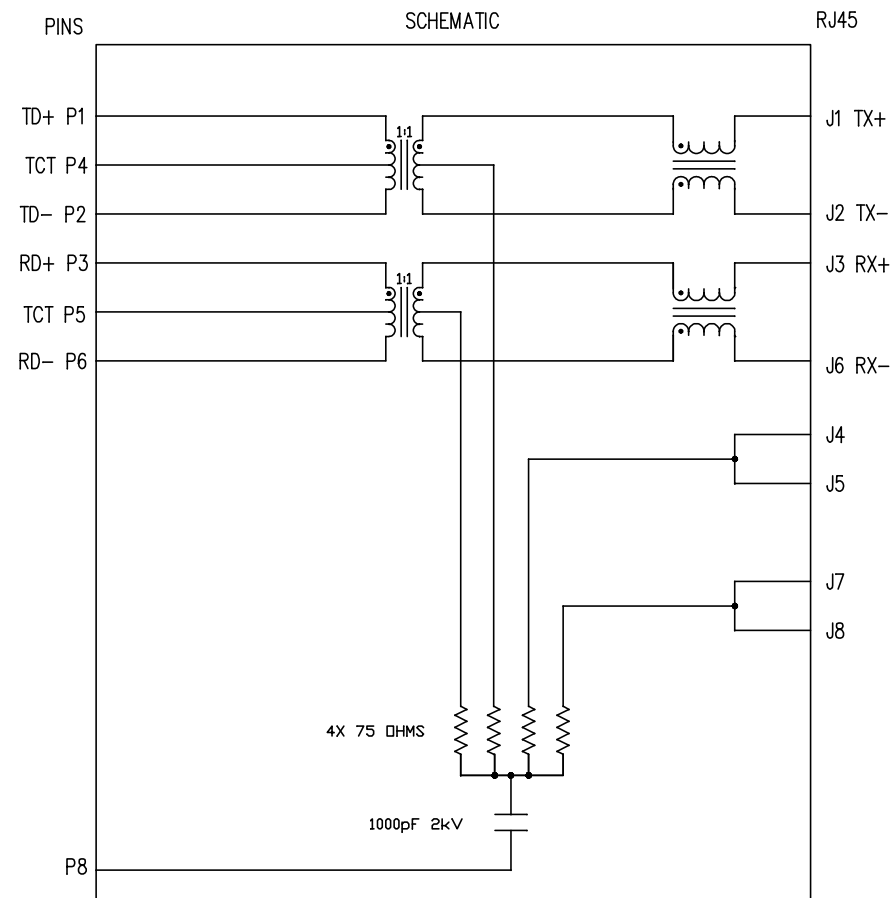


ELECTRICAL CHARACTERISTICS @ 25° C

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)	: 0.3uH MAX. @ 1MHz
	P2-P1 (WITH J2 AND J1 SHORT)	: 0.3uH 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.
RECEIVE		
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



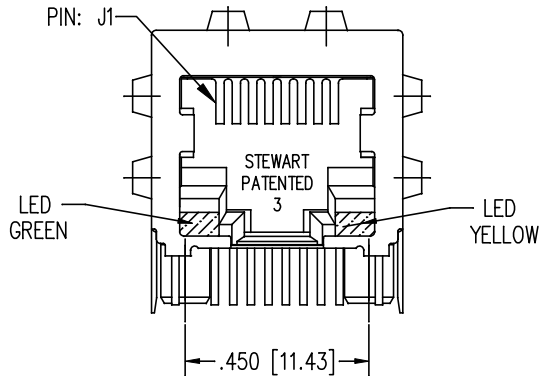
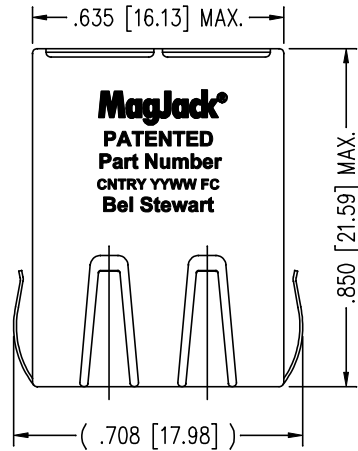
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET™	
Zeng Xiao Chun	07-04-2011		SI-60116-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : A0
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A			SIZE : A4
Zhang Ru Sheng	07-04-2011		SI-60116-F.DWG	.XX					PAGE : 2
				.XXX	±0.005				

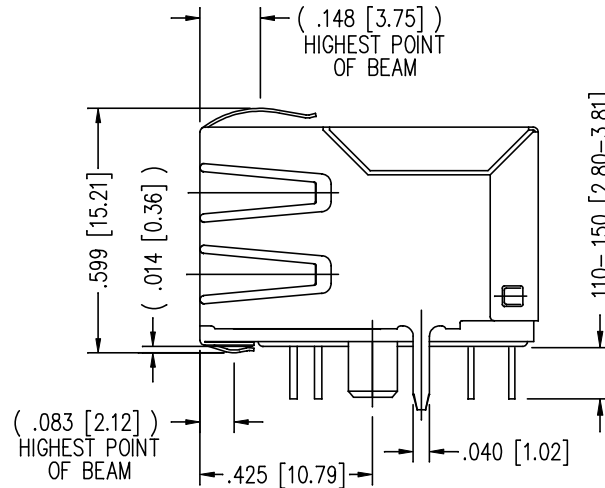
THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

RoHS
2002/95/EC

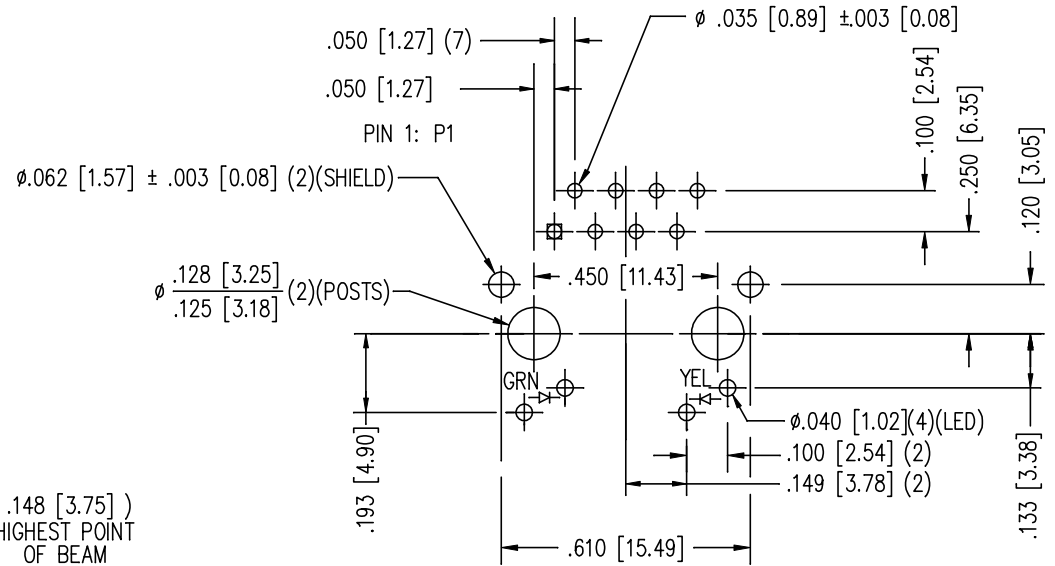
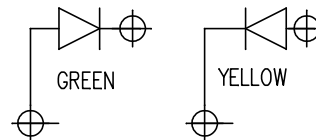


LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



LED POLARITY DETAIL



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC

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	DATE
Zeng Xiao Chun	07-04-2011
DRAWN BY	DATE
Zhang Ru Sheng	07-04-2011

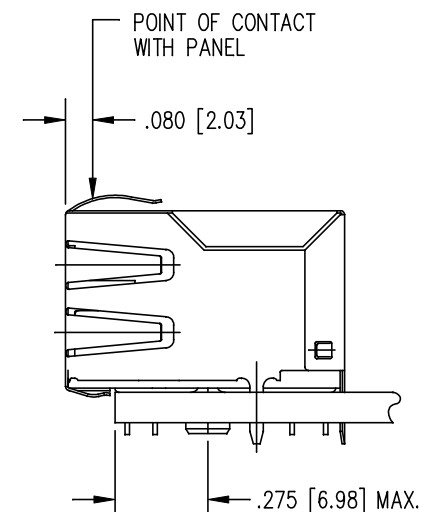
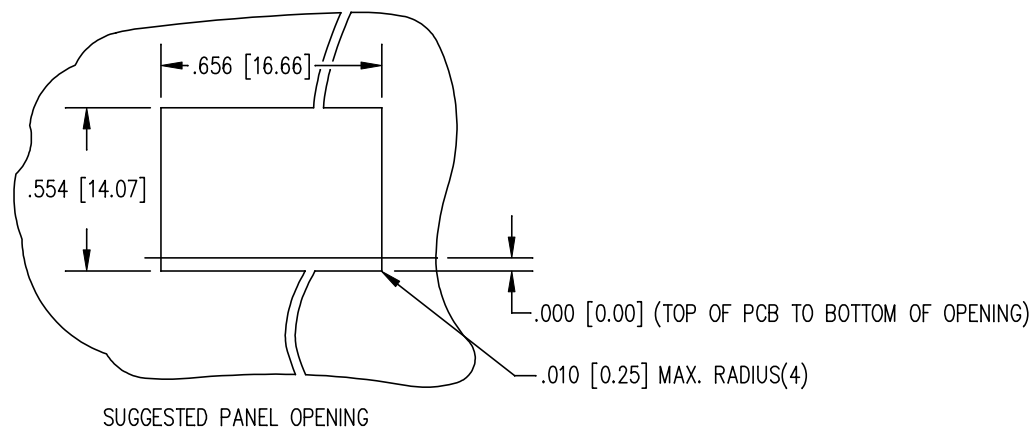
TITLE
MagJack® 10/100BT TAB DOWN SHIELDED PATENTED

PART NO. / DRAWING NO.
SI-60116-F
FILE NAME
SI-60116-F.DWG

STANDARD DIM. TOL. IN INCH
.X
.XX
.XXX
±0.005

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : A0
SIZE : A4
PAGE : 3





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	
Zeng Xiao Chun	07-04-2011	MagJack® 10/100BT TAB DOWN SHIELDED PATENTED	SI-60116-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Zhang Ru Sheng	07-04-2011		SI-60116-F.DWG	.XX		PAGE : 4
				.XXX		