

ELECTRICAL SPECIFICATIONS:

- | | | | |
|-----|---------------------------|---------------------------------|--|
| 1.0 | URNS RATIO: | (P4-P5-P6) : (J3-J6) | : 1CT : 1CT ± 3% |
| | | (P3-P2-P1) : (J1-J2) | : 1CT : 1CT ± 3% |
| 2.0 | INDUCTANCE: | (P6-P4) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | | (P3-P1) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 | LEAKAGE INDUCTANCE: | P6-P5-P4 (WITH J6 AND J3 SHORT) | : 0.3 MAX. @ 1MHz |
| | | P3-P2-P1 (WITH J2 AND J1 SHORT) | : 0.3 MAX. @ 1MHz |
| 4.0 | INTERWINDING CAPACITANCE: | (P6,P5,P4) TO (J6,J3) | : 30pf MAX @ 1MHz |
| | | (P3,P2,P1) TO (J2,J1) | : 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>

SHEET 1 OF 4

DRAWING NO. SI-70002

REV. 06

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RECEIVE

- 6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHz TO 30MHz : 18dB MIN.
30MHz 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: 1-100 MHz : 40 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

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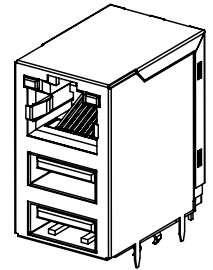
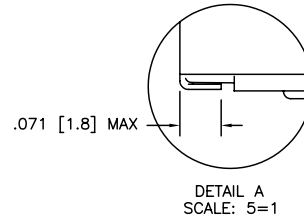
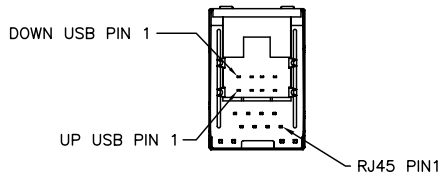
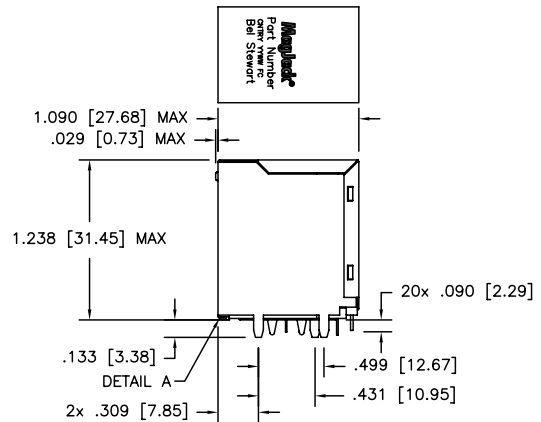
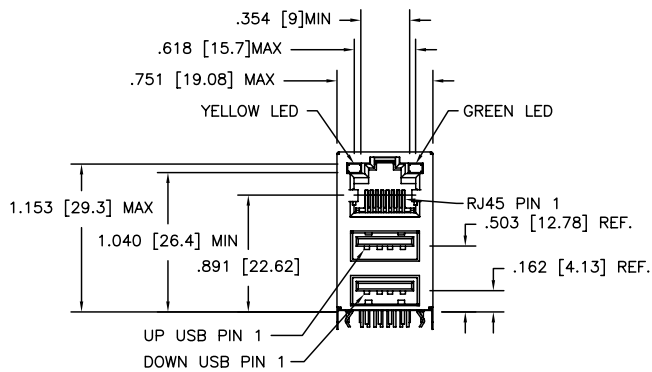
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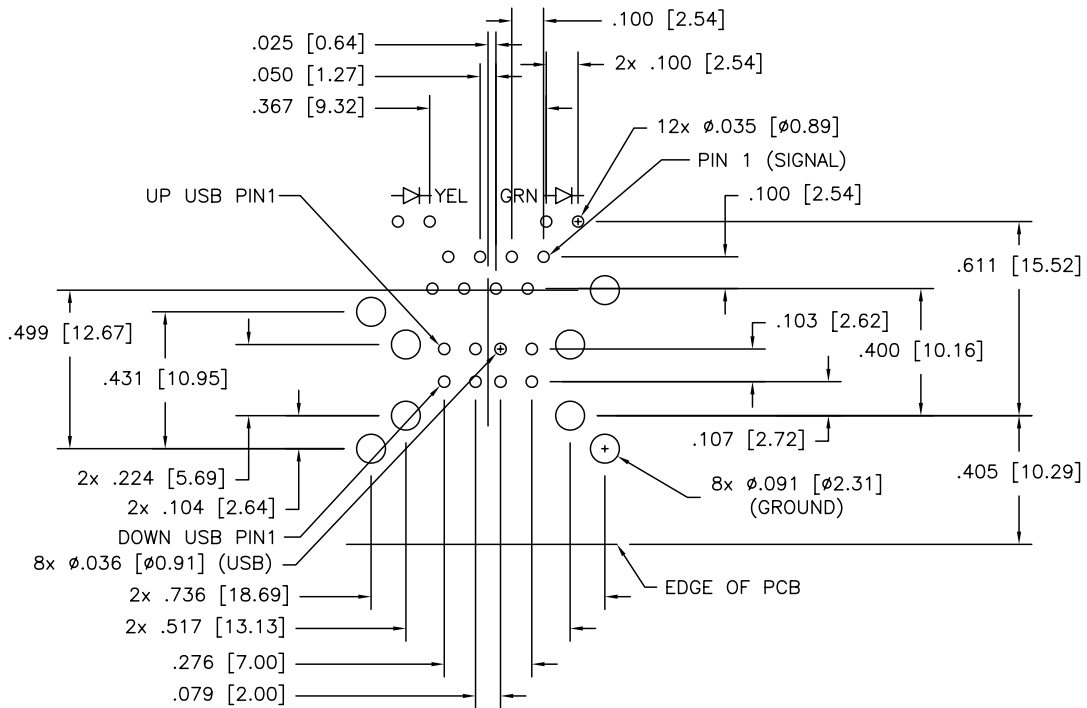


NOTES:

- 1.0 TOLERANCE COMPLY WITH FCC DIMENSION REQUIREMENTS.
- 2.0 PIN NOT ELECTRICALLY CONNECTED MAY BE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 3.0 MATERIAL:
 - PLASTIC: UL94V-0
 - TERMINAL USB: PLATING PER USB SPEC 2.0
 - TERMINAL RJ45: 50 MICRONS Au OVER 50 MICRONS Ni OVER PHOSBRONZE SHIELD, BOTH USB AND RJ45: BRASS PLATED W/EITHER Ni OR TIN-LEAD
- 4.0 GENERAL TOLERANCE: ± 0.005 [.127]

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PC BOARD LAYOUT COMPONENT SIDE SHOWN
TOLERANCE: ± 0.003 [.08] UNLESS OTHERWISE SPECIFIED

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