

- 6.0 RETURN LOSS: (J3-J6)=100 OHMS AND (P1-P2)=100 OHM REF.
 1MHz TO 30MHz : -20dB MIN.
 30MHz TO 60MHz : -(19-20LOG (f/30MHz)) 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
 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

Bel Stewart Connector
 11118 Susquehanna Trail, South
 Glen Rock, Pa 17327-9199
 717.234.7512

MagJack®

<http://www.stewartconnector.com>

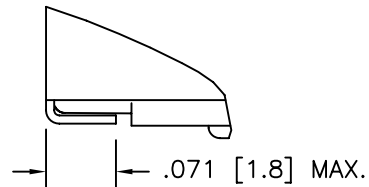
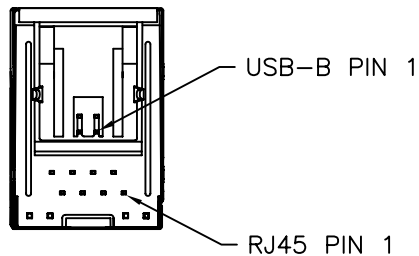
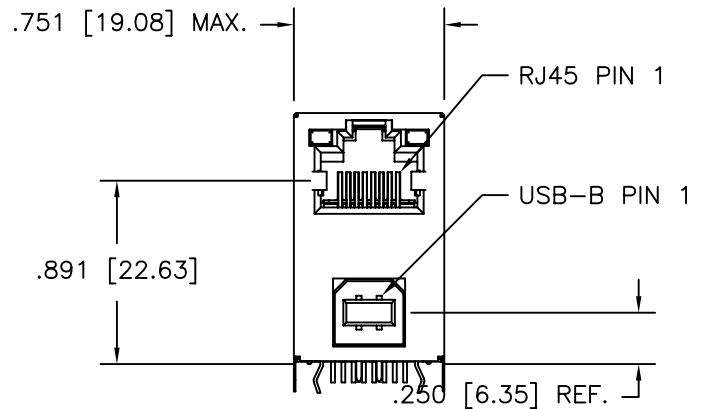
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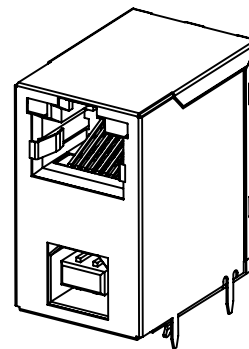
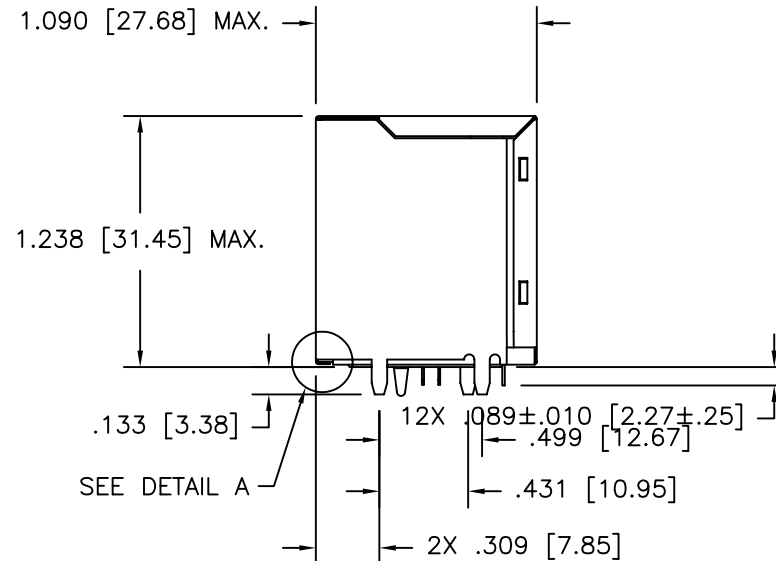
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09



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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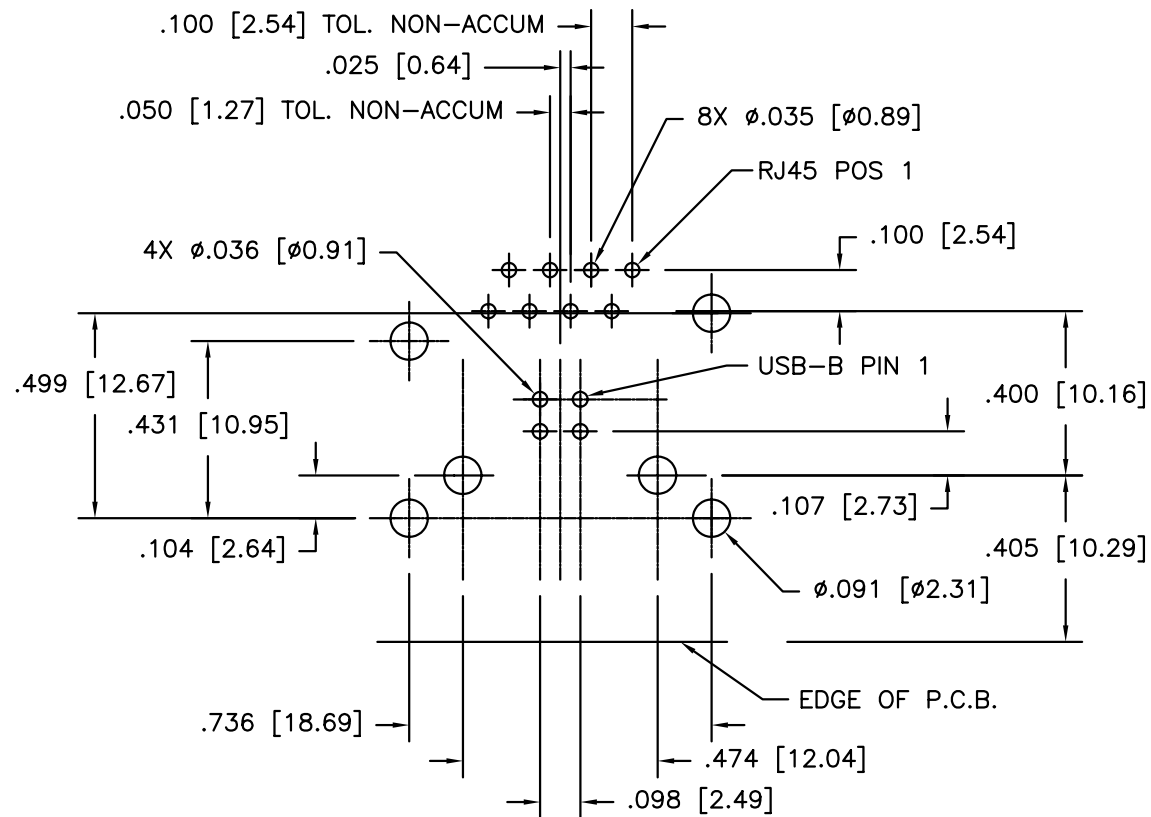
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PC BOARD LAYOUT COMPONENT SIDE SHOWN
TOLERANCE: $\pm$.003 [0.08] UNLESS OTHERWISE SPECIFIED

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DRAWING NO.

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