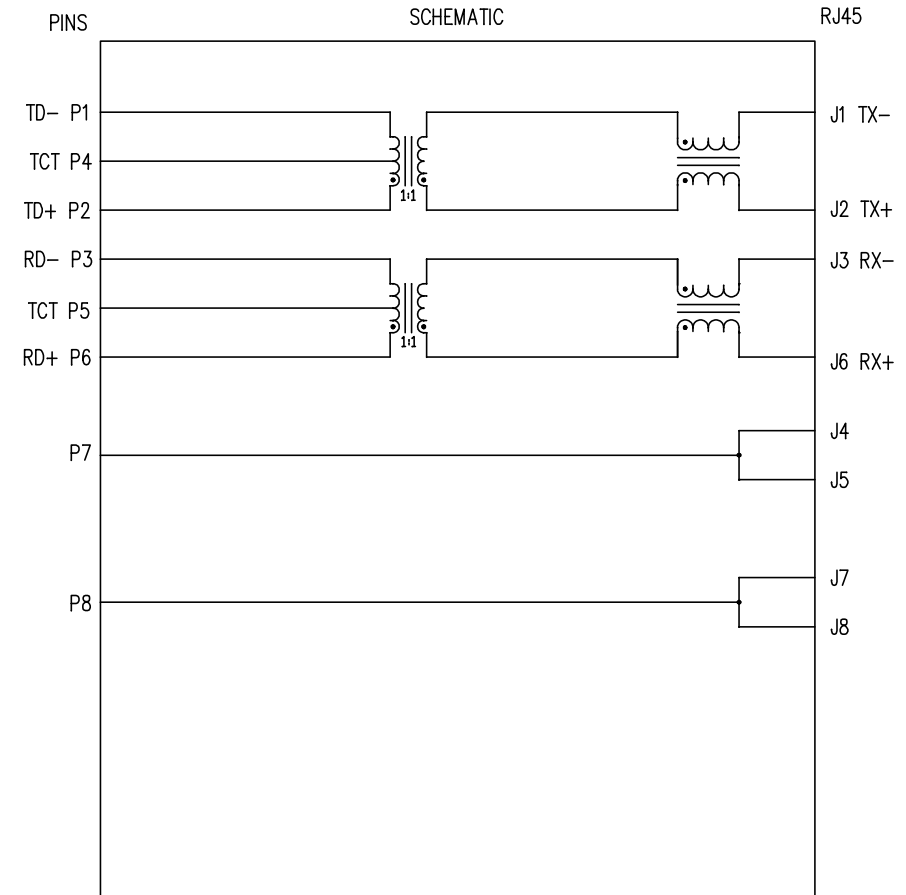


ELECTRICAL SPECIFICATIONS:

1.0	Turns Ratio: (P3-P5-P6) : (J3-J6)	: 1CT : 1CT $\pm$ 3%
	(P1-P4-P2) : (J1-J2)	: 1CT : 1CT $\pm$ 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.
		<u>RECEIVE</u>
6.0	Return Loss: (P6-P3)=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 VAC
	(J3, J6) TO (P3,P6)	: 1500 VAC
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



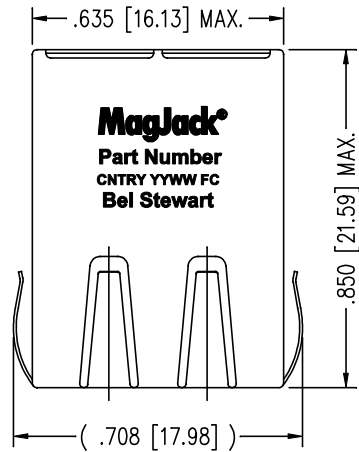
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

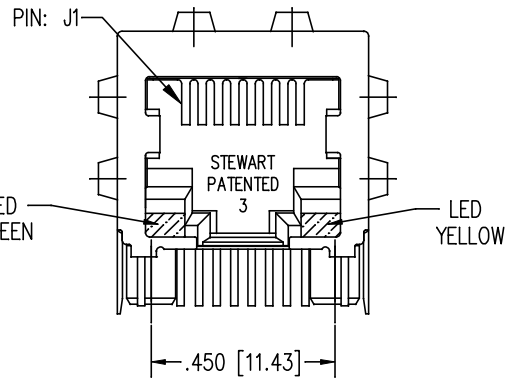
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiao Chun	07-04-2011	MagJack® 10/100BT TAB DOWN,SHIELDED	SI-60107-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Zhang Ru Sheng	07-04-2011		SI-60107-F.DWG	.XX		PAGE : 2
				.XXX		

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

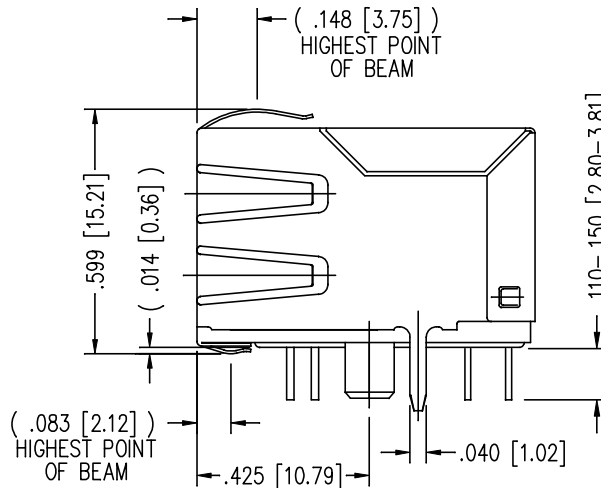


MagJack®
Part Number
CNTRY YYWW FC
Bel Stewart

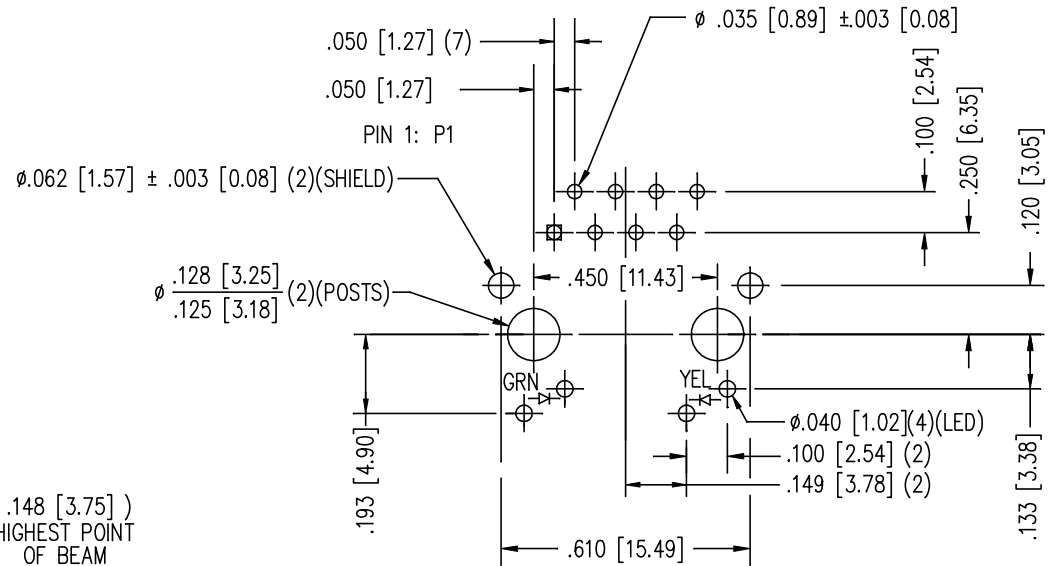
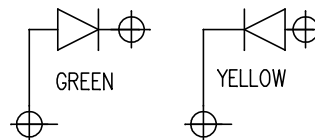


LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*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

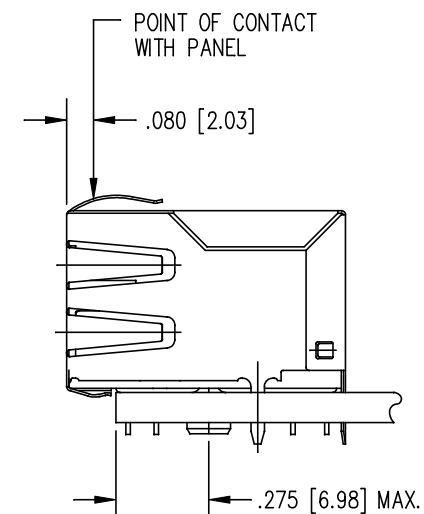
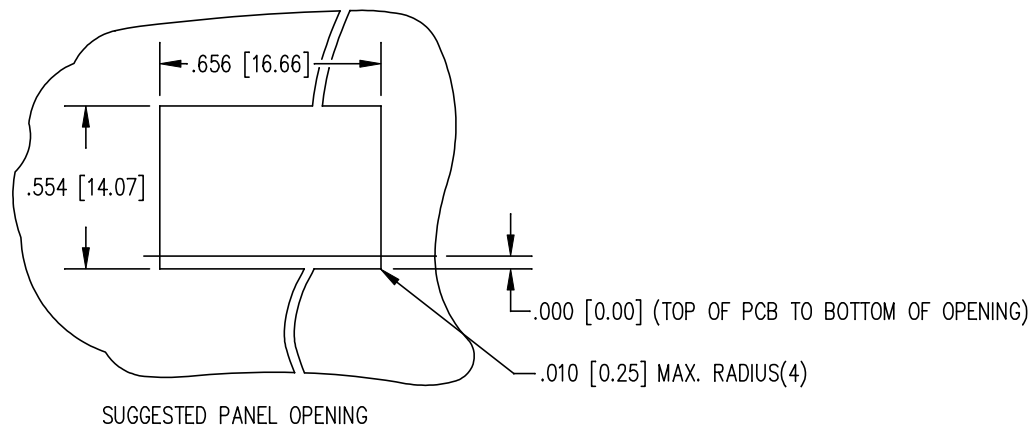
PART NO. / DRAWING NO.
SI-60107-F
FILE NAME
SI-60107-F.DWG

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 : 3

bel
COMPONENTS ON A
CONNECTED
PLANET

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.



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  10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiao Chun	07-04-2011		SI-60107-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-60107-F.DWG	.XX		PAGE : 4
				.XXX		

