0 INDUCTANCE: (P7-P8) (P1-P2)

3.0 LEAKAGE INDUCTANCE: P7-P8 (WITH J6 AND J3 SHORT) P1-P2 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P7,P6,P8) TO (J6,J3) (P1,P3,P2) TO (J2,J1) : 30pf TYP @ 1MHz : 30pf TYP @ 1MHZ

5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.4 ohms Max. Bel Stewart Connector 11118 Susquehanna Trail, South Glen Rock, Pa 17327-9199 717,234,7512

http://www.stewartconnector.com

REV. 06

2.0 ALL RESISTORS ARE ±5%

TOLERANCE.

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING. DRAWING NO. SI-50194-F SHEET 1 OF 4

RECEIVE

6.0 RETURN LOSS: (P7-P8)=100 OHMS AND (P1-P2) =100 OHM REF.

1MHz TO 30MHz 30MHz TO 60MHz : -18dB MIN. : -(19-20 LOG (f/30MHz))

60MHz TO 80MHz : -12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J3, J6) TO (P7, P8) (J1, J2) TO (P1,P2) : 1500 VAC : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

: -1 dB MAX 1-65MHz

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: 1-65MHz : -35 dB MIN

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -30dB MAX

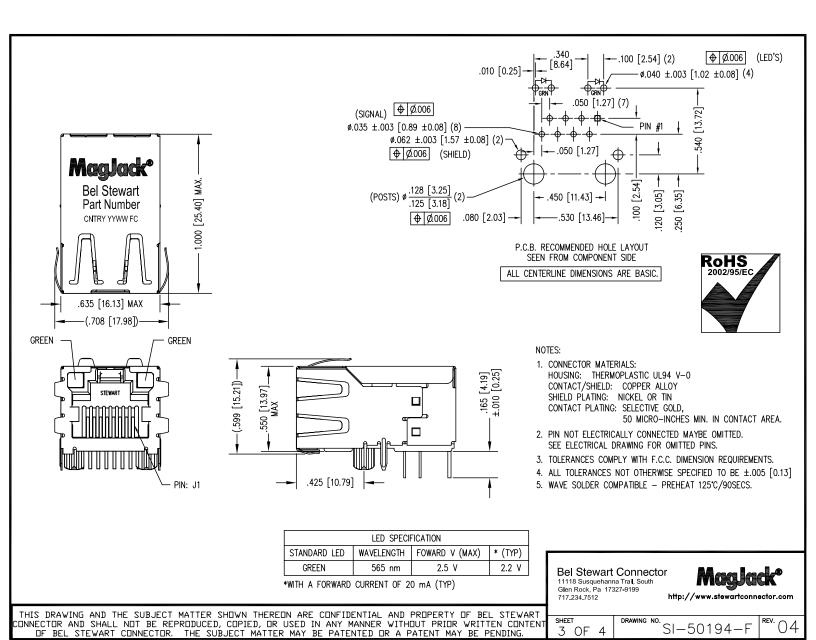
> Bel Stewart Connector 11118 Susquehanna Trail, South Glen Rock, Pa 17327-9199 717.234.7512

http://www.stewartconnector.com

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SI-50194-F SHEET 2 OF 4

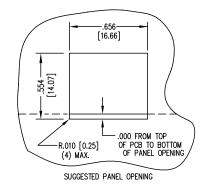
04

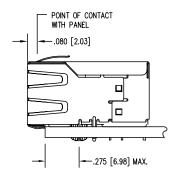


04

SI-50194-

4 3 OF





- 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]

Bel Stewart Connector 11118 Susquehanna Trail, South Glen Rock, Pa 17327-9199 717.234.7512

MagJack*

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET 4 OF 4 DRAWING NO. SI-5019

SI-50194-F REV. ()