



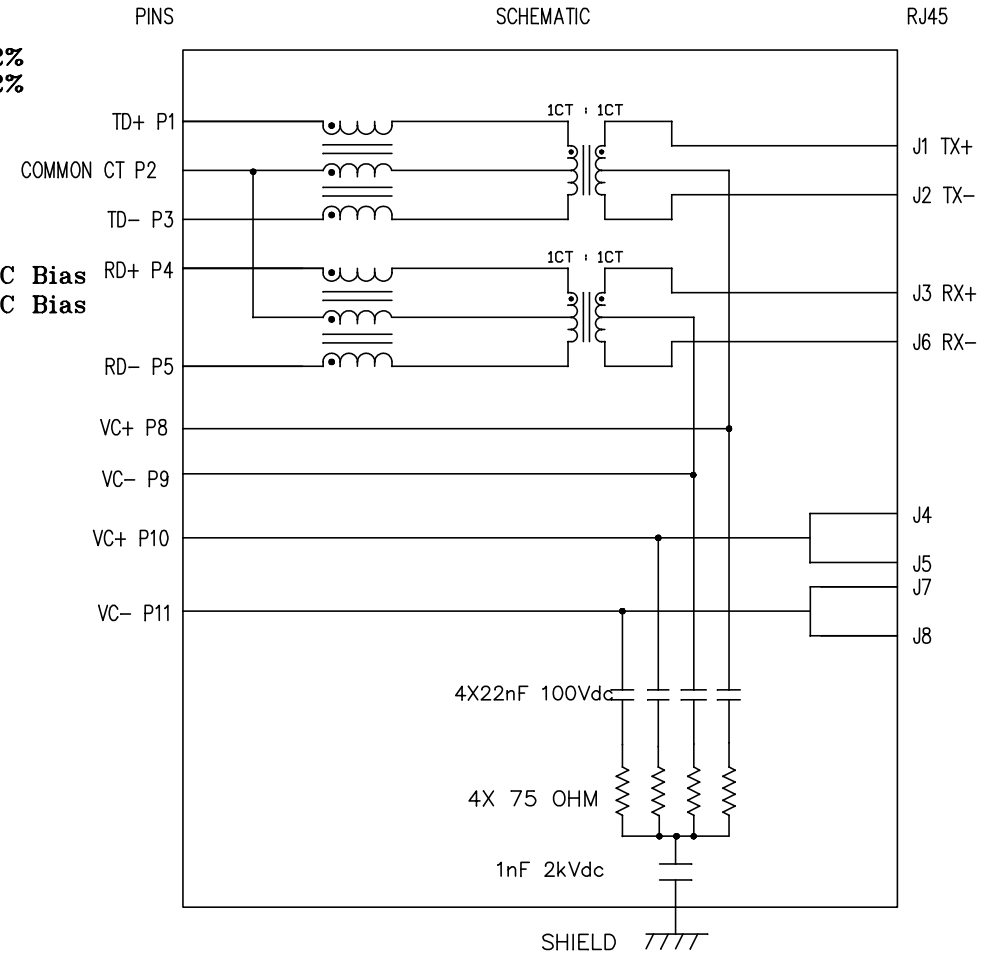
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RoHS



ELECTRICAL CHARACTERISTICS @ 25° C

- 1.0 TURNS RATIO: (P1-P3) : (J1-J2) : 1CT : 1CT ± 2%  
(P4-P5) : (J3-J6) : 1CT : 1CT ± 2%
- 2.0 DC RESISTANCE: (P1-P3); (P4-P5) : 1.2 OHMS  
(J1-J2); (J3-J6) : 0.8 OHMS
- 3.0 INDUCTANCE: (P1-P3) : 350uH MIN. @ 0.1V, 100KHz, 12mA DC Bias  
(P4-P5) : 350uH MIN. @ 0.1V, 100KHz, 12mA DC Bias
- 4.0 RETURN LOSS: (P1-P3)=100 OHMS REF. AND (P4-P5)=100 OHM REF.  
1MHz TO 30MHz : 16dB MIN.  
60MHz TO 80MHz : 10dB MIN.
- 5.0 INSERTION LOSS: RS & RL =100 ohms  
1MHz TO 100MHz : 1.5 dB MAX
- 6.0 CROSS TALK: 1MHz - 100 MHz : 30 dB MIN.
- 7.0 DIELECTRIC WITHSTAND: (P1-P3) TO (J1-J2) : 2000 Vrms  
(P4-P5) TO (J3-J6) : 2000 Vrms
- 8.0 BALANCED DC LINE CURRENT: USED PAIRS : 700mA MAX  
UNUSED PAIRS : 700mA MAX
- 9.0 OPERATING TEMPERATURE: : -40 to 85° C



ORIGINATED BY	DATE	TITLE
Zeng Xiaochun	2012-04-18	<b>MagJack®</b> 10/100BT, PoEP TAB UP, SHIELDED PATENTED
DRAWN BY	DATE	
Duan Jun	2012-04-18	

PART NO. / DRAWING NO.	STANDARD DIM.
SI-52007-F	TOL. IN INCH
FILE NAME	
SI-52007-F.DWG	

[ ] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : 03
SIZE : A4
PAGE : 2



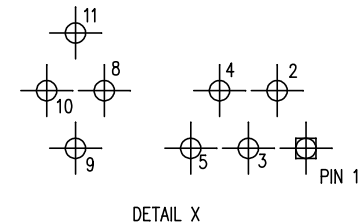
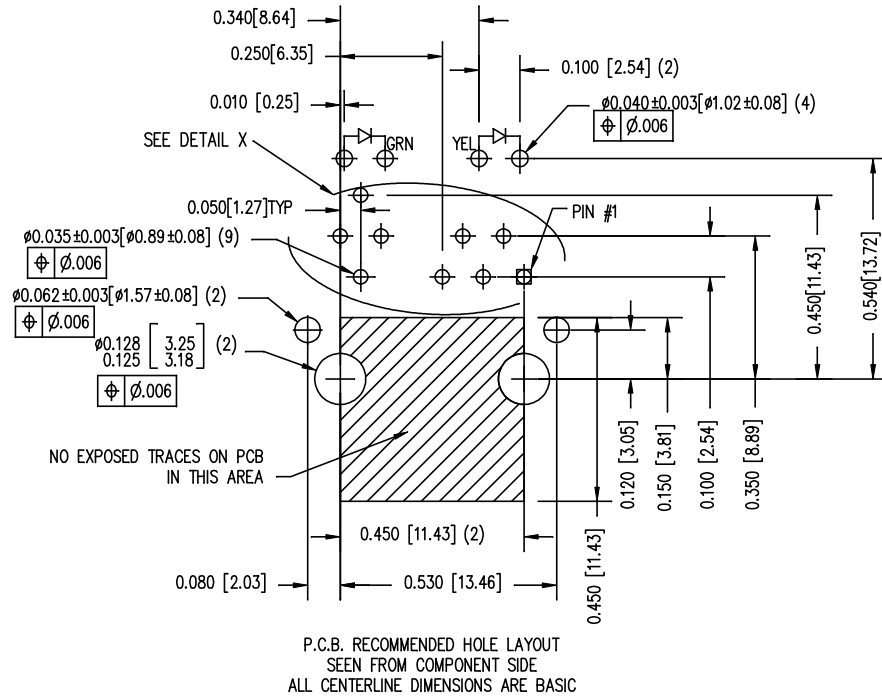
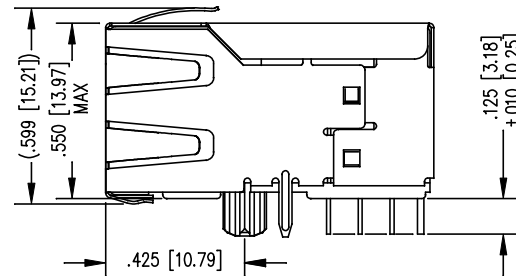
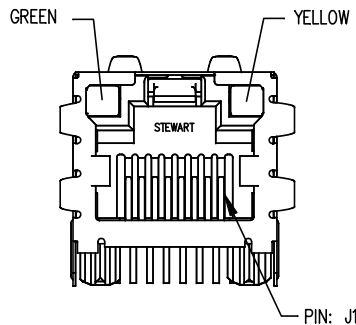
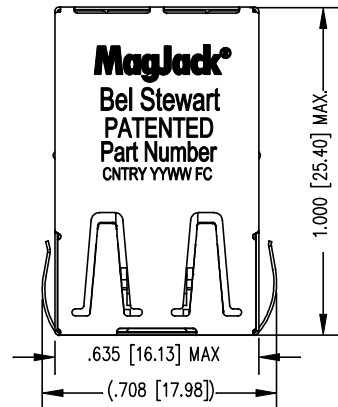
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STANDARD LED	WAVELENGTH	Forward V (MAX)	* (TYP)
YELLOW	590 nm	2.5 V	2.1 V
GREEN	565 nm	2.5 V	2.2 V

\* WITH A FORWARD CURRENT OF 20 mA (TYP)



NOTES:

- CONNECTOR MATERIALS:  
HOUSING: THERMOPLASTIC UL94 V-0  
CONTACT/SHIELD: COPPER ALLOY  
SHIELD PLATING: NICKEL OR TIN  
CONTACT PLATING: 50 MICRO-INCH SELECTIVE HARD GOLD PLATING OR EQUIVALENT 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 ±0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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TITLE	<b>MagJack®</b> 10/100BT, PoEP TAB UP, SHIELDED PATENTED
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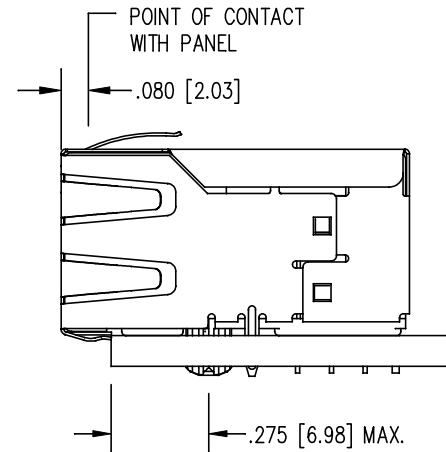
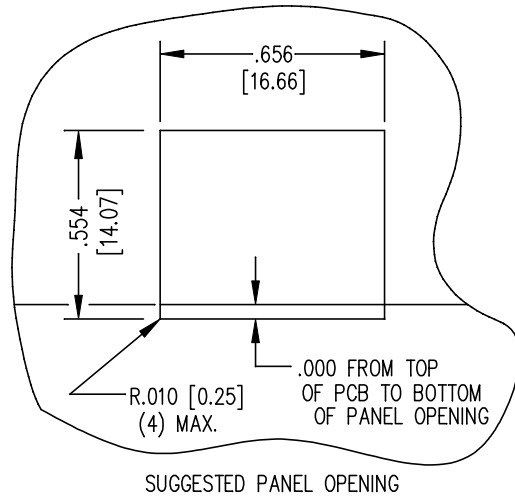
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TOL. IN INCH	UNIT : INCH [mm]
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.XX	REV. : 03
.XXX	SIZE : A4
±0.005	PAGE : 3

[ ] METRIC DIM. AS REFERENCE	REV. : 03
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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  $\pm 0.005$  [0.13]

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Duan Jun	2012-04-18		SI-52007-F.DWG	.XXX	$\pm 0.005$	

