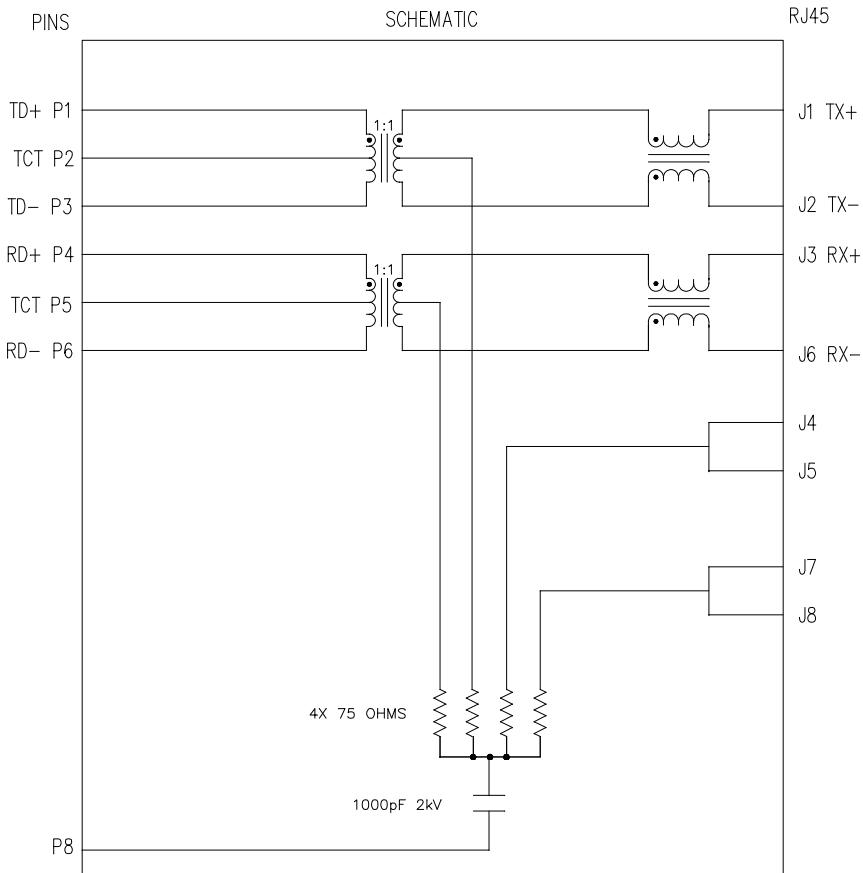


THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.



ELECTRICAL CHARACTERISTICS @ 25°C

1.0	TURNs RATIO: (P6-P5-P4) : (J6-J3)	: 1CT : 1CT \pm 3%
	(P3-P2-P1) : (J2-J1)	: 1CT : 1CT \pm 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	: 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: 30MHz TO 100MHz	: 35dB TYP

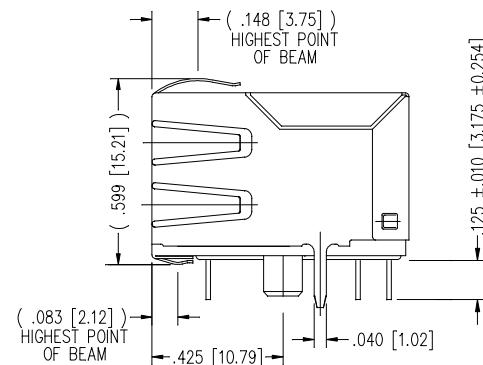
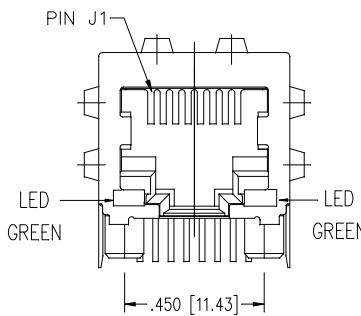
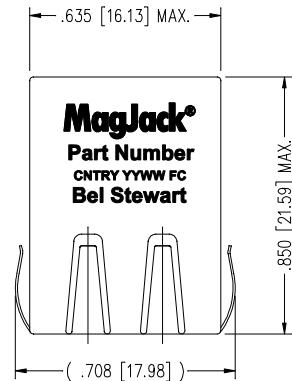


NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

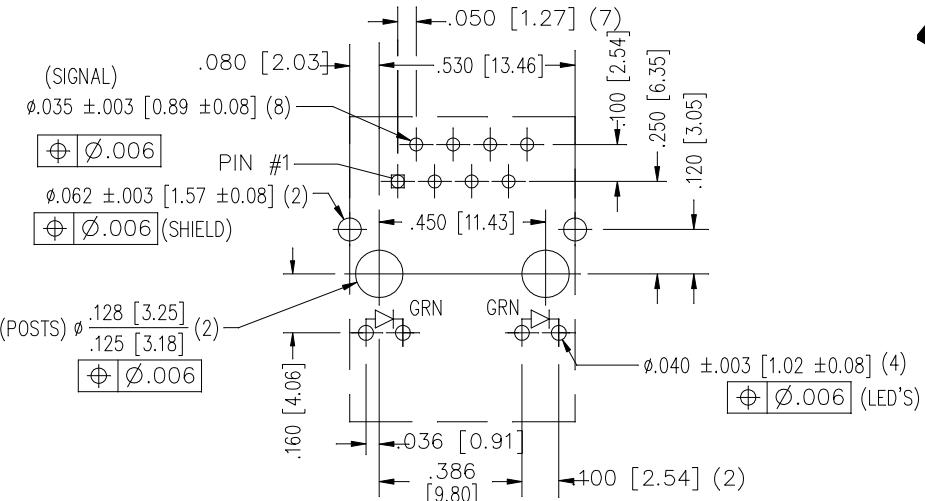
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		bel
DRAWN BY	DATE				UNIT : INCH [mm]	REV. : A	
Bain Liu	12-15-08	10/100BT TAB DOWN, SHIELDED	SI-60001-F	.X			
LW Yuan	12-15-08				.XX		
			FILE NAME	.XXX	N/A	SIZE : A4	
			SI-60001-F.DWG		± 0.005		
						PAGE : 1	

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.



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

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

NOTES:

1. 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.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005 [0.13]$
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.

ORIGINATED BY	DATE	TITLE
Bain Liu	12-15-08	
DRAWN BY	DATE	10/100BT TAB DOWN, SHIELDED
LW Yuan	12-15-08	

MagJack®

10/100BT
TAB DOWN, SHIELDED

PART NO. / DRAWING NO.
SI-60001-F

FILE NAME
SI-60001-F.DWG

STANDARD DIM.
TOL. IN INCH

.X
XX
.XXX $\pm .005$

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

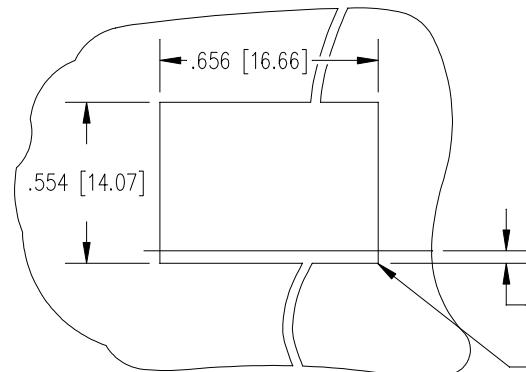
REV. : A

SCALE : N/A

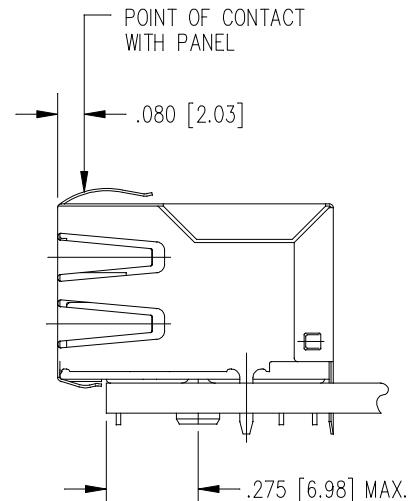
SIZE : A4

PAGE : 2

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.



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 $\pm .005$ [0.13]

ORIGINATED BY	DATE	TITLE	MagJack®	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : A
Bain Liu	12-15-08			SI-60001-F	.X				
DRAWN BY	DATE	10/100BT TAB DOWN, SHIELDED		FILE NAME	.XX		SCALE : N/A	SIZE : A4	PAGE : 3
LW Yuan	12-15-08			SI-60001-F.DWG	.XXX	± 0.005			