



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



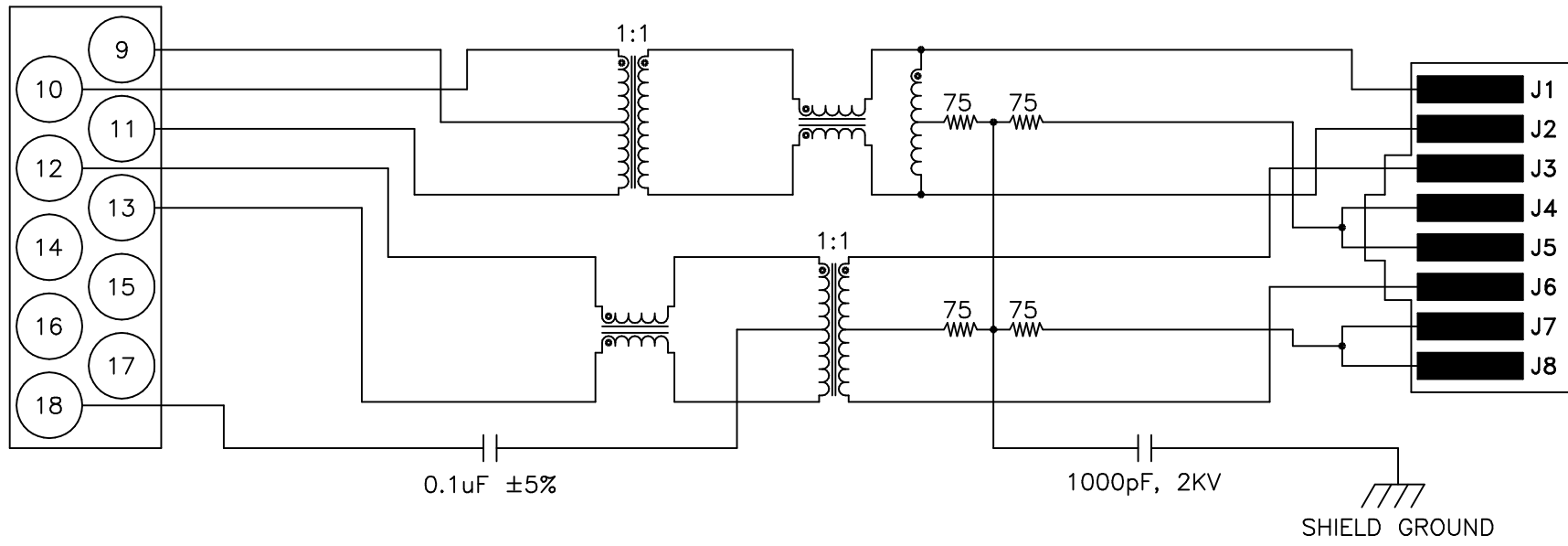
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ELECTRICAL SPECIFICATIONS:

- | | | |
|-----|--|--|
| 1.0 | URNS RATIO: (P12-P18-P13) : (J3-J6) | : 1CT : 1CT ±3% |
| | (P10-P9-P11) : (J1-J2) | : 1CT : 1CT ±3% |
| 2.0 | INDUCTANCE: (P12-P13) | : 400uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | (J1-J2) | : 400uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 | LEAKAGE INDUCTANCE: P12-P13 (WITH J6 AND J3 SHORT) | : 0.3uH MAX. @ 1MHz |
| | P10-P11 (WITH J2 AND J1 SHORT) | : 0.3uH MAX. @ 1MHz |
| 4.0 | INTERWINDING CAPACITANCE: (P12,P13) TO (J6,J3) | : 30pf MAX @ 1MHz |
| | (P10,P9,P11) 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: (P10-P11)=100 OHMS AND (P12-P13)=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 (J6-J3).



7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P10, P11) : 1500 RMS
 (J3, J6) TO (P12,P13) : 1500 RMS

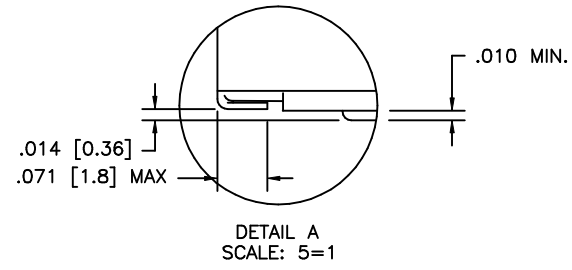
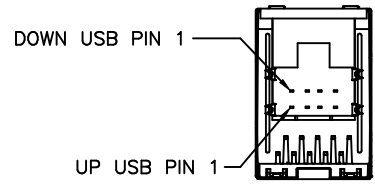
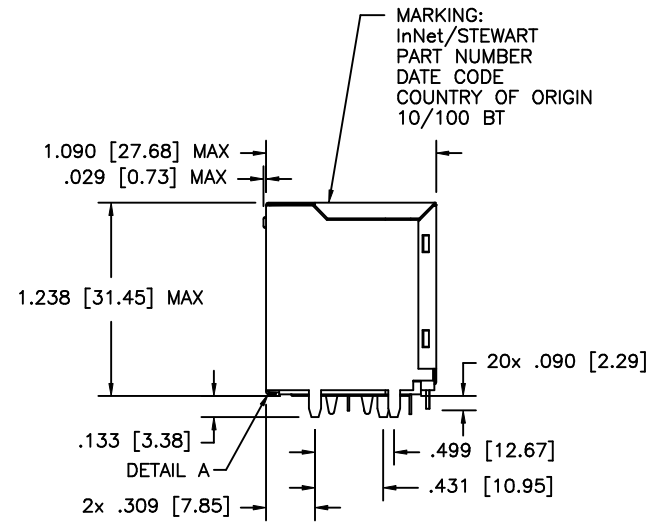
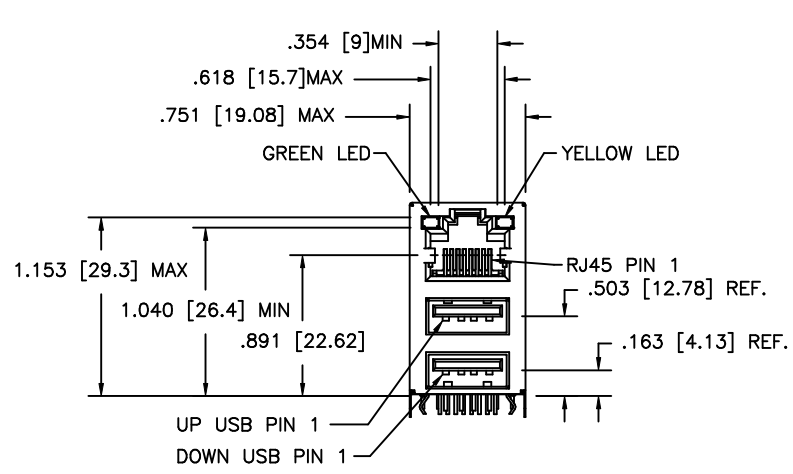
8.0 INSERTION LOSS: RS=RL=100 ohms
 1MHz TO 65MHz : -1 dB MAX

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: 1-65 MHz : -35 dB MIN.

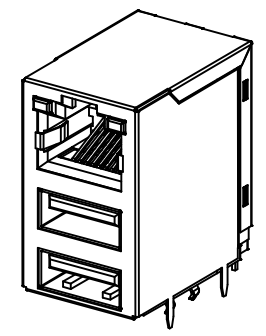
11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -30 dB MIN
 100MHz TO 130MHz : -20 dB MIN

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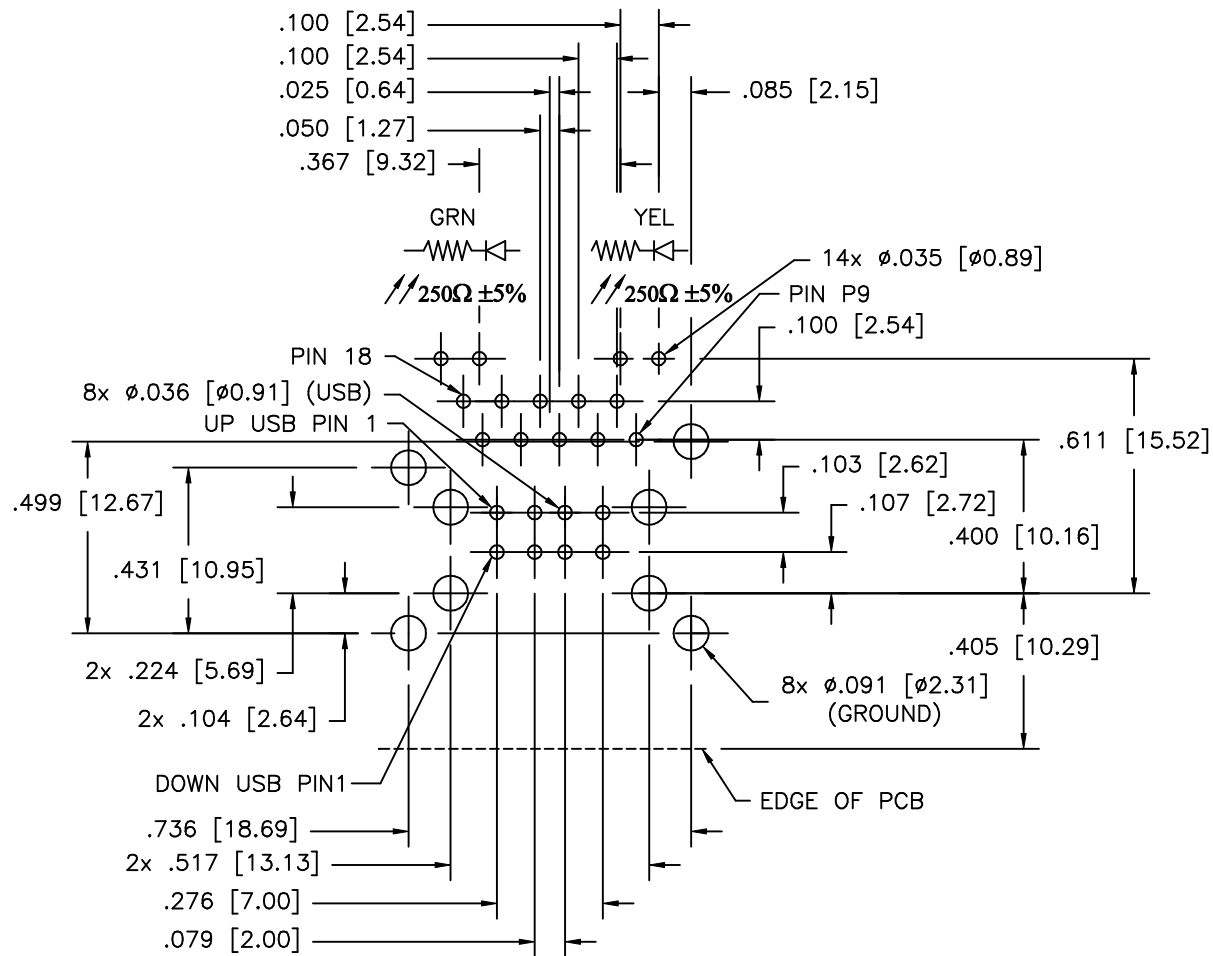


NOTES:



- 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-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: ± 0.003 [.08] UNLESS OTHERWISE SPECIFIED

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