

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

- |     |  |                             |
|-----|--|-----------------------------|
| 1.0 | URNS RATIO: TURNS RATIO (P6-P8-P3) : (J6-J3)     | : 1CT : 2.5 ±3%             |
|     | (P2-P7-P1) : (J2-J1)                             | : 1CT : 1 ±3%               |
| 2.0 | INDUCTANCE: (P6-P3)                              | : 35uH MIN. @ 0.01V, 10KHz  |
|     | (P2-P1)  | : 200uH MIN. @ 0.01V, 10KHz |
| 3.0 | LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT) | : 0.3uH MAX. @ 1MHz         |
|     | P2-P1 (WITH J2 AND J1 SHORT)                     | : 0.3uH MAX. @ 1MHz         |
| 4.0 | INTERWINDING CAPACITANCE: (P6,P3) TO (J6,J3)     | : 10pf MAX. @ 1MHz          |
|     | (P2,P1) TO (J2,J1)                               | : 10pf MAX. @ 1MHz          |
| 5.0 | DC RESISTANCE: 5.0 DC RESISTANCE (J6-J3)=(J2-J1) | : 1.0 ohms Max.             |
|     | (P6-P8)=(P8-P3)                                  | : 0.3 ohms Max.             |
|     | (P2-P7)=(P7-P1)                                  | : 0.3 ohms Max.             |
| 6.0 | DIELECTRIC WITHSTAND: (P6,P3) TO (J6,J3)         | : 1500VAC                   |
|     | (P2,P1) TO (J2,J1)                               | : 1500VAC                   |

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

**MagJack®**

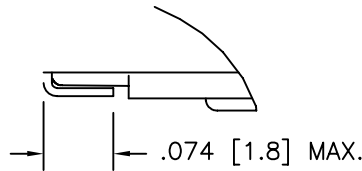
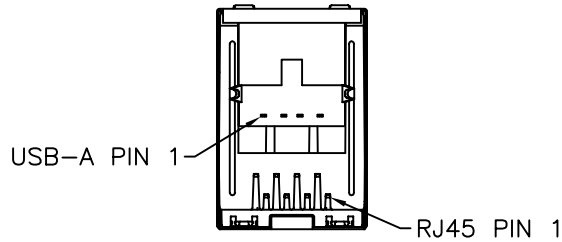
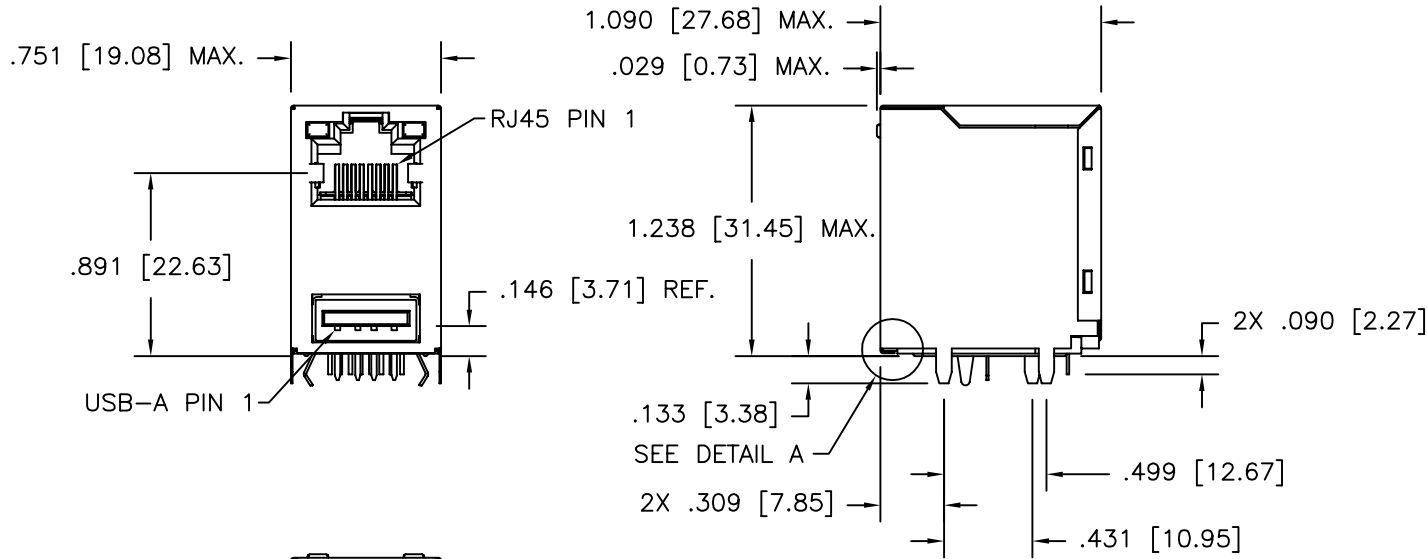
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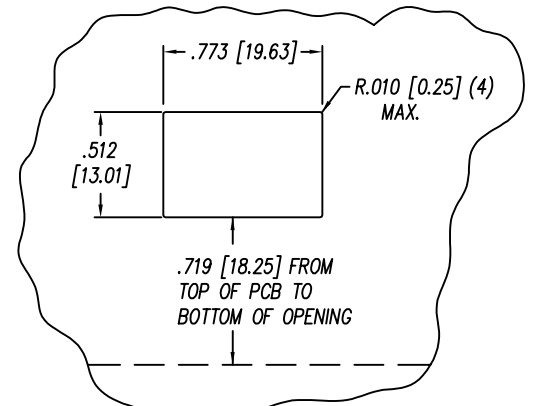
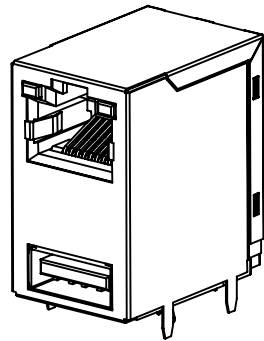
SHEET  
1 OF 3

DRAWING NO. SI-70029

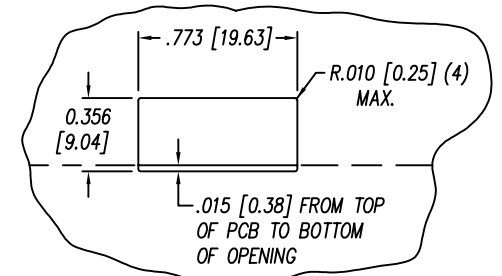
REV. 03



DETAIL A  
SCALE 5=1



SUGGESTED PANEL OPENING (N.T.S.)  
RJ45 ONLY



SUGGESTED PANEL OPENING (N.T.S.)  
USB-A ONLY

NOTES:

- 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.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.  
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE  $\pm 0.005$  [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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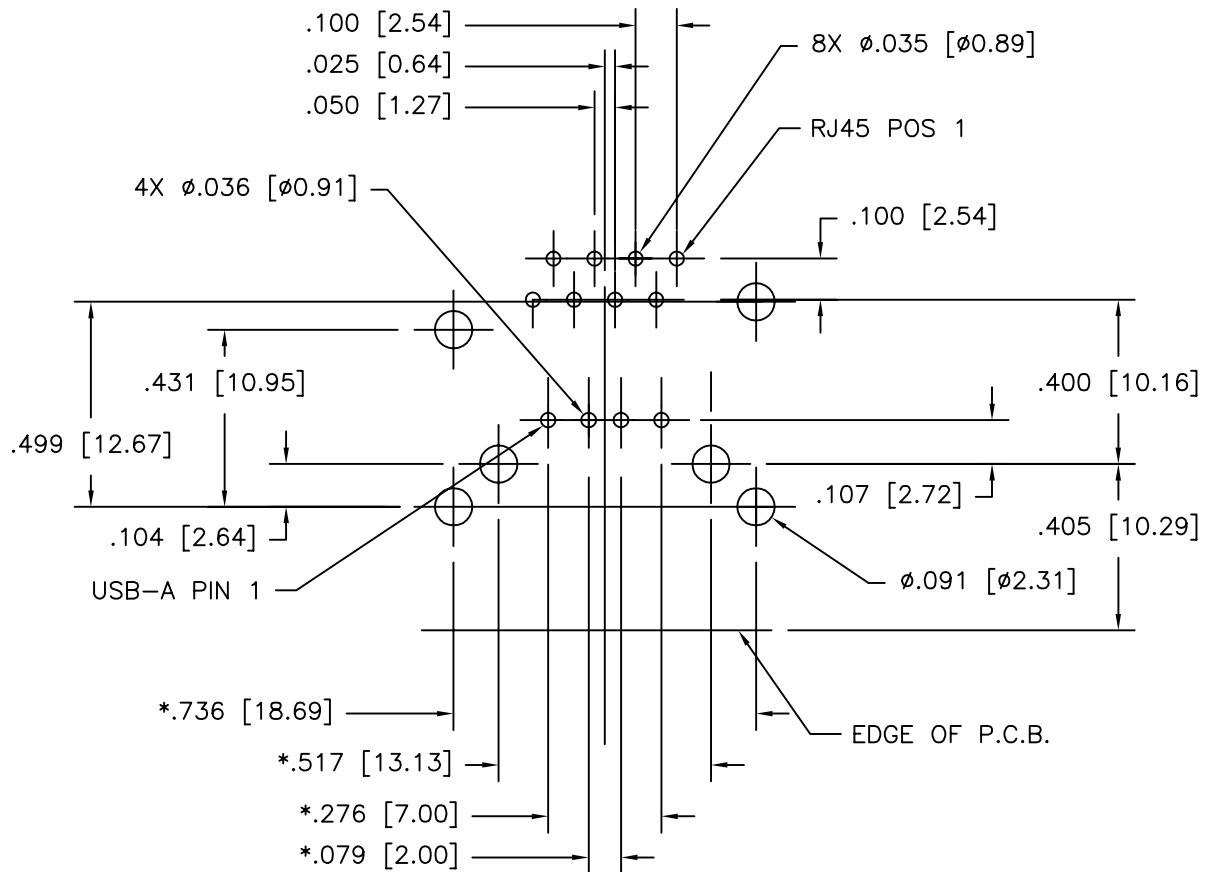
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SI-70029

REV.  
05



P.C.B. RECOMMENDED HOLE LAYOUT  
 SEEN FROM COMPONENT SIDE  
 TOLERANCE  $\pm$ .003 [0.08] UNLESS OTHERWISE SPECIFIED

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SHEET  
 3 OF 3

DRAWING NO. SI-70029

REV. 05