



NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

- |     |   |  |
|-----|---|--|
| 1.0 | Turns Ratio: (P7-P6-P8) : (J3-J6)                   | : 1CT : 1CT ±3%                          |
|     | (P1-P3-P2) : (J1-J2)                                | : 1CT : 1CT ±3%                          |
| 2.0 | Inductance: (P7-P8)                                 | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
|     | (P1-P2)   | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 | Leakage Inductance: P8-P6-P7 (WITH J6 AND J3 SHORT) | : 0.3uH MAX. @ 1MHz                      |
|     | P2-P3-P1 (WITH J2 AND J1 SHORT)                     | : 0.3uH MAX. @ 1MHz                      |
| 4.0 | Interwinding Capacitance: (P8,P6,P7) TO (J6,J3)     | : 30pf MAX @ 1MHz                        |
|     | (P2,P3,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: (P7-P8)=100 OHMS AND (P1-P2)=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, P2) : 1500 VAC  
(J3, J6) TO (P7,P8) : 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: 1-100 MHz : 30 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP



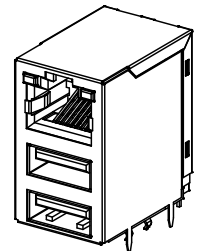
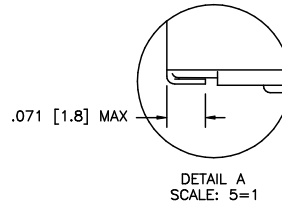
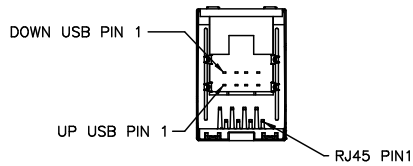
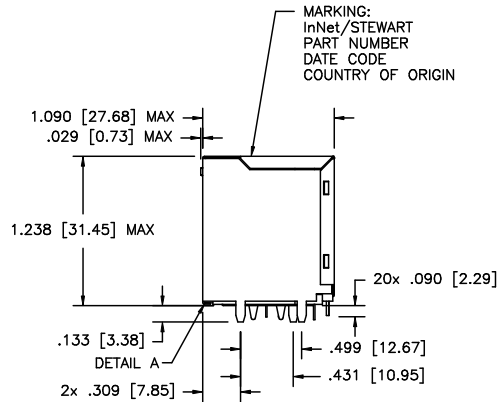
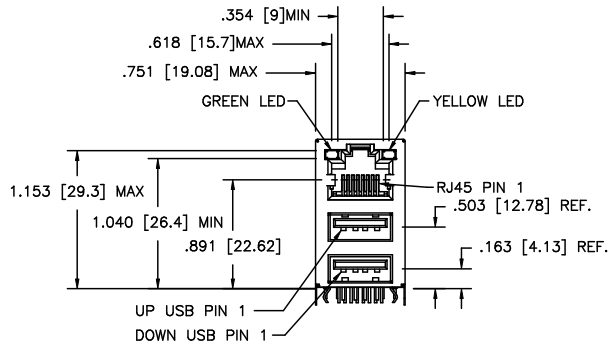
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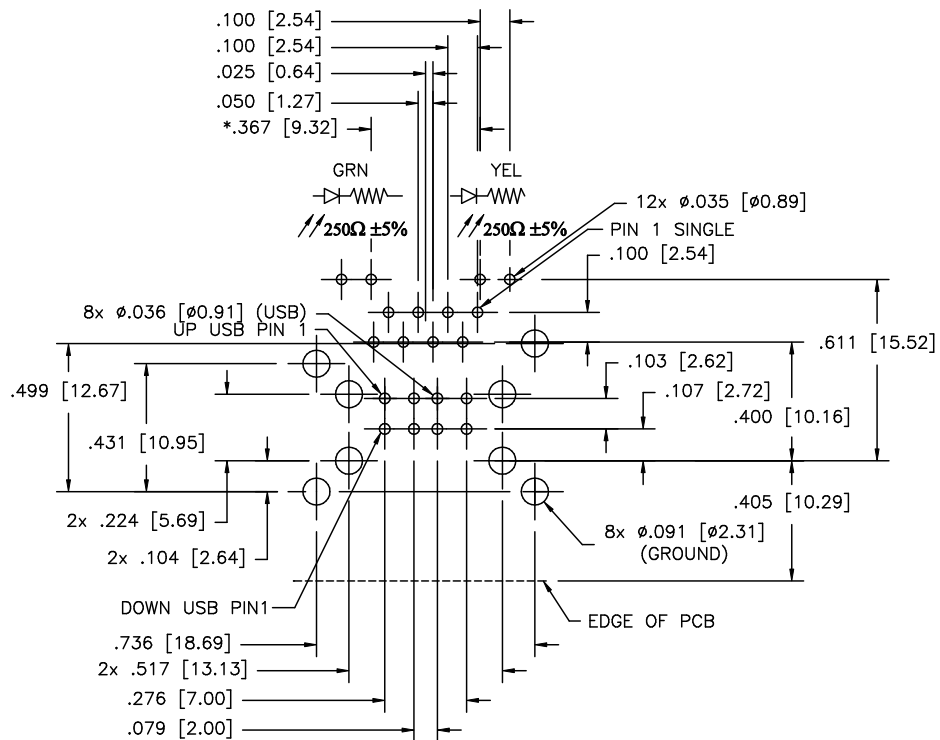


NOTES:

- 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: PdNi AT 30 MICROINCHES
  - 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]

PRELIMINARY  
DRAWING

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

PRELIMINARY  
 DRAWING

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		Stewart Connector Systems <a href="http://www.stewartconnector.com">http://www.stewartconnector.com</a>	
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