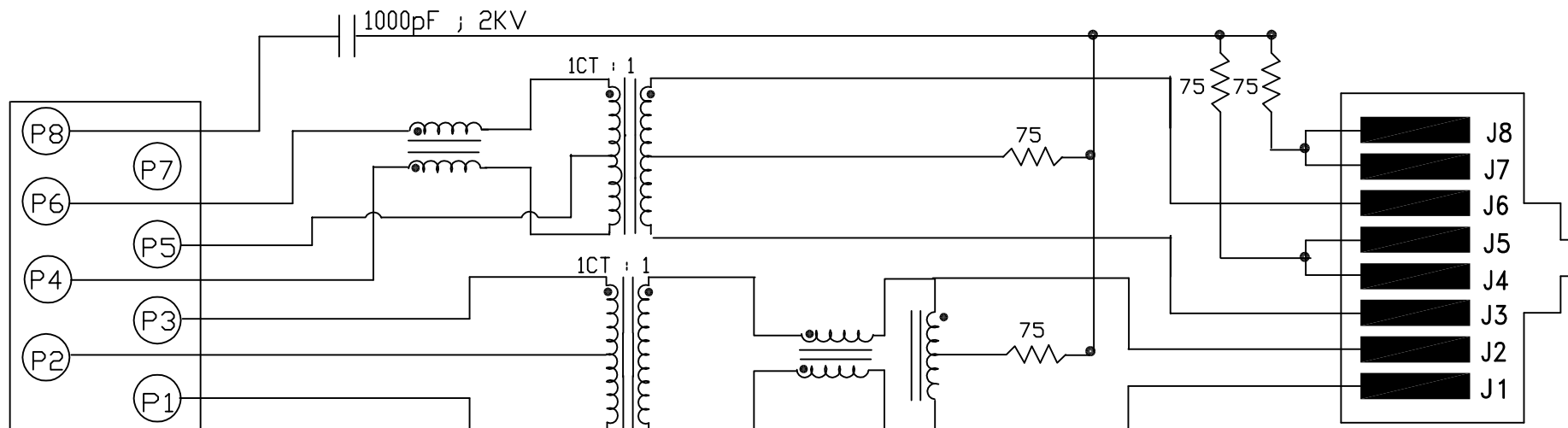




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\begin{matrix} (P6-P5-P4) \\ (P3-P2-P1) \end{matrix} : \begin{matrix} (J6-J3) \\ (J2-J1) \end{matrix}$: 1CT : $1 \pm 3\%$
: 1CT : $1 \pm 3\%$
- 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: $\begin{matrix} (J1-J2) \\ (P6-P4) \end{matrix}$: 1.2 ohms Max.
: 1.2 ohms Max.

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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RECEIVE

- 6.0 RETURN LOSS: 1MHz TO 30MHz : 18dB MIN.
60MHz TO 80MHz : 12dB MIN.
(P1- P3) = 100 OHMS
(J3 - J6) = 100 OHMS
- 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 : 1.1 dB TYP
100KHz TO 100MHz
- 9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS : 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX
PULSE WIDTH= 112nS
- 10.0 CROSS TALK: 1MHz TO 100MHz : 35 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

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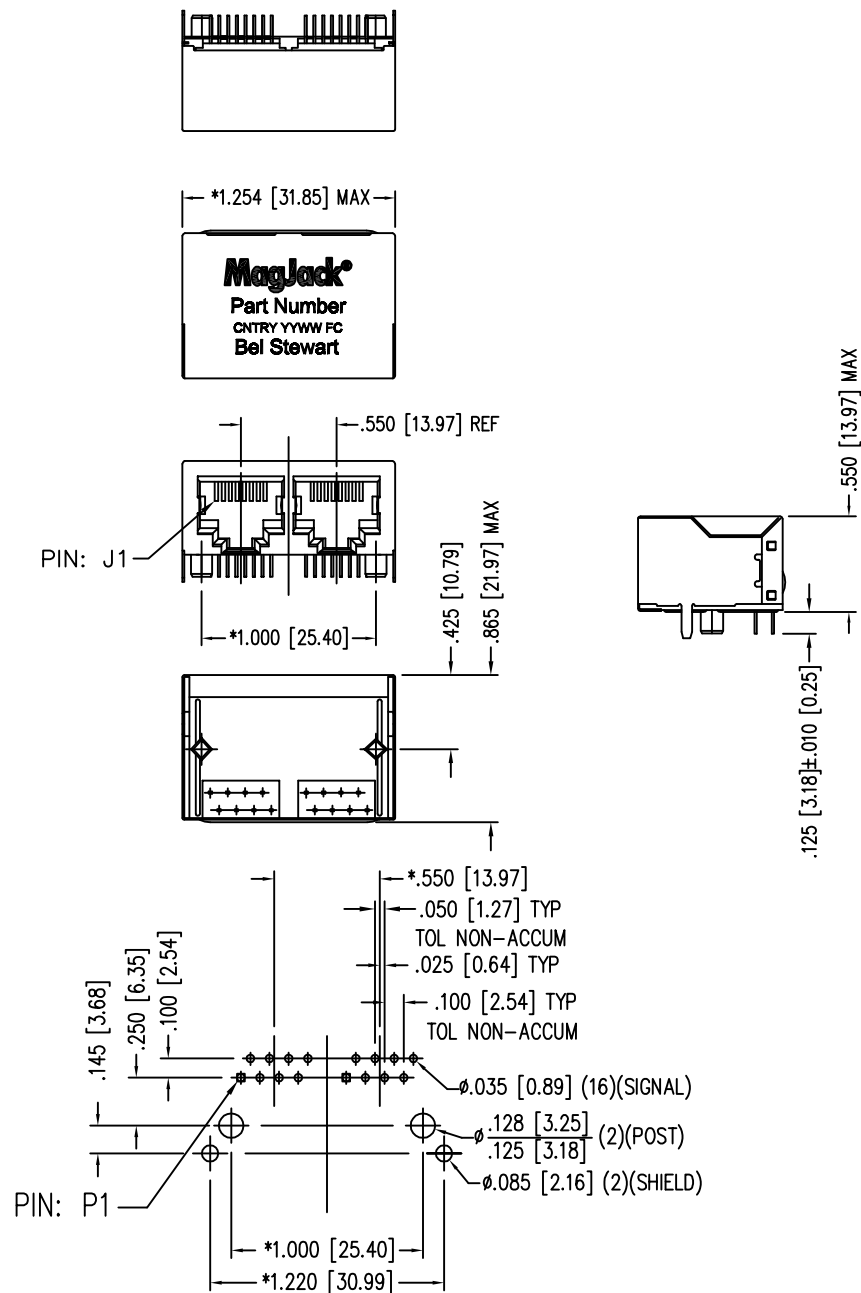
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SI-10220

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06



NOTES:

- TOLERANCE COMPLY WITH F.C.C. DIMENSION REQUIREMENTS ALL OTHERS $\pm .005$ [0.13] UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS SHOWN WITH "*" TO BE CENTRAL ABOUT CENTER LINE
- PINS NOT ELECTRICALLY CONNECTED MAY BE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 50 MICRO-INCH SELECTIVE GOLD PLATING
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90 SECS MAX.
- ALL POLYMERS FLAMMABILITY - UL94V0

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

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SHEET
3 OF 3

DRAWING NO.

SI-10220

REV.
03