

NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P10-P11) : (J2-J1) : 1CT : 1CT ±3%
 (P13-P12) : (J6-J3) : 1CT : 1CT ±3%
 (P15-P14) : (J5-J4) : 1CT : 1CT ±3%
 (P17-P16) : (J8-J7) : 1CT : 1CT ±3%

2.0 INDUCTANCE: (P10-P11) ; (P13-P12) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
 (P15-P14) ; (P17-P16) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS

3.0 LEAKAGE INDUCTANCE: P10-P11 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
 P13-P12 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
 P15-P14 (WITH J5 AND J4 SHORT) : 0.3uH MAX. @ 1MHz
 P17-P16 (WITH J8 AND J7 SHORT) : 0.3uH MAX. @ 1MHz

4.0 DC RESISTANCE: (J6-J3) ; (J2-J1) ; (J4-J5) ; (J7-J8) : 1.2 ohms Max.

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5.0 RETURN LOSS: 1MHz TO 30MHz : 18dB MIN.
30MHz TO 60MHz : $-(19-20 \text{ LOG } (\frac{F}{30\text{MHz}}))$ MIN.
80MHz : -12dB MIN.

6.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11) ; (J5,J4) TO (P14,P15) : 1500 VAC
(J3,J6) TO (P12,P13) ; (J8,J7) TO (P17,P16) : 1500 VAC

7.0 INSERTION LOSS: RS=RL=100 ohms
100KHz TO 100MHz : -1.1 dB TYP.

8.0 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

9.0 CROSS TALK: 1-60 MHz : -35 dB TYP.
60-100 MHz : -25 dB TYP.

10.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : -30dB MIN.



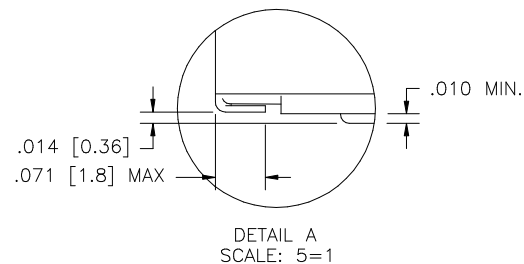
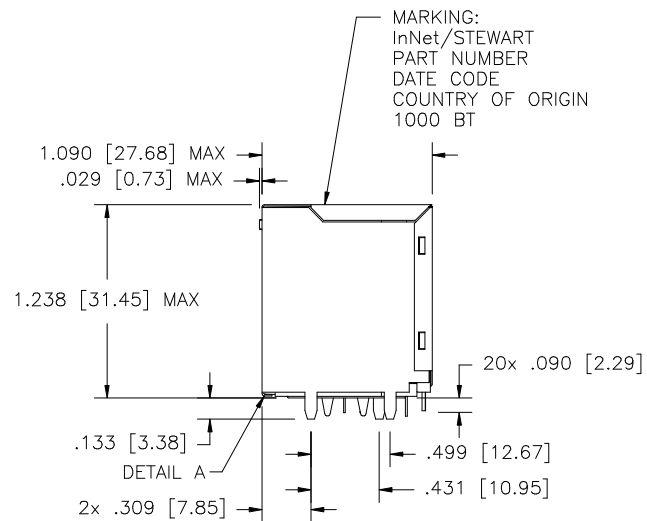
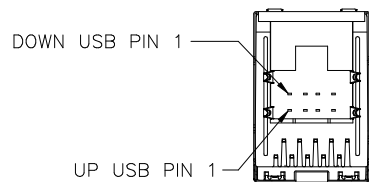
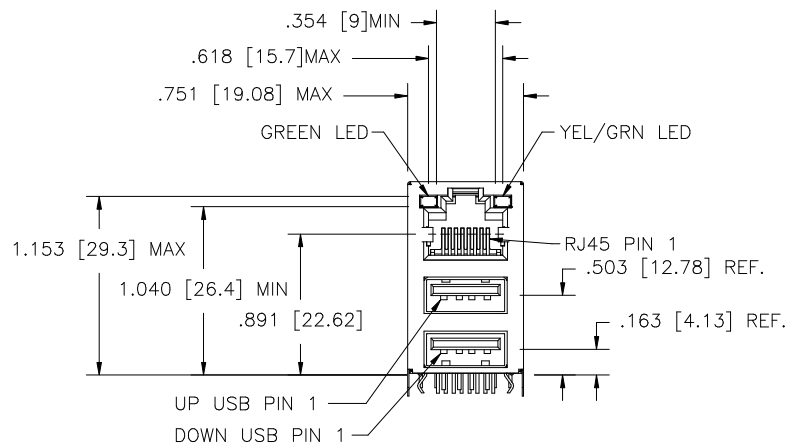
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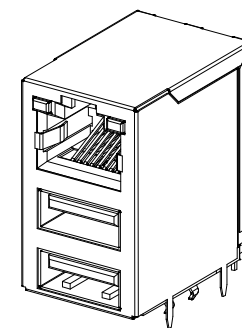
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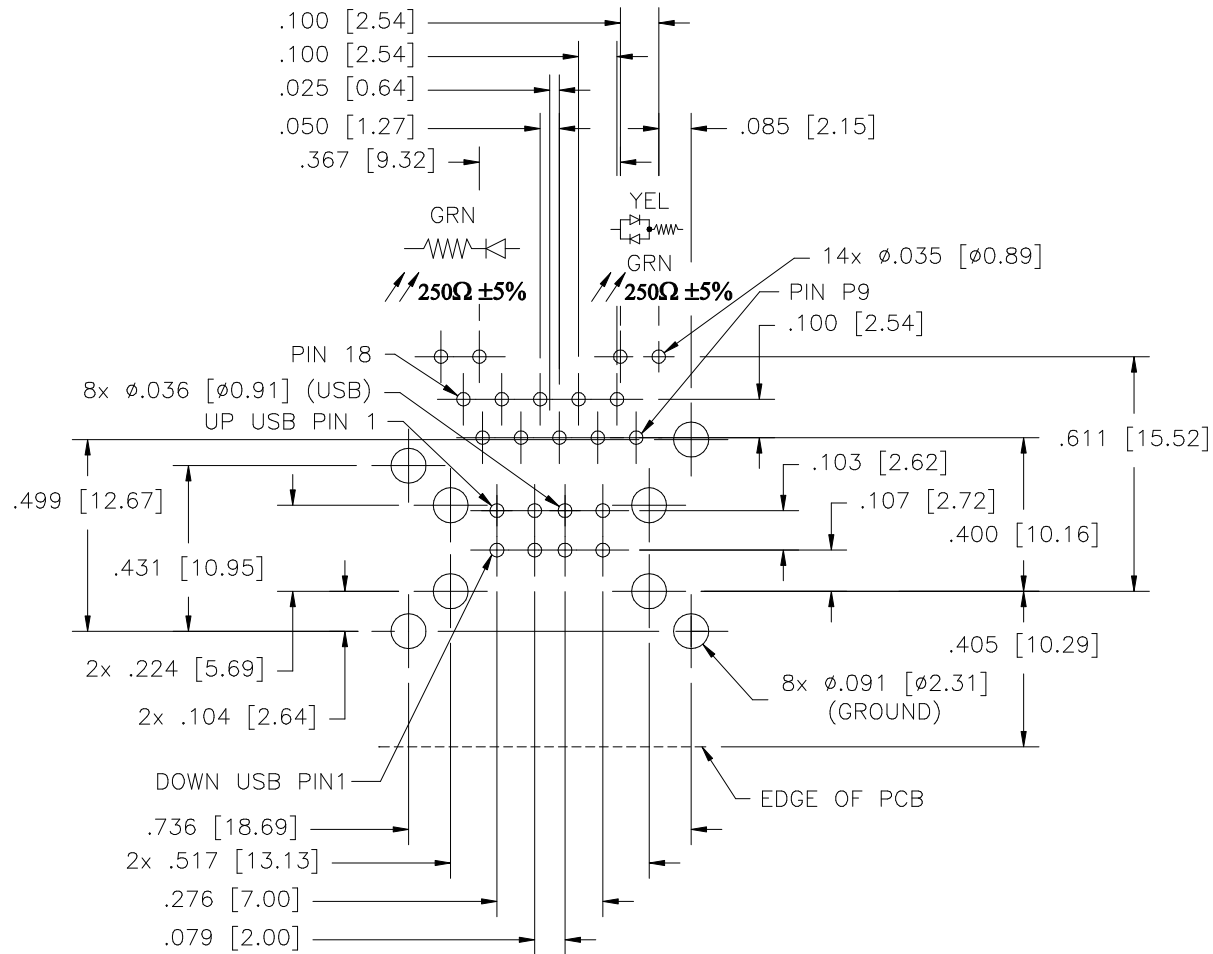


NOTES:



- 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-Ø
 TERMINAL USB: CERTIFIED TO 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: ±.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
- 8.0 CONNECTOR TO PCB INSERTION FORCE: 8.6 lbs MAX



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

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