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ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3) : 1CT : 1CT ± 3%
(P3-P2-P1) : (J2-J1) : 1CT : 1CT ± 3%

2.0 INDUCTANCE: (P5-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P2) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P5-P4 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz
P3-P2 (WITH J2 AND J1 SHORT) : 0.3 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.

6.0 RETURN LOSS: 1MHz TO 30MHz : 18dB MIN.
60MHz TO 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

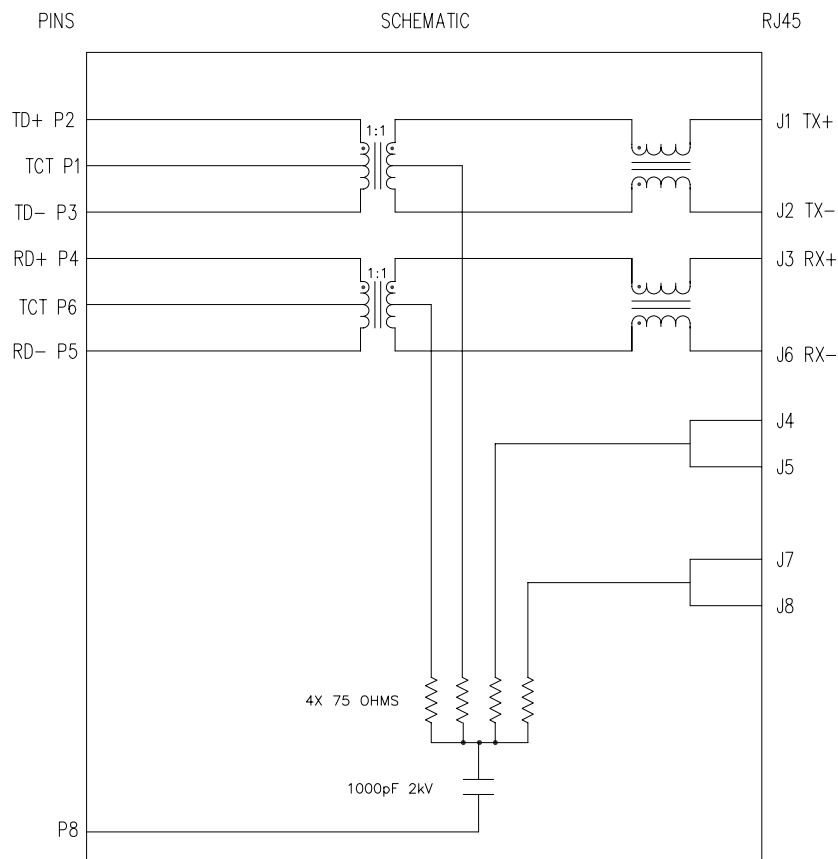
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P2, P3) : 1500 Vrms
(J3, J6) TO (P4,P5) : 1500 Vrms

8.0 INSERTION LOSS: RS=RL=100 ohms : 1.1 dB TYP
100KHz TO 100MHz

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

10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

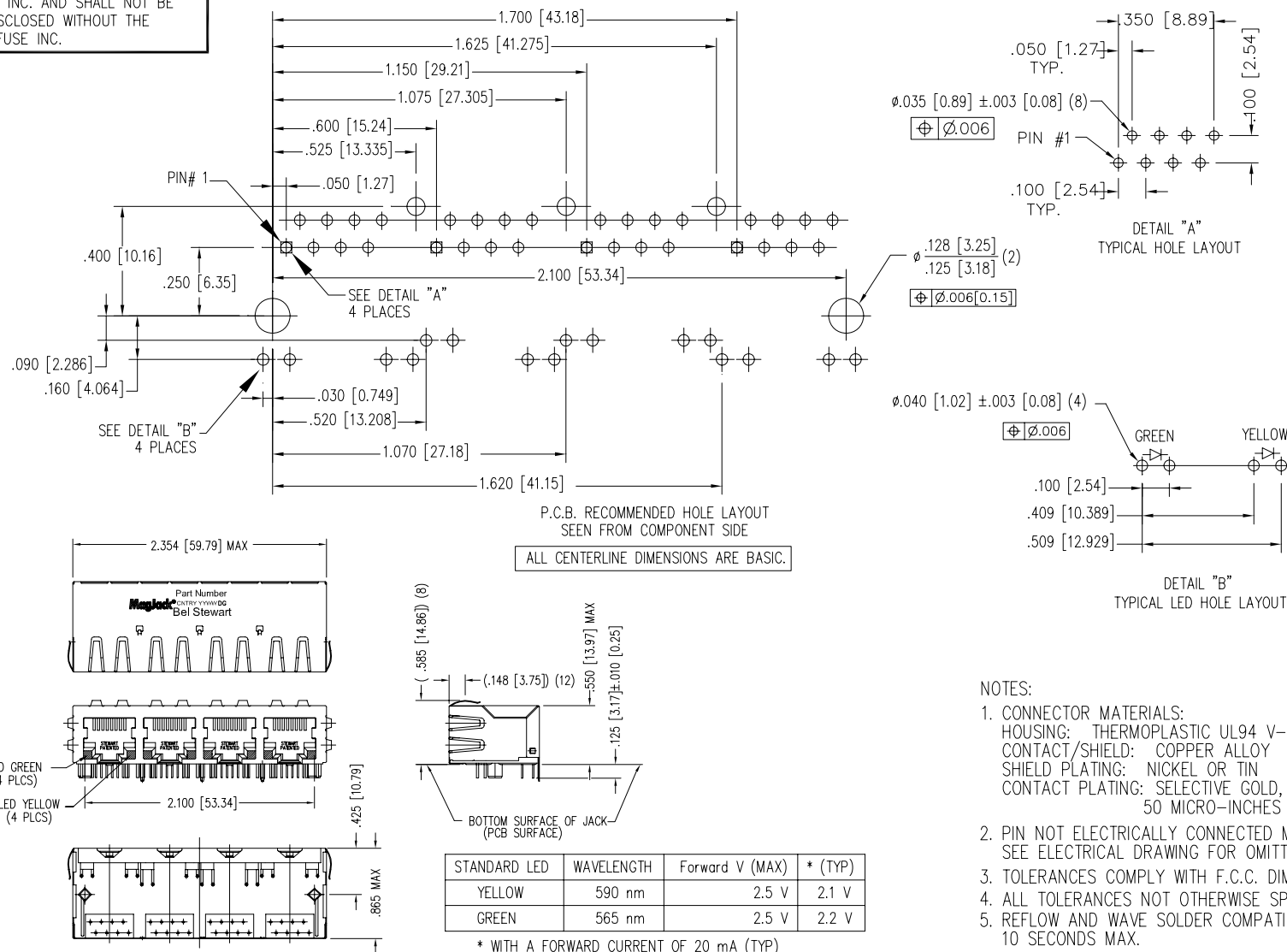


NOTES

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 OR CONNECTED PLANET	
Bain Liu	09-27-08		SI-40274	TOL. IN INCH		UNIT : INCH [mm]			REV. : A0
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A			SIZE : A4
LW Yuan	09-27-08		SI-40274.DWG	.XX		PAGE : 1			
				.XXX					

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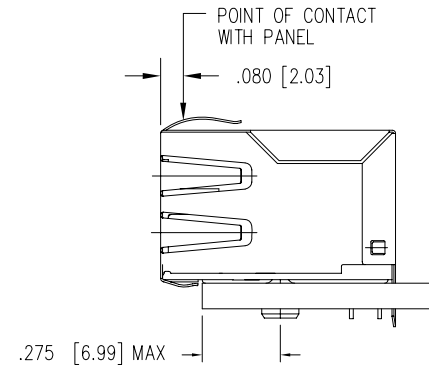
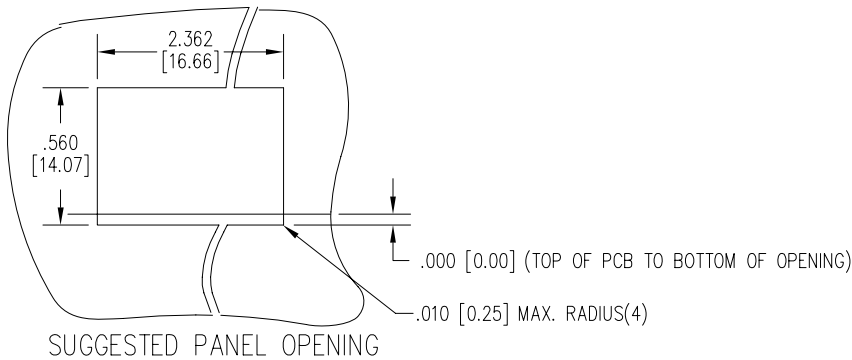


NOTES:

- 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.

ORIGINATED BY Bain Liu	DATE 09-27-08	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO. SI-40274	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE		
					UNIT : INCH [mm]	REV. : A0	
DRAWN BY LW Yuan	DATE 09-27-08		FILE NAME SI-40274.DWG	±0.005	SCALE : N/A	SIZE : A4	
						PAGE : 2	

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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]

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			.XXX	±0.005		 PAGE : 3		

