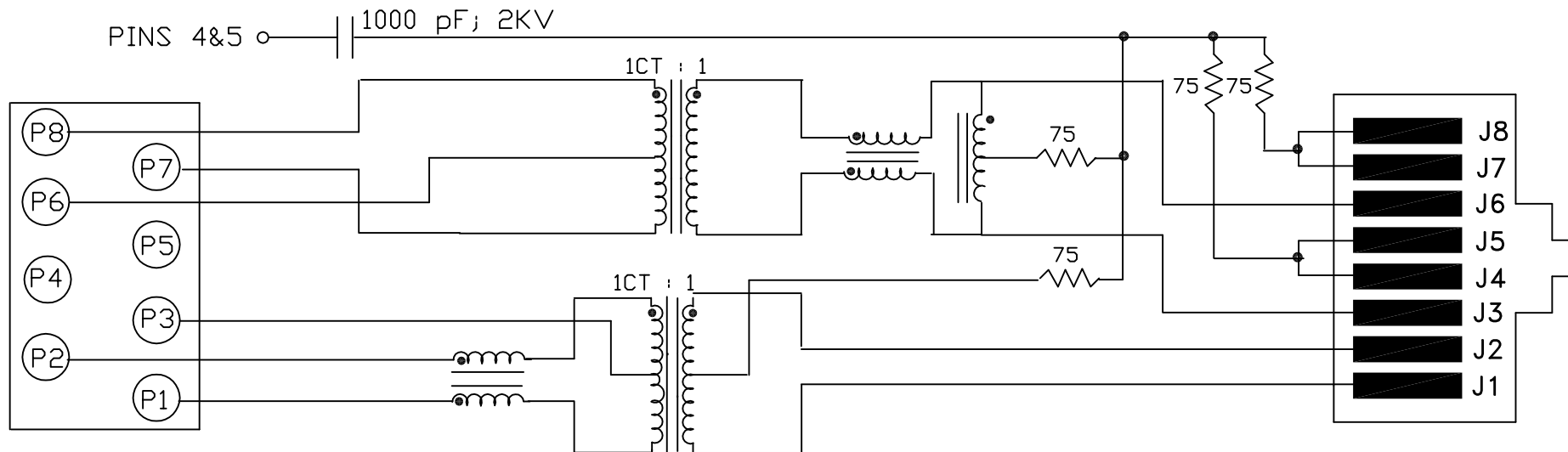




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\begin{matrix} (P8-P6-P7) & : & (J6-J3) \\ (P2-P3-P1) & : & (J2-J1) \end{matrix}$
 $\begin{matrix} : & 1CT : 1 \pm 3\% \\ : & 1CT : 1 \pm 3\% \end{matrix}$
- 2.0 INDUCTANCE: $\begin{matrix} (P7-P8) \\ (P1-P2) \end{matrix}$
 $\begin{matrix} : & 350\mu H \text{ MIN. } @ 0.1V, 100KHz, 8mA \text{ DC Bias} \\ : & 350\mu H \text{ MIN. } @ 0.1V, 100KHz, 8mA \text{ DC Bias} \end{matrix}$
- 3.0 LEAKAGE INDUCTANCE: $\begin{matrix} P8-P7 \text{ (WITH } J6 \text{ AND } J3 \text{ SHORT)} \\ P2-P1 \text{ (WITH } J2 \text{ AND } J1 \text{ SHORT)} \end{matrix}$
 $\begin{matrix} : & 0.3 \text{ MAX. } @ 1MHz \\ : & 0.3 \text{ MAX. } @ 1MHz \end{matrix}$
- 4.0 INTERWINDING CAPACITANCE: $\begin{matrix} (P8,P6,P7) \text{ TO } (J6,J3) \\ (P3,P2,P1) \text{ TO } (J2,J1) \end{matrix}$
 $\begin{matrix} : & 30pf \text{ MAX } @ 1MHz \\ : & 30pf \text{ MAX. } @ 1MHz \end{matrix}$
- 5.0 DC RESISTANCE: $\begin{matrix} (J6-J3) \\ (P1-P2) \end{matrix}$
 $\begin{matrix} : & 1.2 \text{ ohms Max.} \\ : & 1.2 \text{ ohms Max.} \end{matrix}$

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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

MagJack

<http://www.stewartconnector.com>

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SHEET
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DRAWING NO. SI-10085 REV. 04

RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz 60MHz TO 80MHz	: 18dB MIN. : 12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) (J3, J6) TO (P8,P7)	: 1500 VAC : 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms 100KHz TO 100MHz	: 1.1 dB MAX
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: 1MHz TO 100MHz	: 35 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: 45dB TYP

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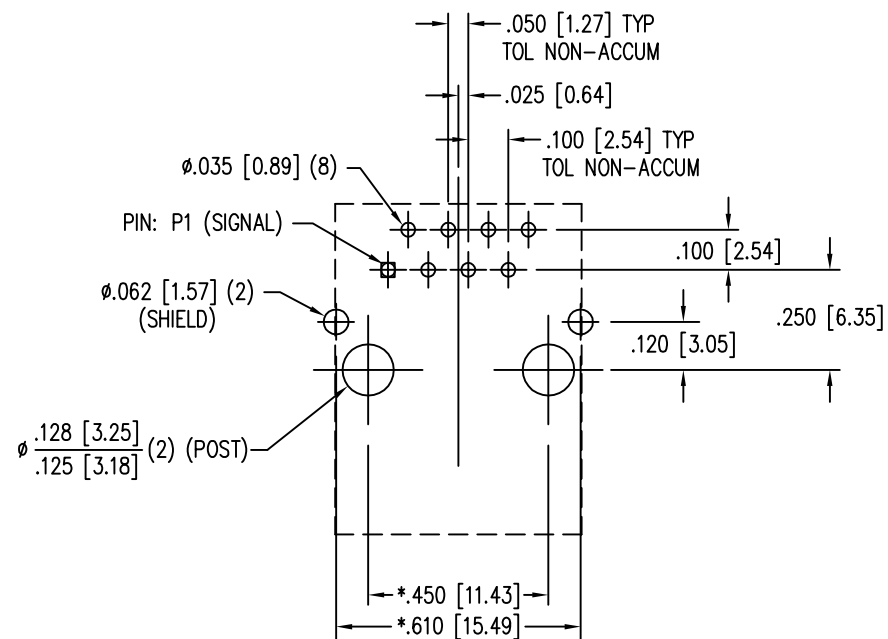
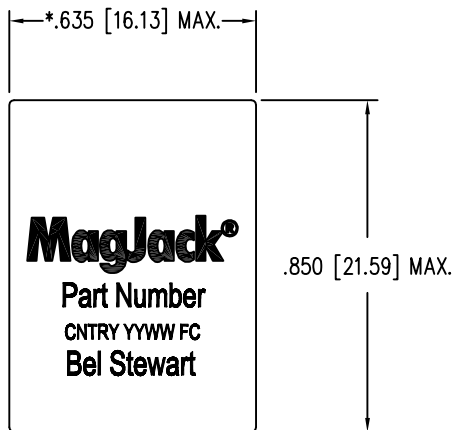
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SHEET
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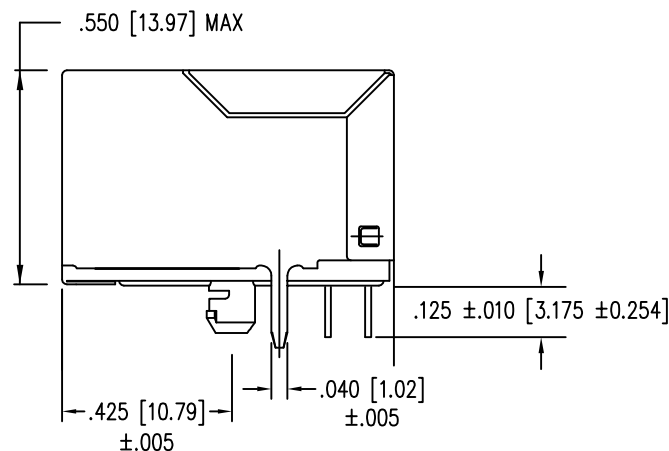
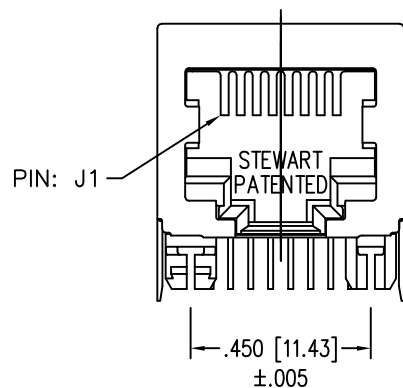
DRAWING NO.

SI-10085

REV. 04



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE $\pm .003 [0.08]$ UNLESS OTHERWISE SPECIFIED



— PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.

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.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- STANDARD 50 MICRO-INCH SELECTIVE GOLD PLATING

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SHEET
3 OF 3

DRAWING NO. SI-10085 REV. 06