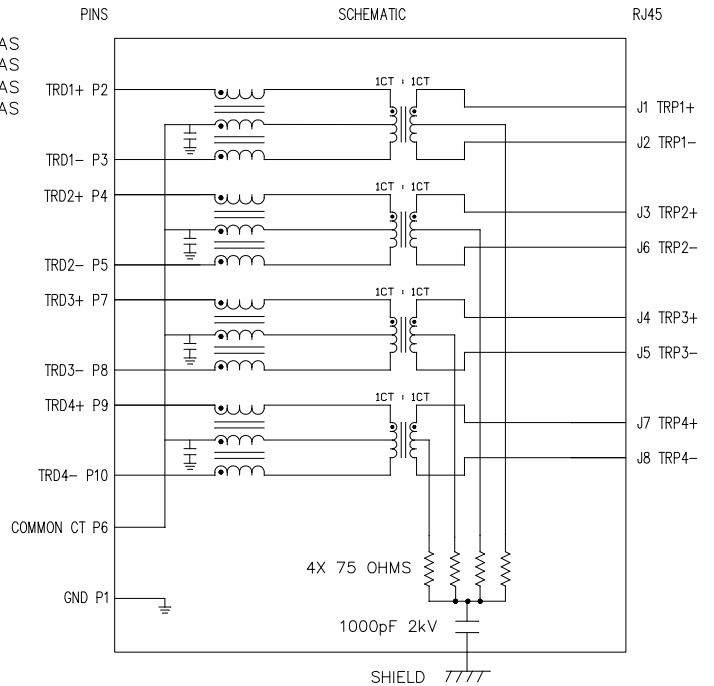


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ELECTRICAL CHARACTERISTICS @ 25°C

- 1.0 INDUCTANCE:
 - (P2-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
 - (P4-P5) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
 - (P7-P8) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
 - (P9-P10) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
- 2.0 TURNS RATIO:
 - (P2-P3):(J1-J2) : 1CT : 1CT ± 2%
 - (P4-P5):(J3-J6) : 1CT : 1CT ± 2%
 - (P7-P8):(J4-J5) : 1CT : 1CT ± 2%
 - (P9-P10):(J7-J8) : 1CT : 1CT ± 2%
- 3.0 RETURN LOSS: 100 OHM REF.
 - 500kHz TO 40MHz : -18dB MIN.
 - 40MHz TO 100MHz : -12+20LOG(f/80MHz) MIN.
- 4.0 INSERTION LOSS: RS=RL=100 OHMS
 - 100kHz TO 100MHz : -1.2dB MAX.
- 5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4
 - 1MHz TO 30MHz : -35dB MIN.
 - 30MHz TO 80MHz : -24dB MIN.
 - 80MHz TO 100MHz : -25dB MIN.
- 6.0 CM TO CM REJECTION:
 - 100kHz TO 100MHz : -30dB MIN.
- 7.0 CM TO DM REJECTION:
 - 100kHz TO 100MHz : -35dB MIN.
- 8.0 VOLTAGE WITHSTAND:
 - (J1,J2) TO (P2,P3) : 1500Vrms
 - (J3,J6) TO (P4,P5) : 1500Vrms
 - (J4,J5) TO (P7,P8) : 1500Vrms
 - (J7,J8) TO (P9,P10) : 1500Vrms



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| Bain Liu | 02-10-09 | MagJack® 10/100/1000BT TAB UP, SHIELDED |
| DRAWN BY | DATE | |
| LW Yuan | 02-10-09 | |

| | |
|------------------------|----------------|
| PART NO. / DRAWING NO. | SI-51005-F |
| FILE NAME | SI-51005-F.DWG |

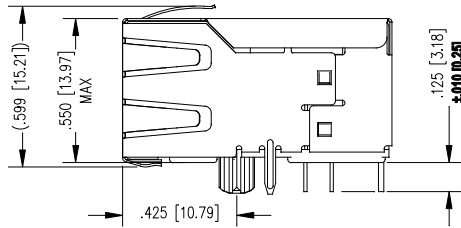
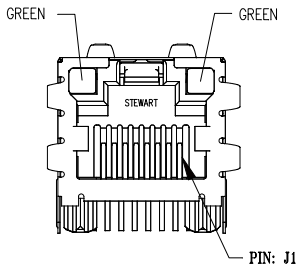
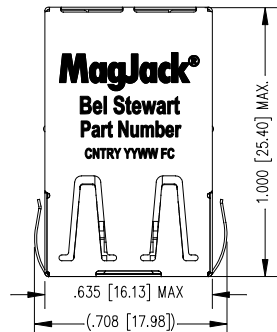
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| .X | UNIT : INCH [mm] |
| .XX | SCALE : N/A |
| .XXX ±0.005 | REV. : A0 |
| | SIZE : A4 |
| | PAGE : 2 |

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| | COMPONENTS & ASSEMBLY |
| | PLACEMENT |
| | |
| | |

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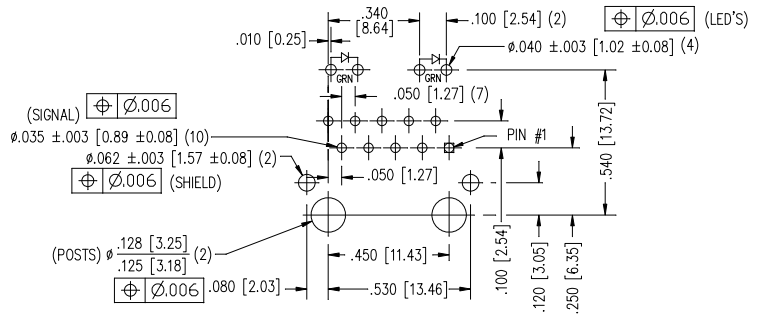
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| LED SPECIFICATION | | | |
|-------------------|------------|-----------------|---------|
| STANDARD LED | WAVELENGTH | FORWARD V (MAX) | * (TYP) |
| GREEN | 565 nm | 2.5 V | 2.2 V |

*WITH A FORWARD CURRENT OF 20 mA (TYP)



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.

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 ±.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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| DRAWN BY | DATE | |
| LW Yuan | 02-10-09 | |

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| PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE |
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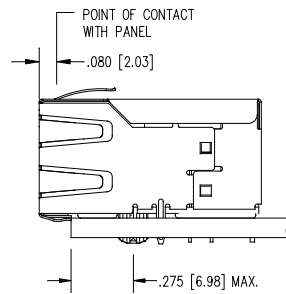
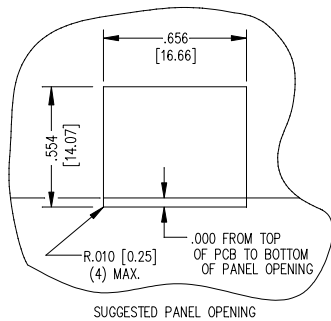
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

| | | | | | |
|---------------|----------|--|------------------------|----------------------------|------------------------------|
| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE |
| Bain Liu | 02-10-09 | MagJack® 10/100/1000BT TAB UP, SHIELDED | SI-51005-F | .X | UNIT : INCH [mm] |
| DRAWN BY | DATE | | FILE NAME | .XX | SCALE : N/A |
| LW Yuan | 02-10-09 | | SI-51005-F.DWG | .XXX | ±0.005 |
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