


ELECTRICAL SPECIFICATIONS:

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| 1.0 | URNS RATIO: (P3-P7-P6) : (J3-J6) | : 1CT : 1CT ±3% |
| | (P1-P4-P5-P2) : (J1-J2) | : 1CT : 1CT ±3% |
| 2.0 | INDUCTANCE: (P3-P6) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | (J1-J2) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 | LEAKAGE INDUCTANCE: P3-P6 (WITH J6 AND J3 SHORT) | : 0.3uH MAX. @ 1MHz |
| | P2-P1 (WITH J2 AND J1 SHORT) | : 0.3uH MAX. @ 1MHz |
| 4.0 | INTERWINDING CAPACITANCE: (P3,P6,P7) TO (J6,J3) | : 30pf MAX @ 1MHz |
| | (P2,P4,P5,P1) TO (J2,J1) | : 30pf MAX @ 1MHz |
| 5.0 | DC RESISTANCE: (J6-J3)=(J2-J1) | : 1.2 ohms Max. |

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6.0 RETURN LOSS: (J3-J6)=100 OHMS AND (P1-P2)=100 OHM REF.
 1MHz TO 30MHz : -20dB MIN.
 30MHz TO 60MHz : $-(19-20\text{LOG}(f/30\text{MHz}))$ MIN
 80MHz : -12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (P6-P3).



7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) : 1500 RMS
 (J3, J6) TO (P3,P6) : 1500 RMS

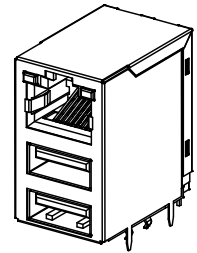
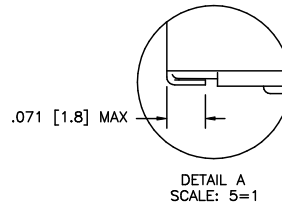
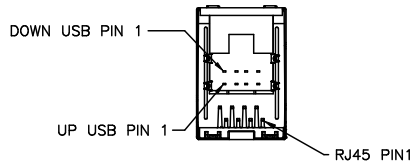
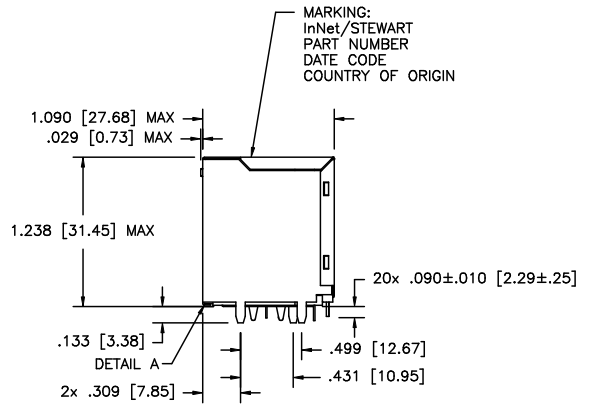
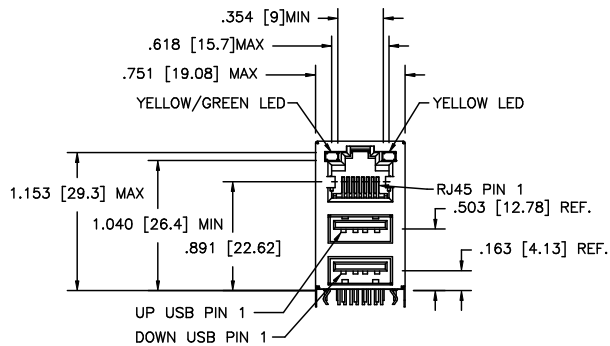
8.0 INSERTION LOSS: RS=RL=100 ohms : -1 dB MAX
 1MHz TO 65MHz

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: 1-65 MHz : -35 dB MIN.

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -30 dB MIN
 100MHz TO 130MHz : -20 dB MIN

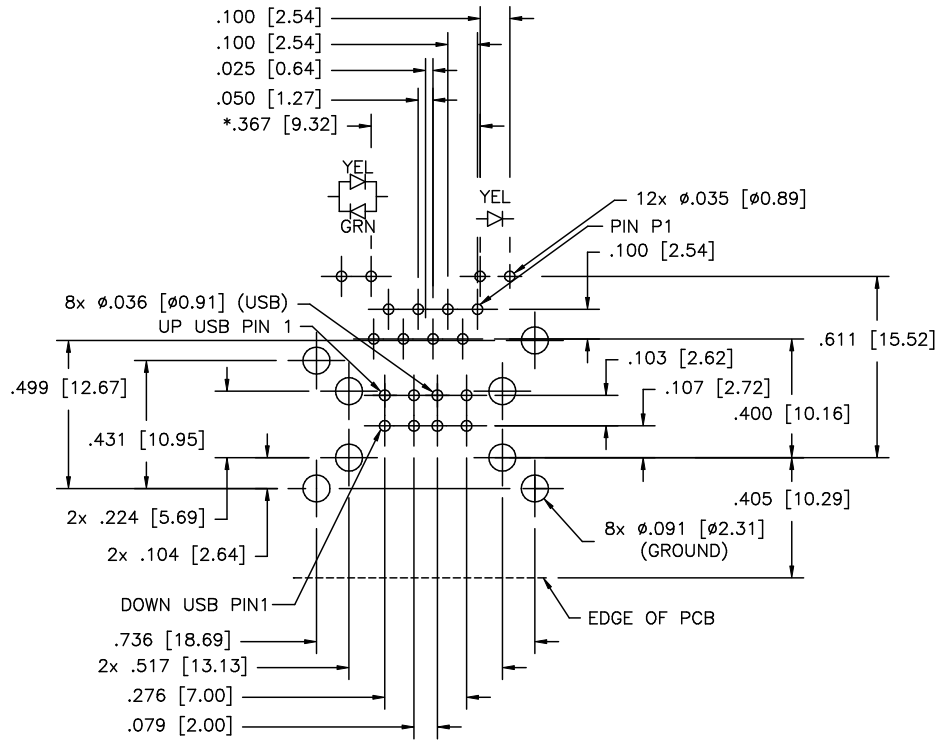
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NOTES:



- 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 MICROINCHES Au OVER 50 MICROINCHES Ni OVER PHOSBRONZE SHIELD, BOTH USB AND RJ45: BRASS PLATED W/EITHER Ni OR TIN-LEAD
- 4.0 GENERAL TOLERANCE: $\pm .005$ [.127]
- 5.0 INSERTION FORCE RJ45: 9.0 lbs MAX
 INSERTION FORCE USB: 7.7 lbs MAX
- 6.0 WITHDRAW FORCE RJ45: 2.9 lbs MIN
 WITHDRAW FORCE USB: 2.2 lbs MIN
- 7.0 DURABILITY FORCE RJ45: 1000 INSERTIONS
 DURABILITY FORCE USB: 1500 INSERTIONS

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PC BOARD LAYOUT COMPONENT SIDE SHOWN
 TOLERANCE: \pm .003 [.08] UNLESS OTHERWISE SPECIFIED

PRELIMINARY
 DRAWING

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