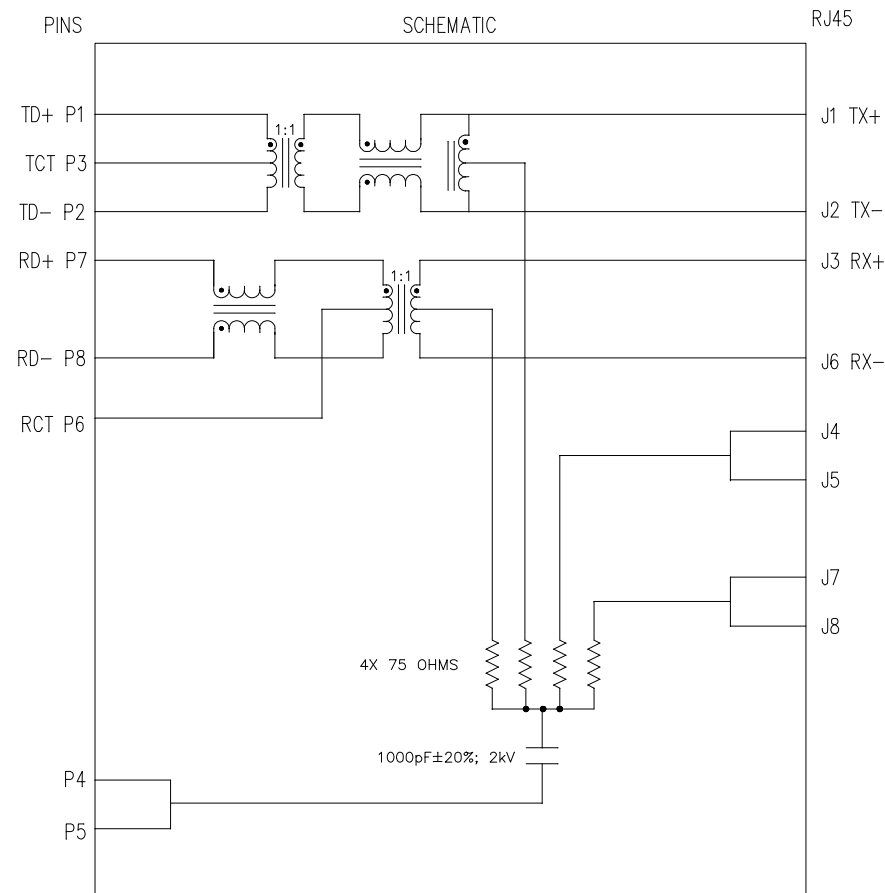


ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO: (P8-P6-P7) : (J6-J3)	: 1CT : 1 ± 3%
(P2-P3-P1) : (J2-J1)	: 1CT : 1 ± 3%
2.0 INDUCTANCE: (P7-P8)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P1-P2)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE: P8-P7 (WITH J6 AND J3 SHORT)	: 0.3 MAX. @ 1MHz
P2-P1 (WITH J2 AND J1 SHORT)	: 0.3 MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE: (P8,P6,P7) TO (J6,J3)	: 30pF MAX @ 1MHz
(P3,P2,P1) TO (J2,J1)	: 30pF MAX. @ 1MHz
5.0 DC RESISTANCE: (J1-J2)	: 1.2 ohms Max.
(P8-P7)	: 1.2 ohms Max.
<u>RECEIVE</u>	
6.0 RETURN LOSS: 1MHz TO 30MHz	: -18dB MIN.
30MHz TO 60MHz	: -(19-20 LOG (f/30MHz))
60MHz TO 80MHz	: -12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)	: 1500 Vrms
(J3, J6) TO (P8,P7)	: 1500 Vrms
8.0 INSERTION LOSS: RS=RL=100 ohms	
1MHz TO 65MHz	: -1.0 dB MAX
65MHz TO 100MHz	: -1.1 dB MAX
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS	
OUTPUT VOLTAGE = 1 V peak	: 3.0 nS MAX
PULSE WIDTH= 112nS	: 3.0 nS MAX
10.0 CROSS TALK: 1MHz TO 100MHz	: -35 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION:	
1MHz TO 100MHz	: -45dB TYP
100MHz TO 200MHz	: -20dB MIN



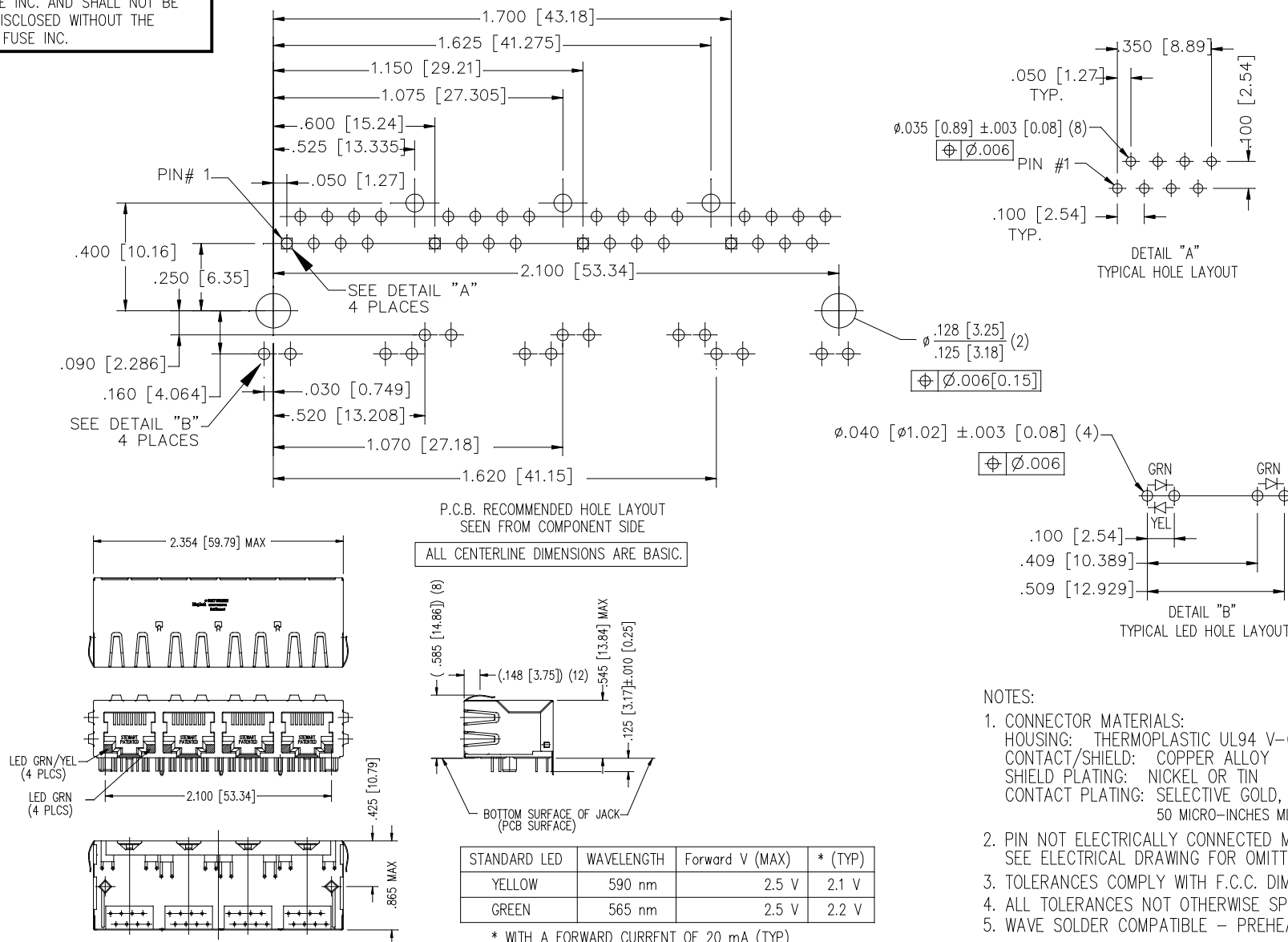
NOTES

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
- 2.0 ALL RESISTORS ARE ±5% TOLERANCE.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
Bain Liu	09-27-08	MagJack® 10/100BT TAB DOWN, SHIELDED	SI-60129-F	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-60129-F.DWG	.XX		PAGE : 1	
				.XXX	±0.005		

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RoHS
2002/95/EC



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]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

ORIGINATED BY
Bain Liu

DATE
09-27-08

DRAWN BY
LW Yuan

DATE
09-27-08

TITLE

MagJack®

10/100BT
TAB DOWN, SHIELDED

PART NO. / DRAWING NO.
SI-60129-F

FILE NAME
SI-60129-F.DWG

STANDARD DIM.
TOL. IN INCH

.X	
.XX	
.XXX	± 0.005

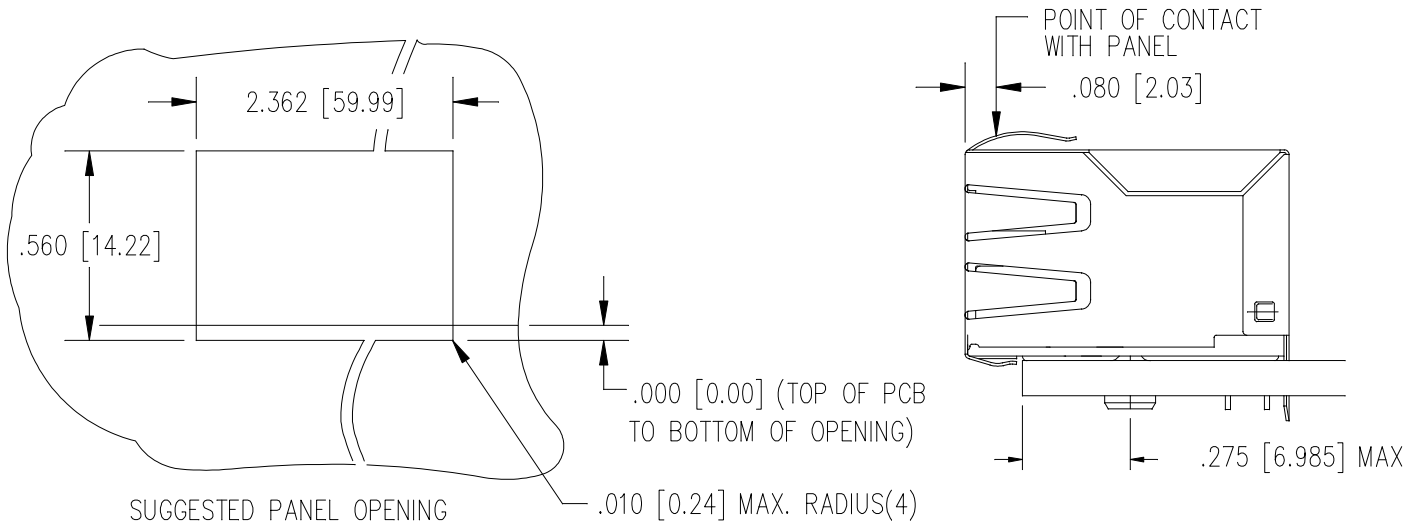
[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]	REV. : A0
SCALE : N/A	SIZE : A4
PAGE : 2	

bel

COMPONENTS FOR A
CONNECTED
PLANET

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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 Bain Liu	DATE 09-27-08	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO. SI-60129-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE	
			FILE NAME SI-60129-F.DWG		UNIT : INCH [mm]	REV. : A0
DRAWN BY LW Yuan	DATE 09-27-08				SCALE : N/A	SIZE : A4
						PAGE : 3