

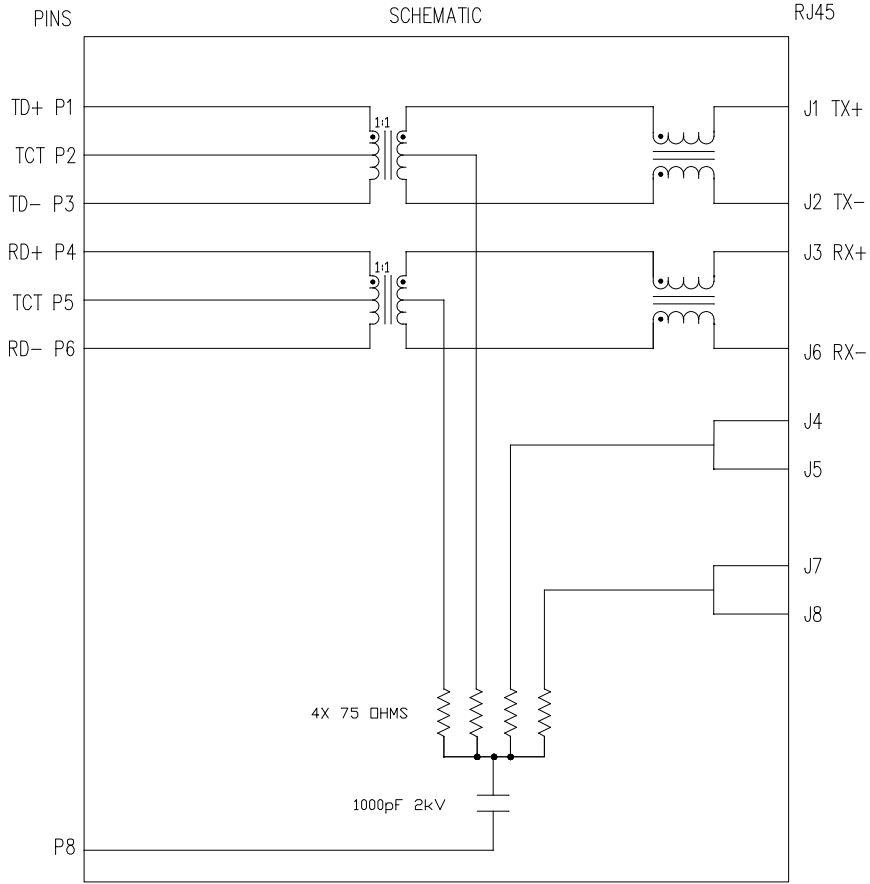
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ELECTRICAL CHARACTERISTICS @ 25°C

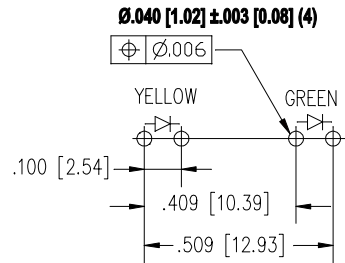
1.0	Turns Ratio: (P6-P5-P4) : (J6-J3)	: 1CT : 1CT± 3%
	(P3-P2-P1) : (J2-J1)	: 1CT : 1CT ± 3%
2.0	Inductance: (P6-P4)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P3-P1)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0	Leakage Inductance: P6-P4 (WITH J6 AND J3 SHORT)	: 0.3uH MAX. @ 1MHz
	P3-P1 (WITH J2 AND J1 SHORT)	: 0.3uH 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 (P1, P3)	: 1500 Vrms
	(J3, J6) TO (P4,P6)	: 1500 Vrms
8.0	Insertion Loss: RS=RL=100 ohms	
	100KHz TO 100MHz	: 1.1 dB TYP
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	: 40 dB TYP
11.0	Common to Common Mode Attenuation: 30MHz TO 100MHz:	35dB TYP



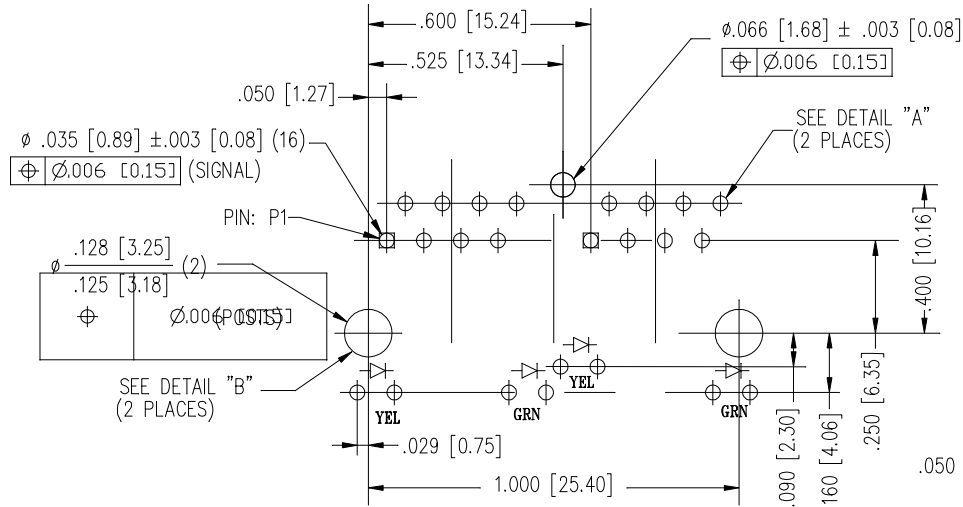
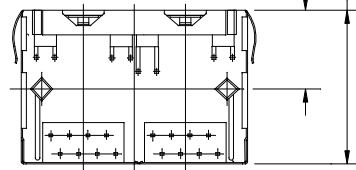
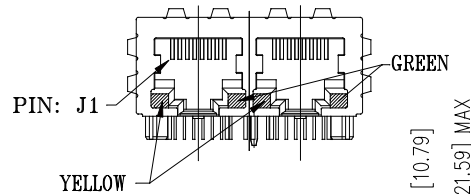
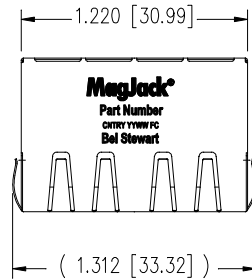
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Bain Liu	03-02-09	 10/100BT TAB DOWN, SHIELDED	SI-60083-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
LW Yuan	03-02-09		SI-60083-F.DWG	.XX		PAGE : 2	
				.XXX	±0.005		

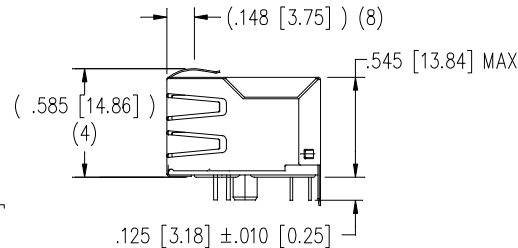


DETAIL "B"
TYPICAL LED HOLE LAYOUT



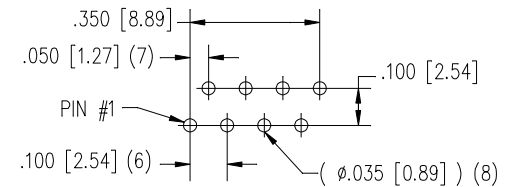
P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.



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

*WITH A FORWARD CURRENT OF 20 mA (TYP)



DETAIL "A"
TYPICAL RJ45 HOLE LAYOUT

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 ±.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.

ORIGINATED BY	DATE
Bain Liu	03-02-09
DRAWN BY	DATE
LW Yuan	03-02-09

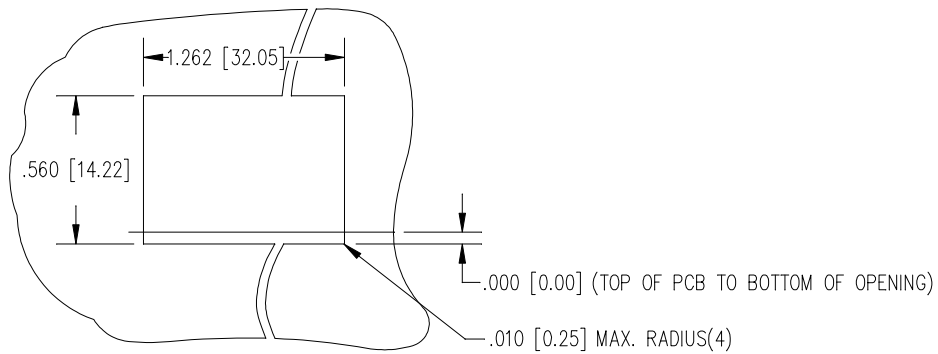
TITLE
MagJack® 10/100BT TAB DOWN, SHIELDED

PART NO. / DRAWING NO.
SI-60083-F
FILE NAME
SI-60083-F.DWG

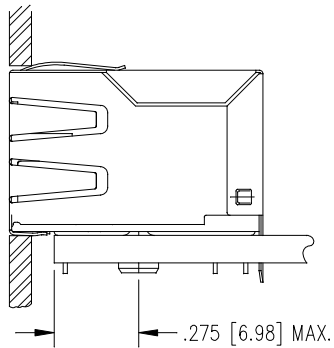
STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.005
	REV. : A0
	SIZE : A4
	PAGE : 3

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SUGGESTED PANEL OPENING



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	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A0
Bain Liu	03-02-09	MagJack® 10/100BT TAB DOWN, SHIELDED	SI-60083-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 4
LW Yuan	03-02-09		SI-60083-F.DWG	.XXX	± 0.005		