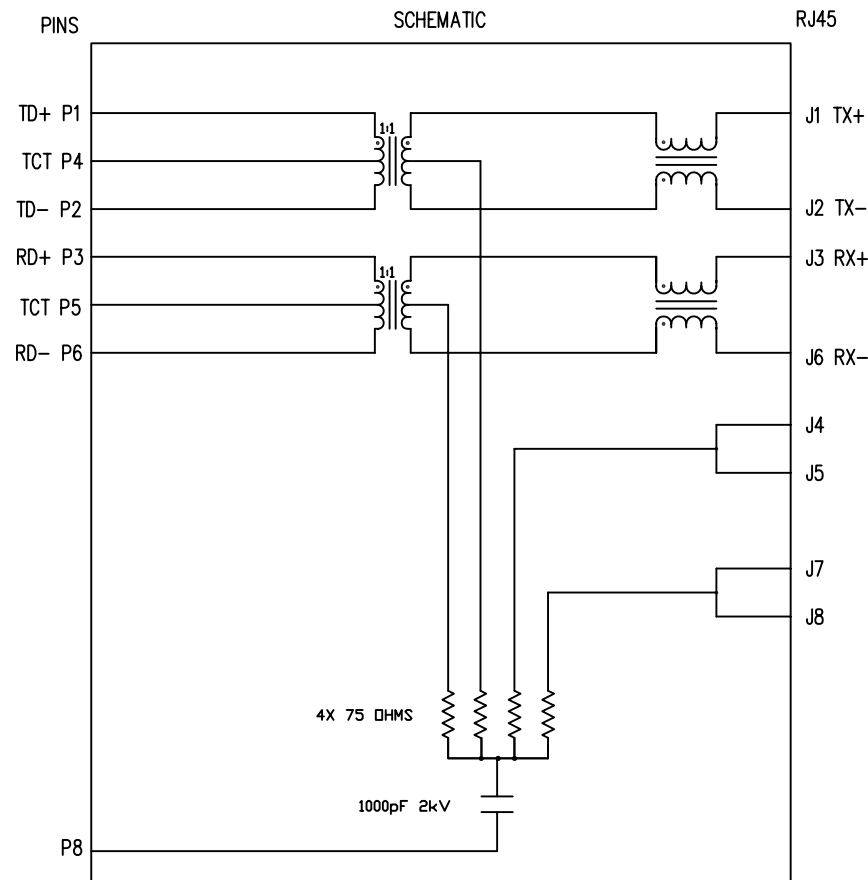


ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO: (P3-P5-P6) : (J3-J6)	: 1CT : 1CT± 3%
(P1-P4-P2) : (J1-J2)	: 1CT : 1CT ± 3%
2.0 INDUCTANCE: (P1-P2)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P6)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT)	: 0.3 MAX. @ 1MHz
P2-P1 (WITH J2 AND J1 SHORT)	: 0.3 MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE: (P6,P5,P3) TO (J6,J3)	: 30pf MAX @ 1MHz
(P2,P4,P1) TO (J2,J1)	: 30pf MAX. @ 1MHZ
5.0 DC RESISTANCE: (J6-J3)=(J2-J1)	: 1.2 ohms Max.
<u>RECEIVE</u>	
6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF.	
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, P2)	: 1500 Vrms
(J3, J6) TO (P3, 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
12.0 OPERATING TEMPERATURE	: 0°C TO 70°C



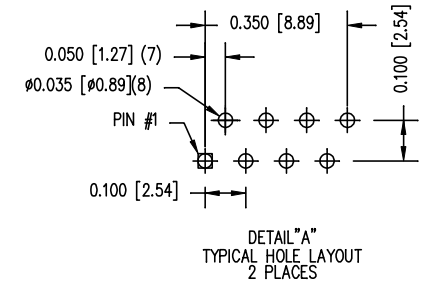
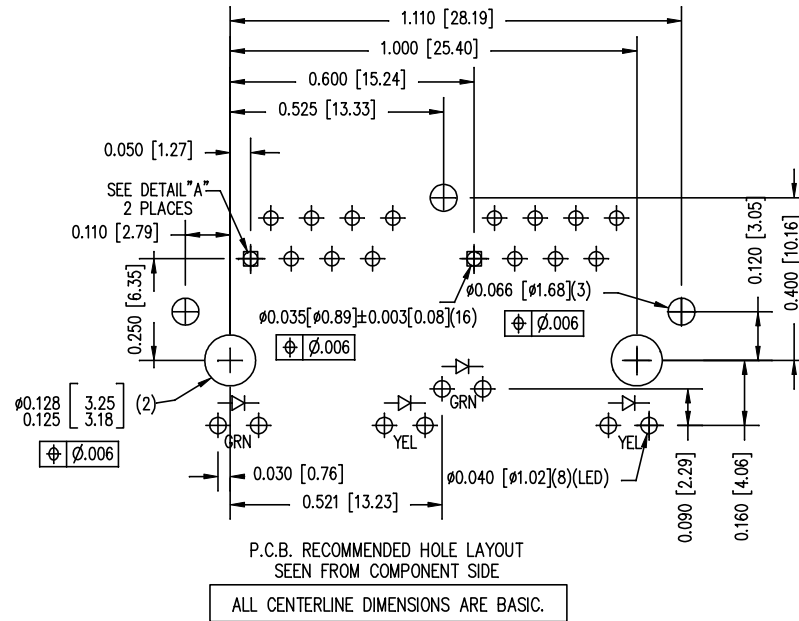
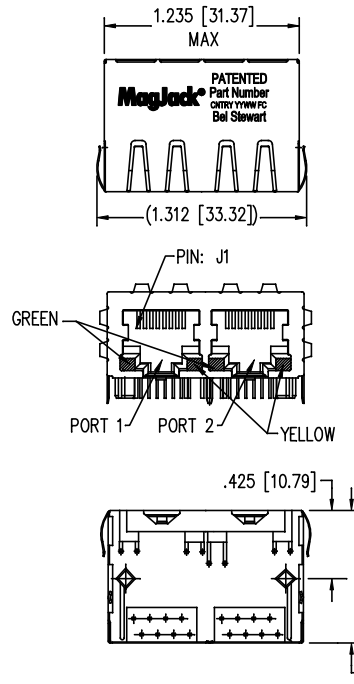
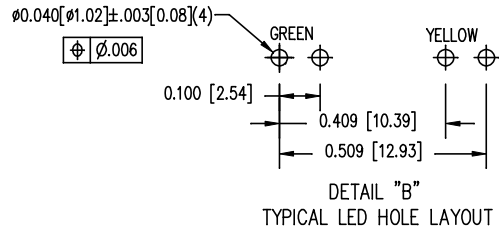
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
X.B Wei	05-24-10	MagJack® 10/100BT TAB DOWN,SHIELDED PATENTED	SI-60159-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A2	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
RS Zhang	05-24-10		SI-60159-F.DWG	.XX		PAGE : 2	
				.XXX	±0.005		

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

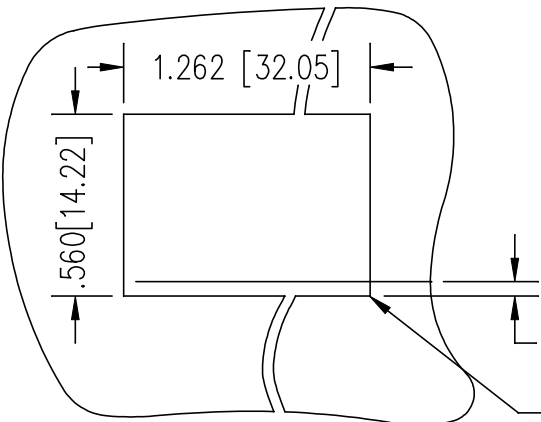
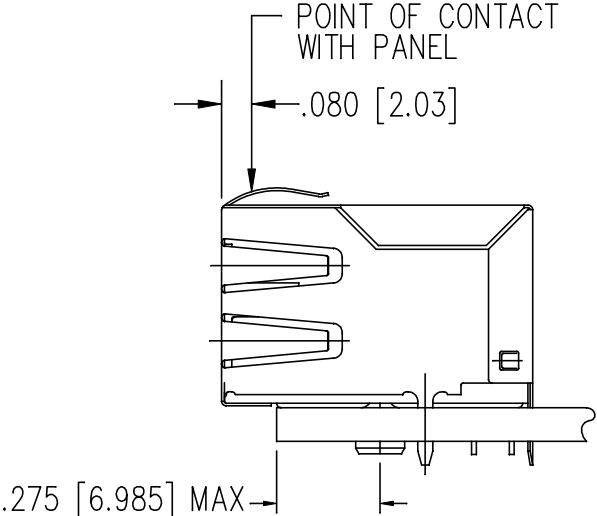
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)

ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO. SI-60159-F FILE NAME SI-60159-F.DWG	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.005	[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
X.B Wei	05-24-10				UNIT : INCH [mm]	REV. : A2	
DRAWN BY	DATE				SCALE : N/A	SIZE : A4	
RS Zhang	05-24-10					PAGE : 3	

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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]

.000 (TOP OF PCB TO BOTTOM OF OPENING)

.010 [.254] MAX. RADIUS(4)

SUGGESTED PANEL OPENING

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A2
X.B Wei	05-24-10	MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	SI-60159-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 4
RS Zhang	05-24-10		SI-60159-F.DWG	.XXX	±0.005		