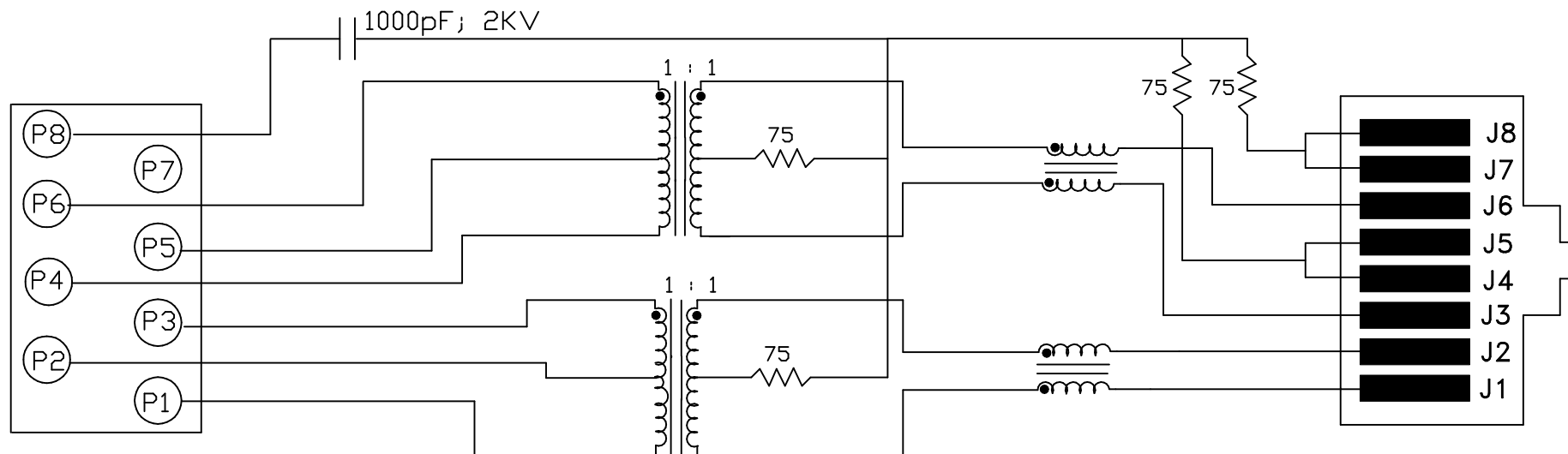




ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: $\begin{matrix} (P6-P5-P4) : (J6-J3) \\ (P3-P2-P1) : (J2-J1) \end{matrix}$: 1CT : 1CT $\pm$ 3%
: 1CT : 1CT $\pm$ 3%

2.0 INDUCTANCE: $\begin{matrix} (P6-P4) \\ (P3-P1) \end{matrix}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: $\begin{matrix} P6-P4 \text{ (WITH } J6 \text{ AND } J3 \text{ SHORT)} \\ P3-P1 \text{ (WITH } J2 \text{ AND } J1 \text{ SHORT)} \end{matrix}$: 0.3 MAX. @ 1MHz
: 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: $\begin{matrix} (P6,P5,P4) \text{ TO } (J6,J3) \\ (P3,P2,P1) \text{ TO } (J2,J1) \end{matrix}$: 30pf MAX @ 1MHz
: 30pf MAX. @ 1MHZ

5.0 DC RESISTANCE: $(J6-J3)=(J2-J1)$: 1.2 ohms Max.

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

Bel Stewart Connector
11116 Susquehanna Trail, South
Glen Rock, Pa 17327-0100
717.234.7512

MagJack®

<http://www.stewartconnector.com>

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RECEIVE

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

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC
(J3, J6) TO (P4, P6) : 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 : 3.0 nS MAX
PULSE WIDTH= 112nS : 3.0 nS MAX

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

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

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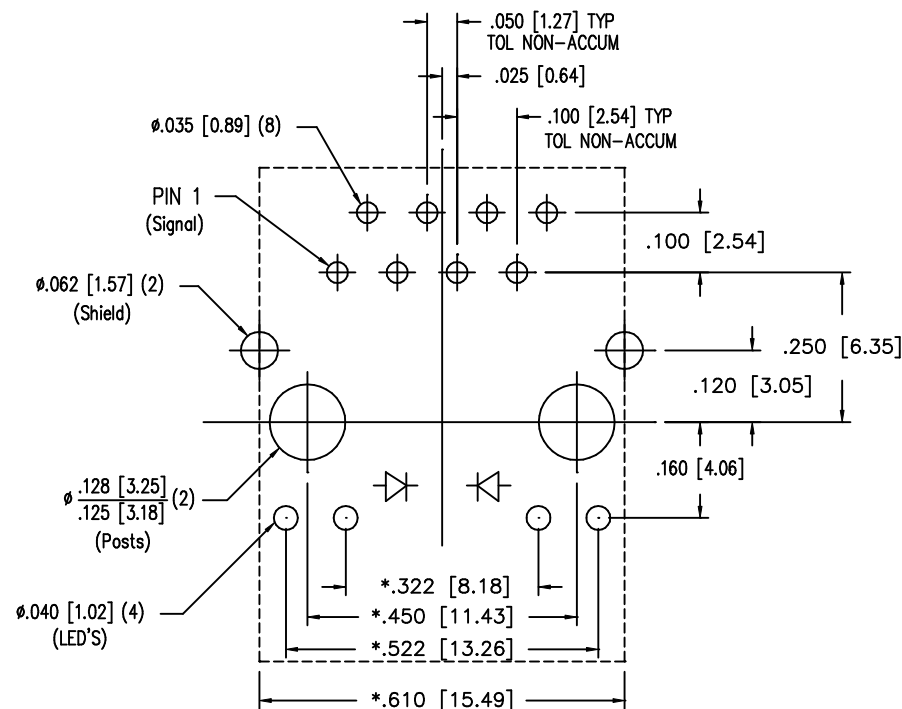
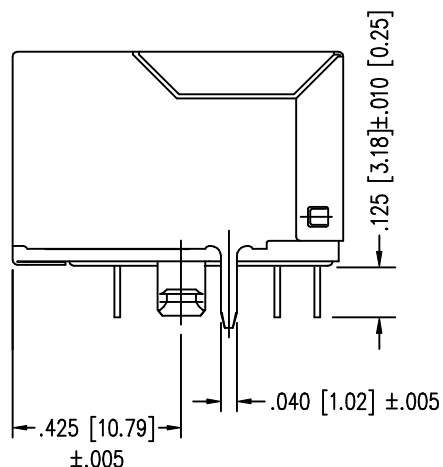
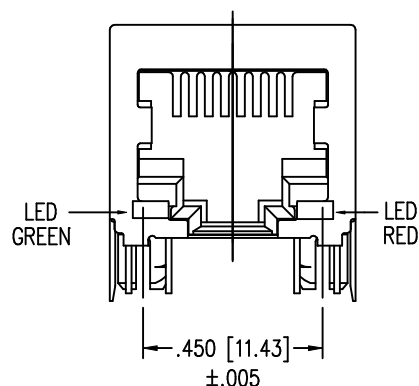
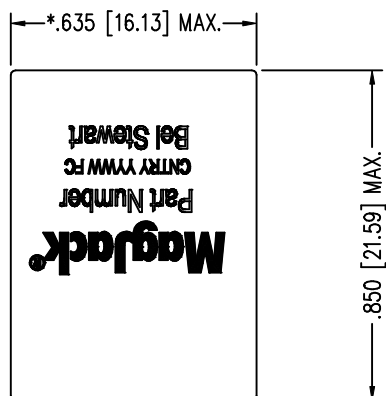
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DRAWING NO.

SI-40038

REV. 15



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE ± 0.003 [0.08] UNLESS OTHERWISE SPECIFIED

NOTES:

- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
- DIMENSIONS SHOWN WITH "*" TO BE CENTRAL ABOUT CENTER LINE
- DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- 50 MICRO-INCH SELECTIVE GOLD PLATING.

CT640200

LED SPECIFICATIONS

COLOR:	GREEN	RED
FORWARD VOLTAGE(20mA) :	2.5v (MAX)	2.5v (MAX)
FORWARD VOLTAGE(20mA) :	2.2v (TYP)	2.0v (TYP)
POWER DISSIPATION :	105mW	105mW
WAVE LENGTH:	565nm	625nm
LUMINOUS INTENSITY (10mA) :	8-32 MCD	5-32 MCD

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SHEET
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DRAWING NO. SI-40038 REV. 01