

NOTES:



1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

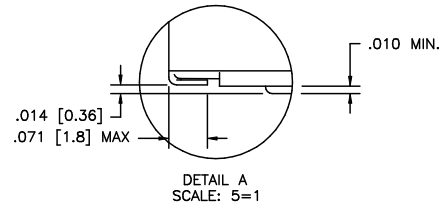
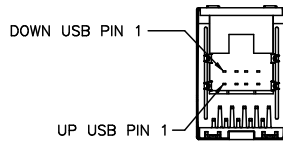
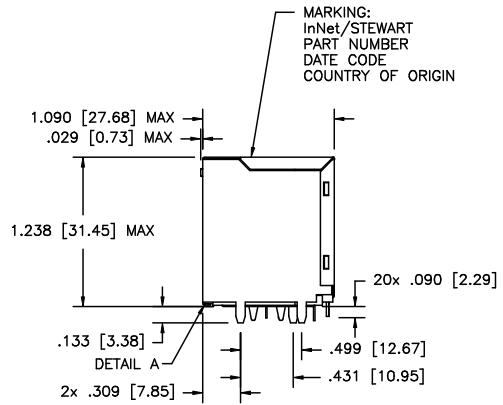
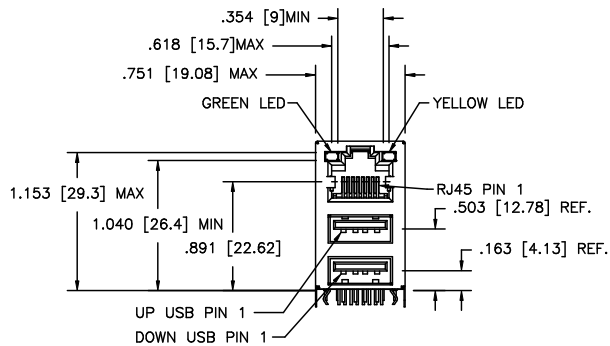
ELECTRICAL SPECIFICATIONS:

- 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. @ 0.01V, 100KHz, 8 mA DC BIAS  
 (P15-P14) ; (P17-P16) : 350 uH MIN. @ 0.01V, 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 INTERWINDING CAPACITANCE: (P10-P11) : (J2-J1) : 70pf MAX @ 1MHz  
 (P13-P12) : (J6-J3) : 70pf MAX @ 1MHz  
 (P15-P14) : (J5-J4) : 70pf MAX @ 1MHz  
 (P17-P16) : (J8-J7) : 70pf MAX @ 1MHz
- 5.0 DC RESISTANCE: (J6-J3) ; (J2-J1) ; (J4-J5) ; (J7-J8) : 1.2 ohms Max.

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SHEET 1 OF 4	DRAWING NO.	SI-71003 REV X4

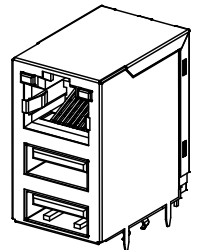
6.0 RETURN LOSS: 1MHz TO 30MHz	: 18dB MIN.
30MHz TO 60MHz	: $-(19-20 \text{ LOG } (\frac{F}{30\text{MHz}}))$ MIN.
80MHz	: -12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P2,P3) ; (J5,J4) TO (P6-P5)	: 1500 VAC
(J3,J6) TO (P7,P4) ; (J8,J7) TO (P9, P8)	: 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms	
100KHz 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: 1-60 MHz	: -35 dB MIN
60-100 MHz	: -25 dB MIN
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: -30dB MIN.

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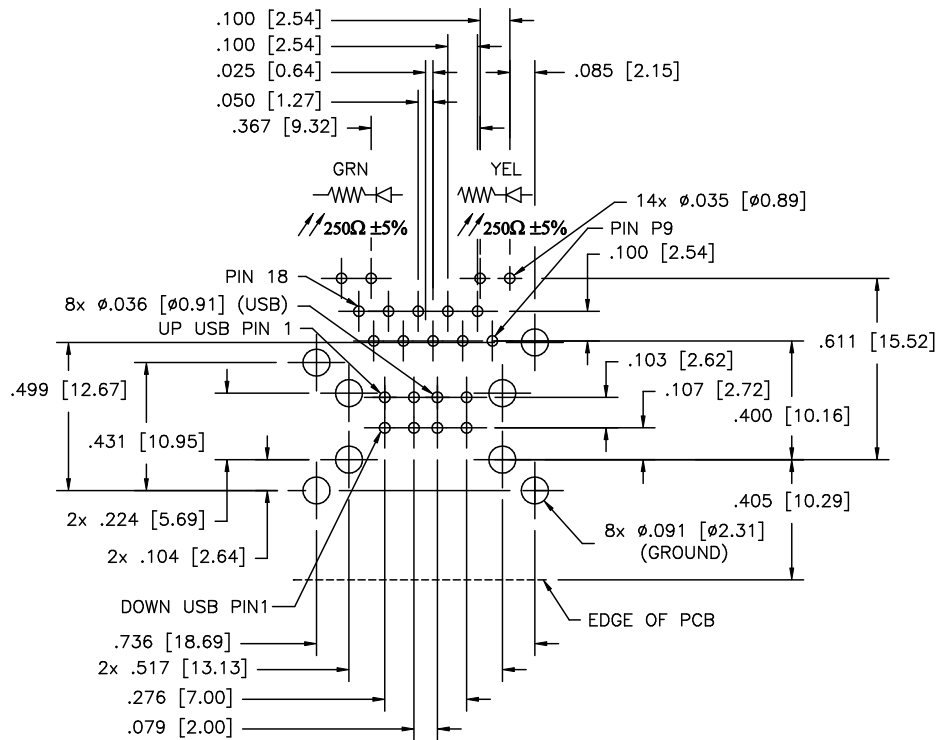


NOTES:



- 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: 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:  $\pm .005$  [.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
- 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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