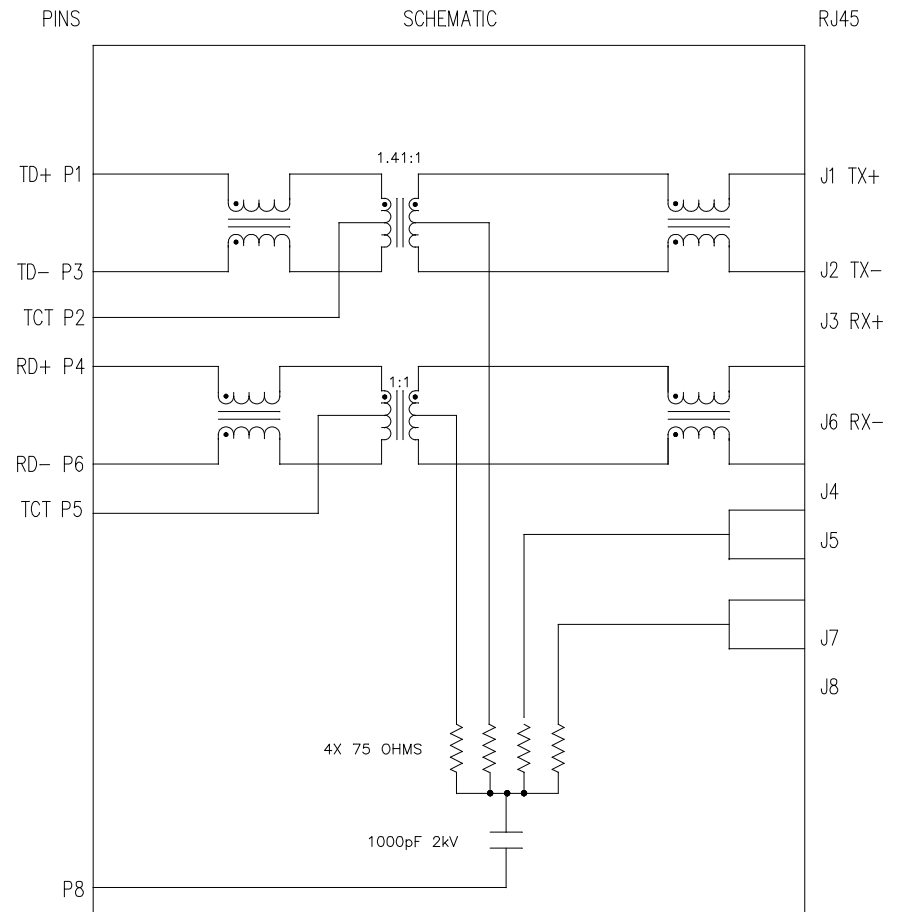


ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3)	: 1CT : 1 ± 3%
(P3-P2-P1) : (J2-J1)	: 1.41CT : 1 ± 3%
2.0 INDUCTANCE: (P6-P4)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P1)	: 696uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT)	: 0.3 MAX. @ 1MHz
P3-P1 (WITH J2 AND J1 SHORT)	: 0.6 MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE: (P6, P5, P4) TO (J6, J3)	: 30pF MAX @ 1MHz
(P3, P2, P1) TO (J2, J1)	: 30pF MAX @ 1MHz
5.0 DC RESISTANCE: (J6-J3)=(J2-J1)	: 1.2 ohms Max.
	RECEIVE
6.0 RETURN LOSS: 1MHz TO 30MHz	: 18dB MIN.
30MHz TO 60MHz	: 12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)	: 1500 Vrms
(J3, J6) TO (P4,P6)	: 1500 Vrms
8.0 INSERTION LOSS: 100KHz TO 100MHz	: 1.1 dB TYP
100KHz TO 10MHz	
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS	: 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak	: 3.0 nS MAX
PULSE WIDTH= 112ns	
10.0CROSS TALK: 1MHz TO 100 MHz	: 30 dB TYP

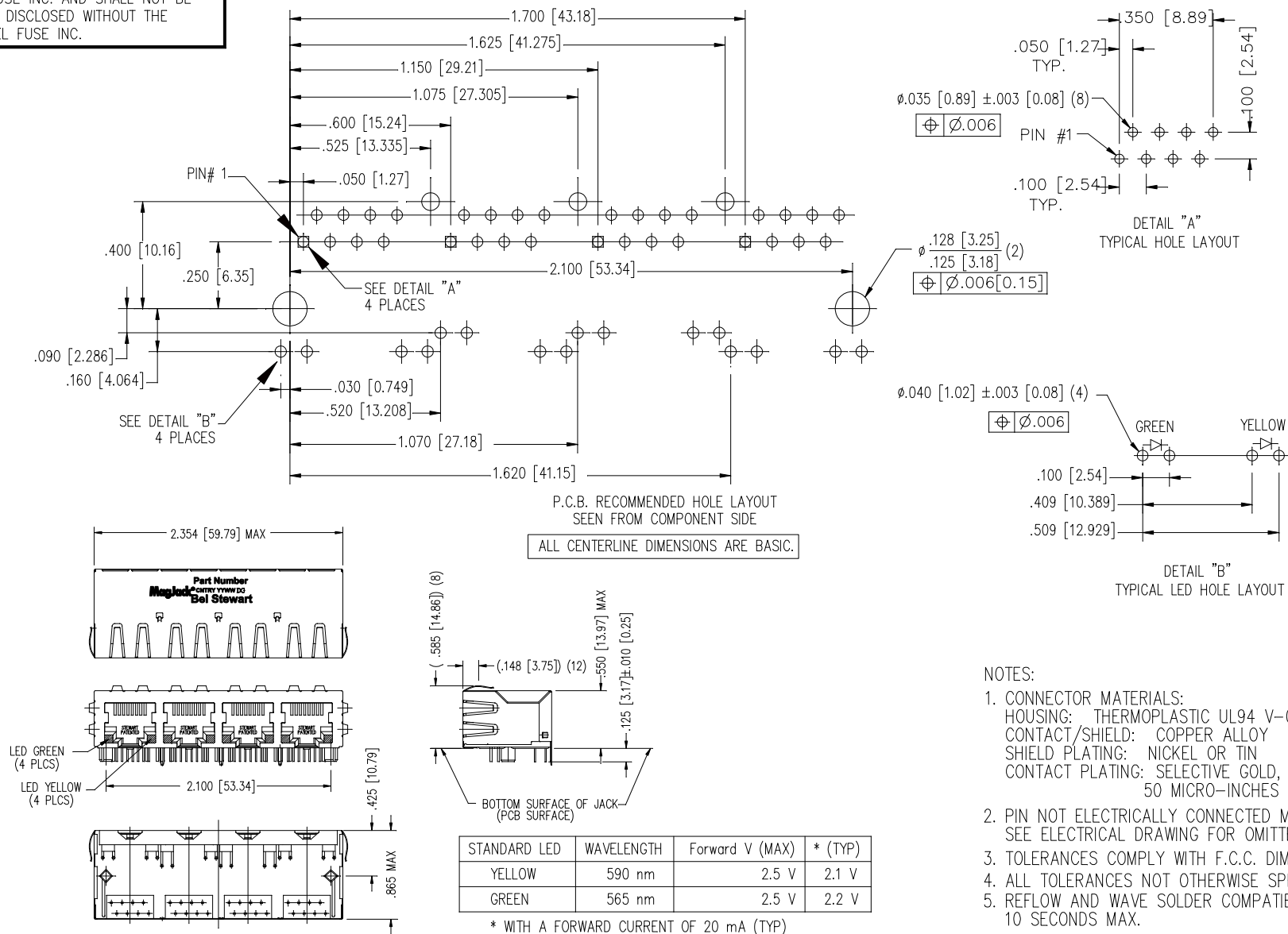


NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

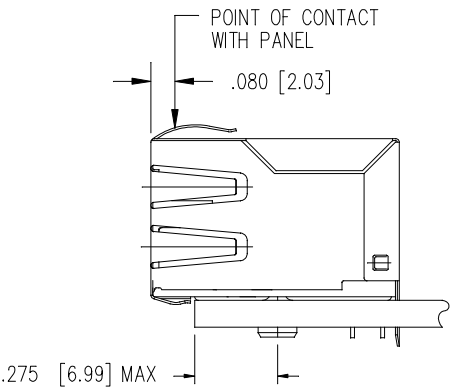
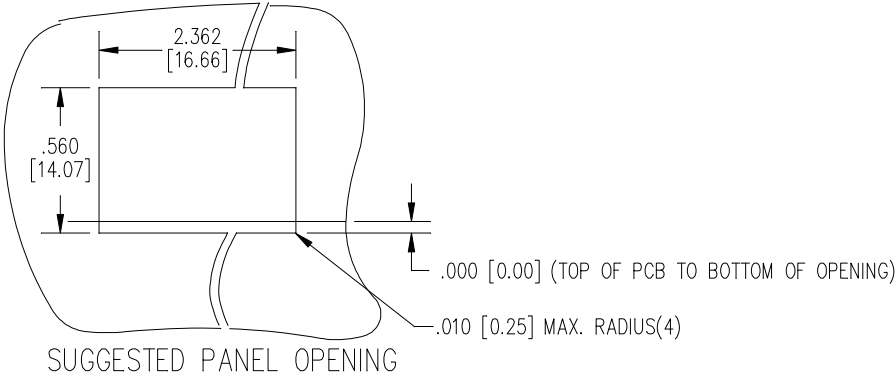
ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
Bain Liu	09-26-08		SI-40255	TOL. IN INCH		UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
LW Yuan	09-26-08		SI-40255.DWG	.XX			PAGE : 1	
			.XXX	±0.005				

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ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
Bain Liu	09-26-08		SI-40255	TOL. IN INCH		UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
LW Yuan	09-26-08		SI-40255.DWG	.XX		PAGE : 2		
				.XXX		±0.005		

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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 ±.005 [0.13]

ORIGINATED BY Bain Liu	DATE 09-26-08	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO. SI-40255	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.005	[] METRIC DIM. AS REFERENCE	
			FILE NAME SI-40255.DWG		UNIT : INCH [mm]	REV. : A0
DRAWN BY LW Yuan	DATE 09-26-08				SCALE : N/A	SIZE : A4
						PAGE : 3

