

ELECTRICAL SPECIFICATIONS:

DESIGNED FOR OPERATION FROM -40 TO 85 degrees 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 $\pm$ 2%
(P4-P5) : (J3-J6) : 1CT : 1CT $\pm$ 2%
(P7-P8) : (J4-J5) : 1CT : 1CT $\pm$ 2%
(P9-P10) : (J7-J8) : 1CT : 1CT $\pm$ 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.

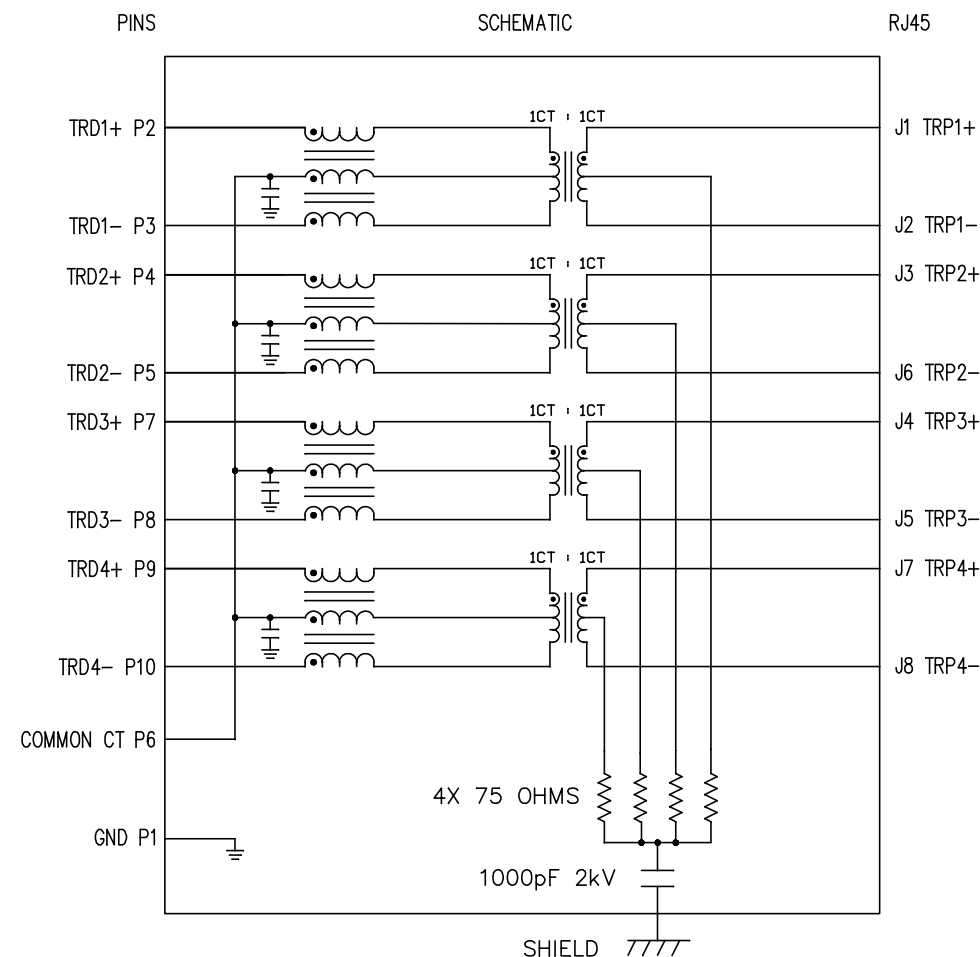
5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4
1MHz TO 30MHz : -35dB MIN.
30MHz TO 80MHz : -24dB MIN.
80MHz TO 100MHz : -25dB MIN.

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) : 1500 Vrms
(J3, J6) TO (P4, P5) : 1500 Vrms
(J4, J5) TO (P7, P8) : 1500 Vrms
(J7, J8) TO (P9, P10) : 1500 Vrms

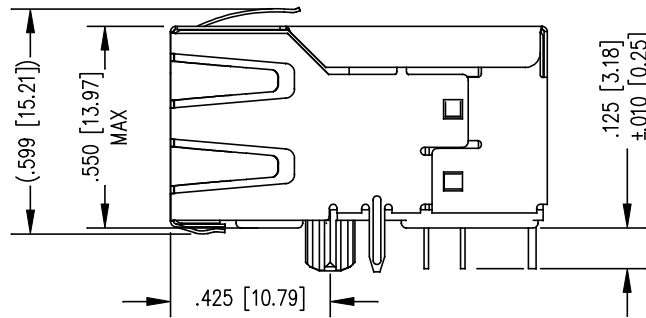
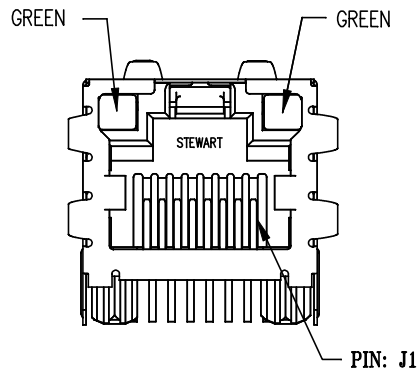
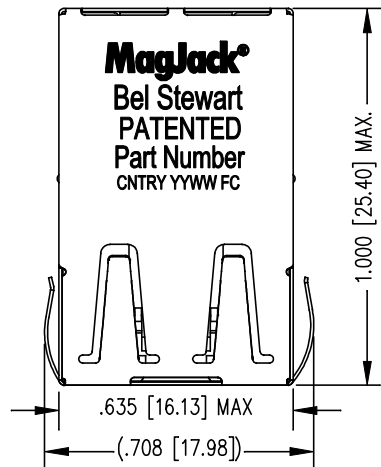
9.0 THIS COMPONENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : 02
Zeng Xiao Chun	03-21-2011	MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	SI-51021-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 2
Zhang Ru Sheng	03-21-2011			.XXX	±0.005		

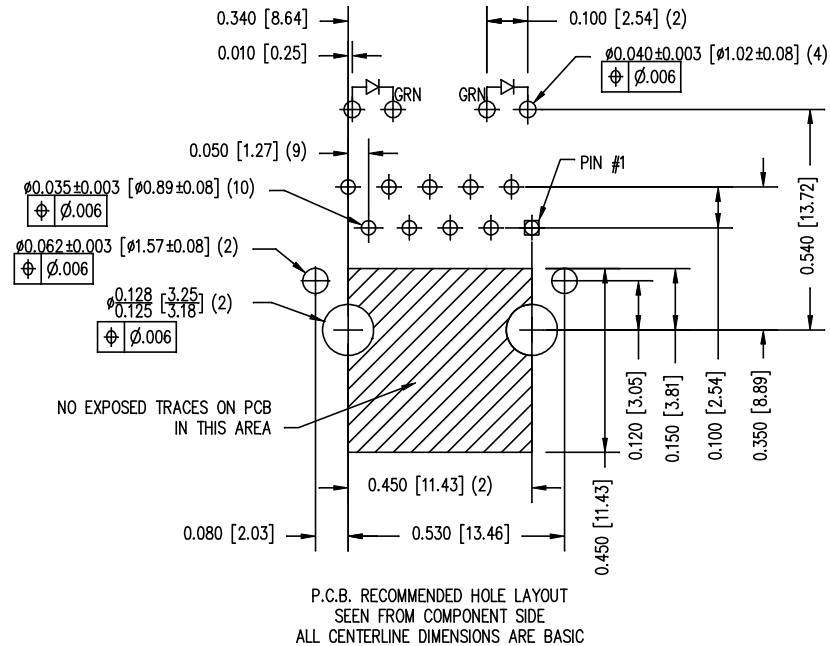
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RoHS
2002/95/EC



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)



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 ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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Zeng Xiao Chun	03-21-2011
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Zhang Ru Sheng	03-21-2011

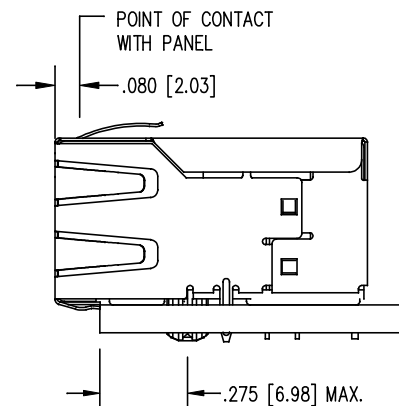
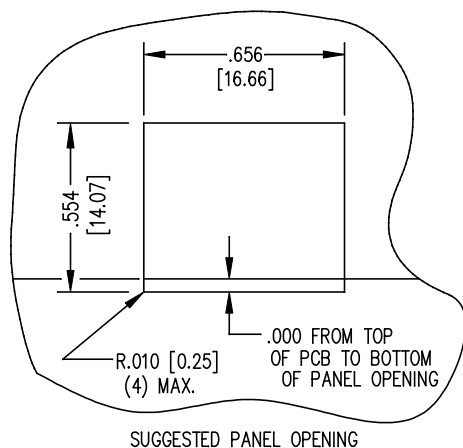
TITLE
MagJack® TAB UP SHIELDED 10/100/100BT PATENTED

PART NO. / DRAWING NO.
SI-51021-F
FILE NAME
SI-51021-F.DWG

STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX
±0.005

[] METRIC DIM. AS REFERENCE	
UNIT : INCH [mm]	REV. : 02
SCALE : N/A	SIZE : A4
	PAGE : 3





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.	[] METRIC DIM. AS REFERENCE		
Zeng Xiao Chun	03-21-2011	MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	SI-51021-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : 02	 COMPONENTS OR A CONNECTED PLANET
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
Zhang Ru Sheng	03-21-2011		SI-51021-F.DWG	.XX .XXX		PAGE : 4	