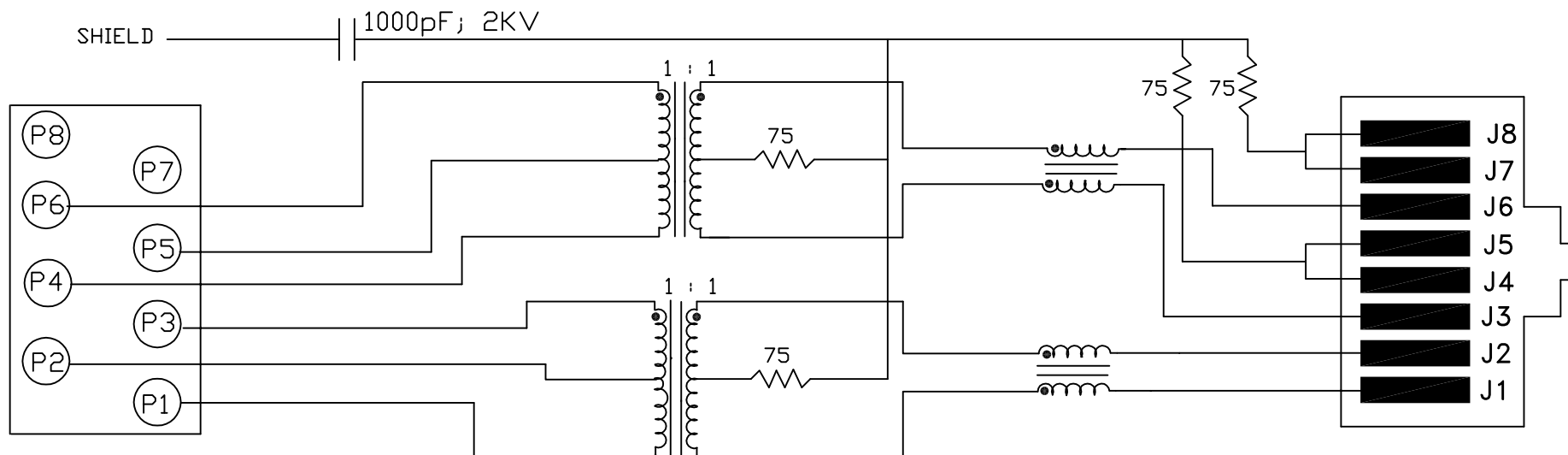




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\begin{matrix} (P6-P5-P4) \\ (P3-P2-P1) \end{matrix} : \begin{matrix} (J6-J3) \\ (J2-J1) \end{matrix}$: 1CT : 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: $\begin{matrix} P6-P4 \\ P3-P1 \end{matrix}$ (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz
(WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: $\begin{matrix} (P6,P5,P4) \\ (P3,P2,P1) \end{matrix}$ TO $\begin{matrix} (J6,J3) \\ (J2,J1) \end{matrix}$: 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
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512

MagJack

<http://www.stewartconnector.com>

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DRAWING NO. SI-10095

REV. 12

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 : 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 : 40 dB TYP

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

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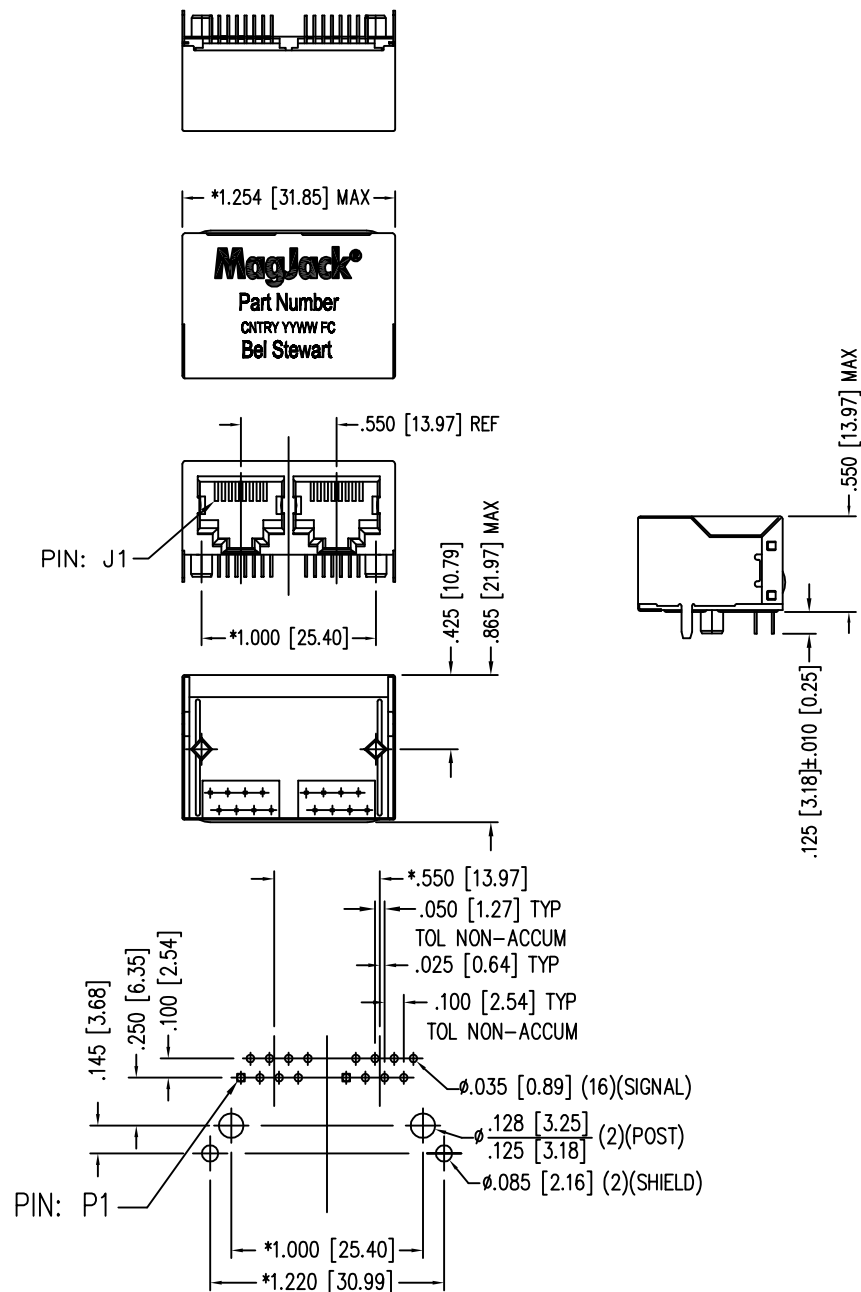
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DRAWING NO. SI-10095

REV. 12



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

CT660001C1/24-0031

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SHEET
 3 OF 3

DRAWING NO.

SI-10095

REV.
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