


ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P3-P7-P6) : (J3-J6) : 1CT : 1CT ±3%
(P1-P4-P5-P2) : (J1-J2) : 1CT : 1CT ±3%
- 2.0 INDUCTANCE: (P3-P6) : 400uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(J1-J2) : 400uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P3-P6 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
P2-P1 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: (P3,P6,P7) TO (J6,J3) : 30pf MAX @ 1MHz
(P2,P4,P5,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: (J3-J6)=100 OHMS AND (P1-P2)=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 (P6-P3).
- 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) : 1500 RMS
 (J3, J6) TO (P3,P6) : 1500 RMS
- 8.0 INSERTION LOSS: RS=RL=100 ohms : -1 dB MAX
 1MHz TO 65MHz
- 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: 1-65 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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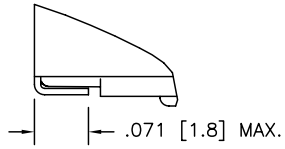
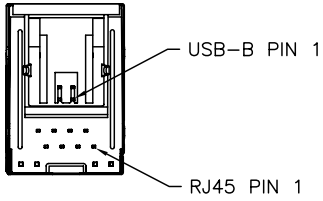
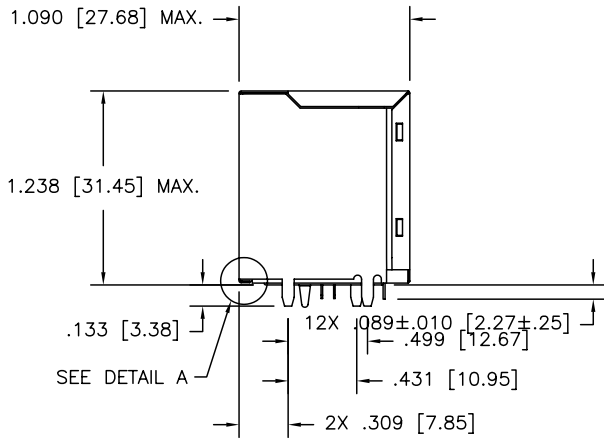
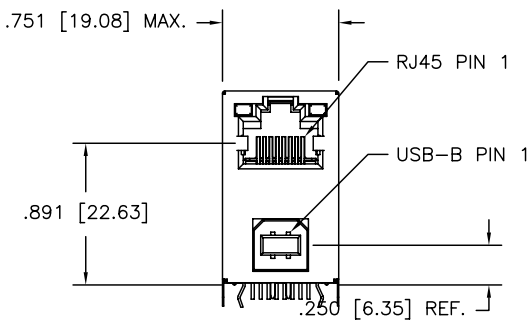
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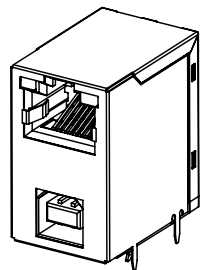
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DETAIL A
SCALE 5=1



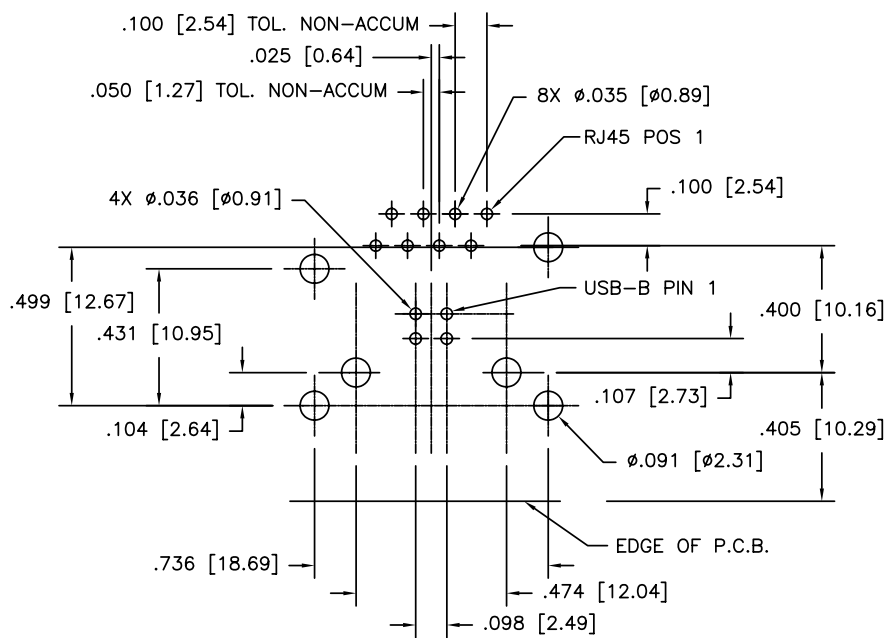
NOTES:

1. CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
5. WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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PC BOARD LAYOUT COMPONENT SIDE SHOWN
 TOLERANCE: ± 0.003 [.08] UNLESS OTHERWISE SPECIFIED

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