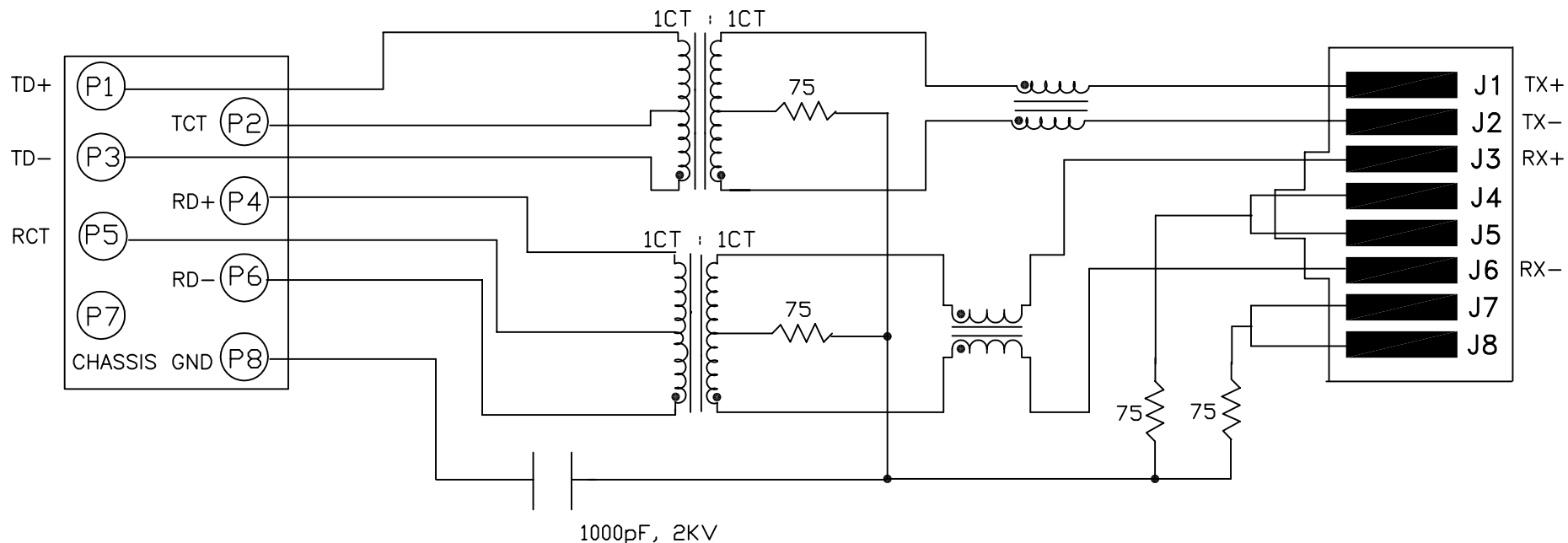




ELECTRICAL SPECIFICATIONS:

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

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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SHEET
1 OF 4

DRAWING NO.

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RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.

1MHz TO 30MHz
30MHz TO 80MHz

: 18dB MIN.
: 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)
(J3, J6) TO (P4,P6)

: 1500 VAC
: 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
PULSE WIDTH= 112nS

: 3.0 nS MAX
: 3.0 nS MAX

10.0 CROSS TALK: 1-100 MHz

: 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz

: 35dB TYP

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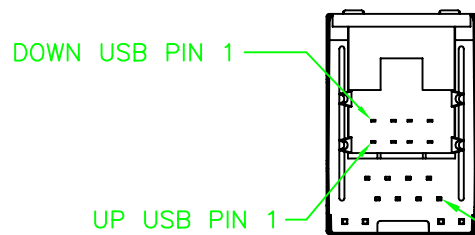
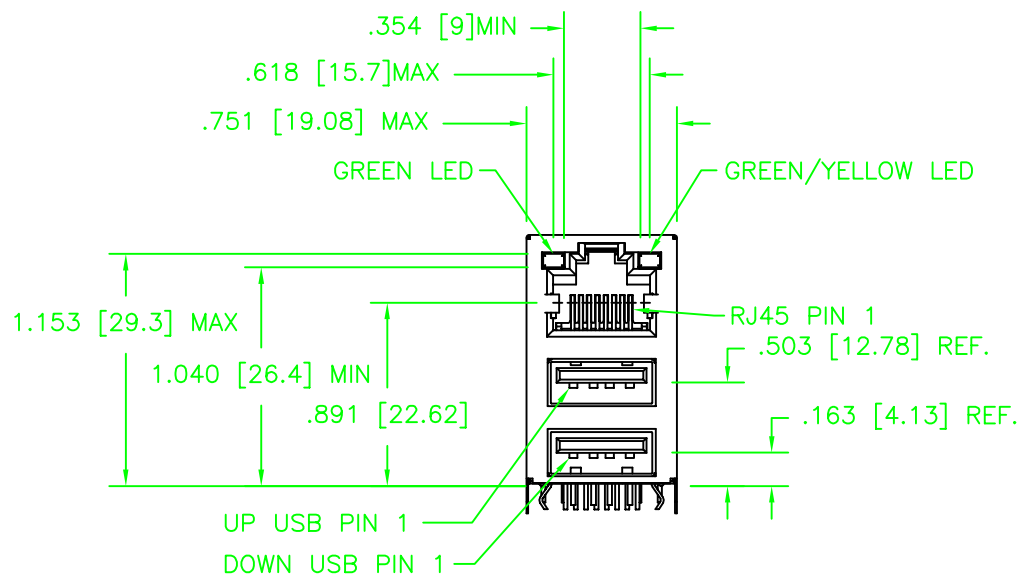
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SHEET
2 OF 4

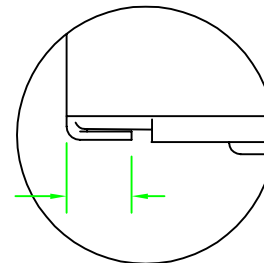
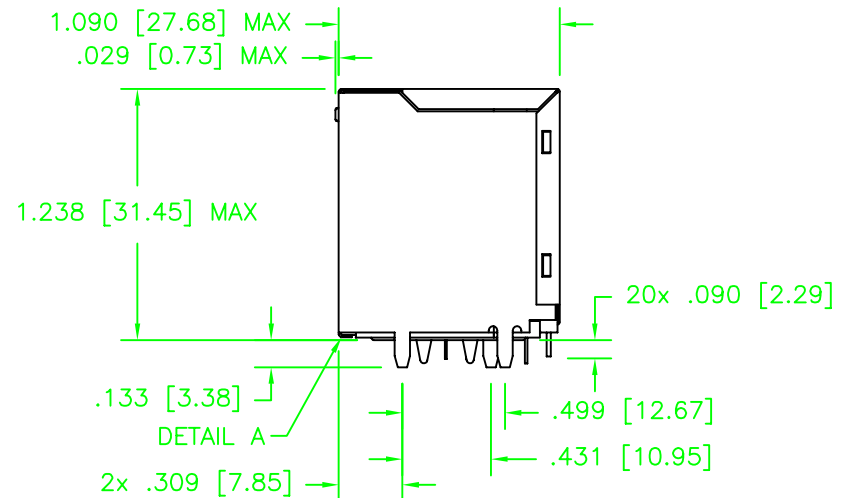
DRAWING NO.

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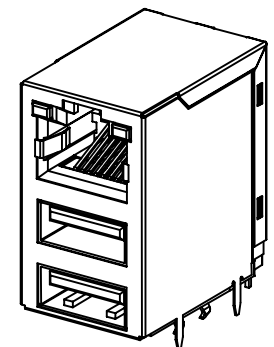
REV.
05



RJ45 PIN1



SCALE: 5=1



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: ± 0.005 [.127]

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3 OF 4

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02

