



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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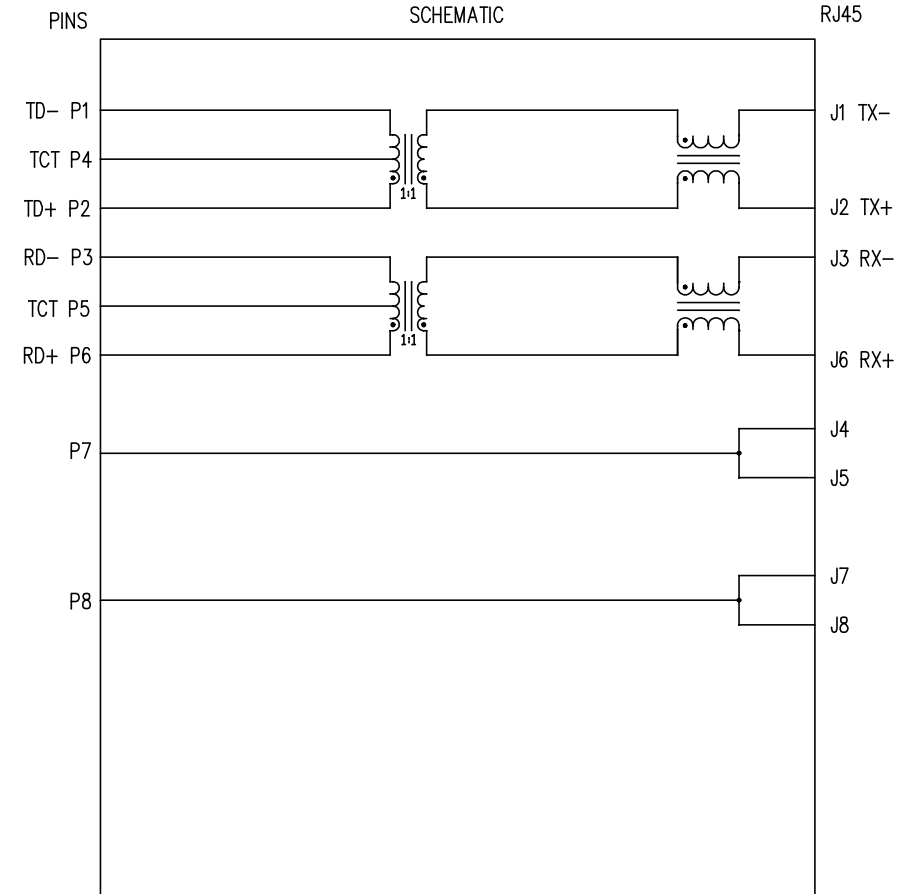
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





ELECTRICAL SPECIFICATIONS:

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.
<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



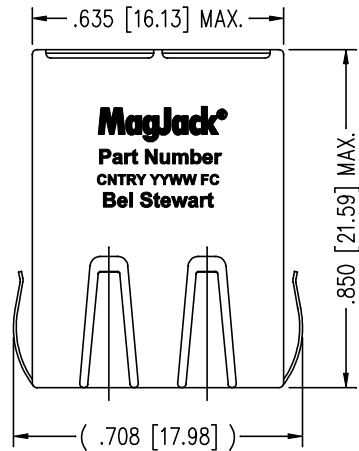
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

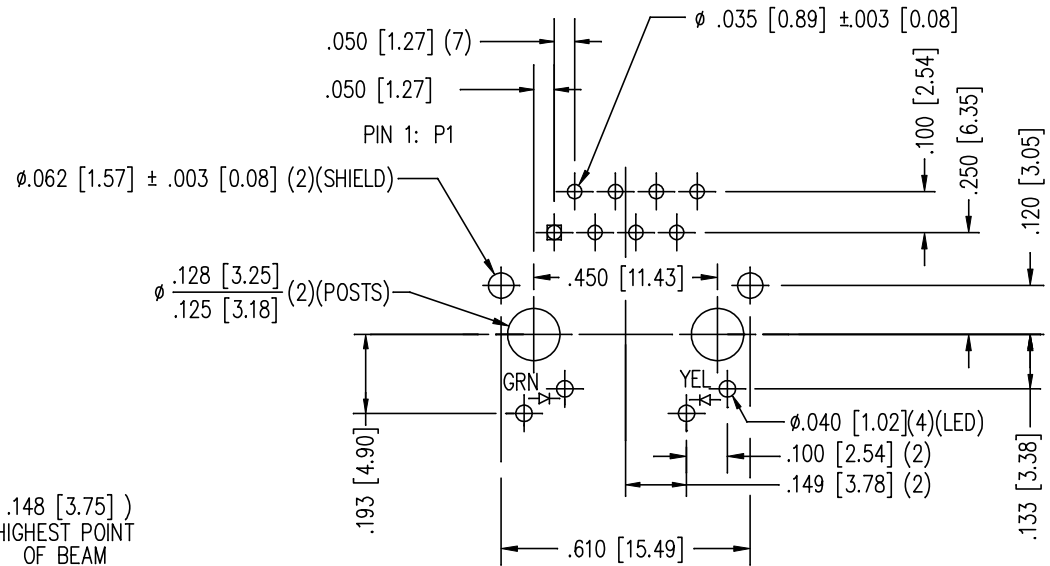
ORIGINATED BY	DATE	TITLE <div>MagJack®</div> <div>10/100BT</div> <div>TAB DOWN,SHIELDED</div>	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE		<div>bel</div> <div>COMPONENTS FOR A CONNECTED PLANET</div>	
Zeng Xiao Chun	07-04-2011		SI-60107-F	TOL. IN INCH		UNIT : INCH [mm]			REV. :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

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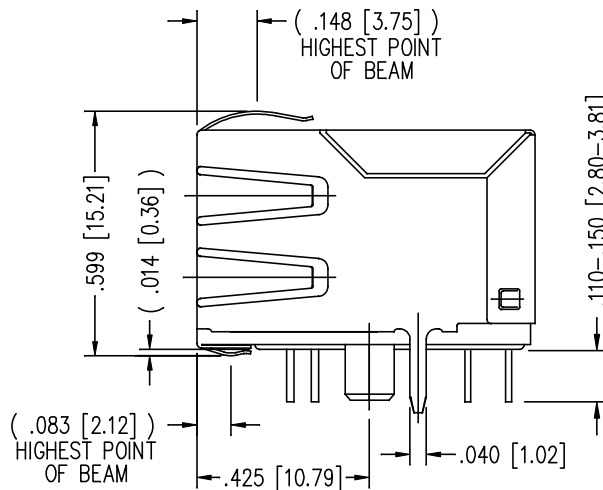
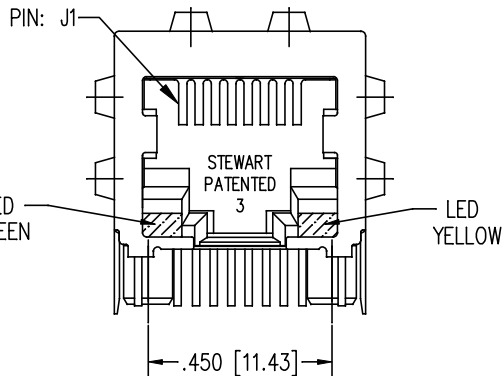
RoHS  
2002/95/EC



**MagJack®**  
Part Number  
CNTRY YYWW FC  
Bel Stewart



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



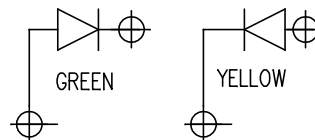
#### NOTES:

- 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  $\pm 0.005$  [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE  $-260^{\circ}\text{C}$  FOR  
10 SECONDS MAX.

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



ORIGINATED BY	DATE
Zeng Xiao Chun	07-04-2011
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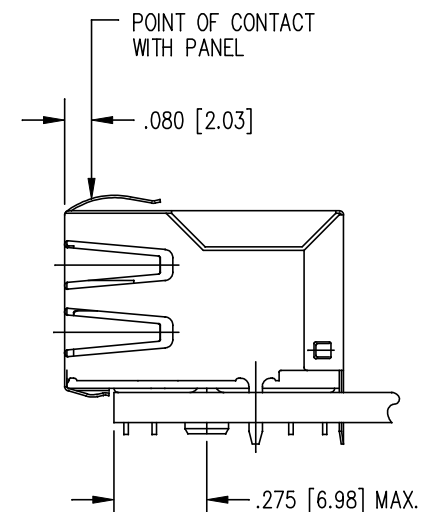
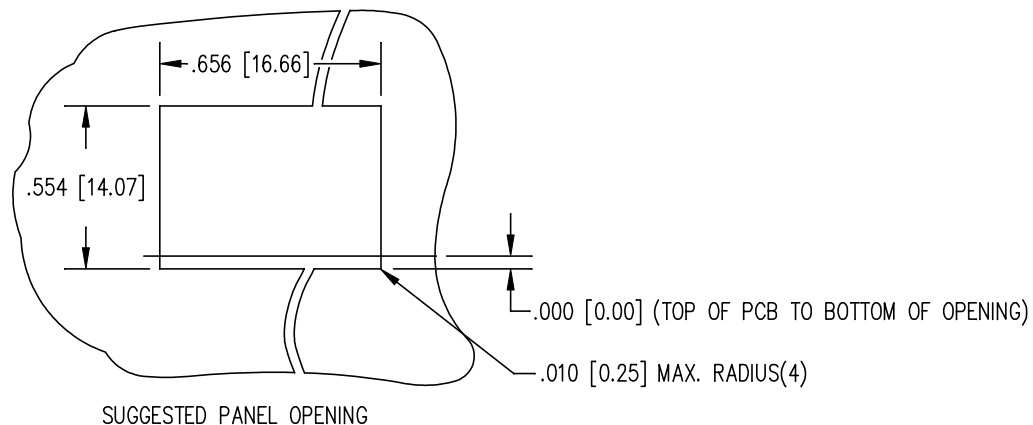
TITLE
<b>MagJack®</b>
10/100BT
TAB DOWN, SHIELDED

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]
SCALE : N/A
REV. : A0
SIZE : A4
PAGE : 3

**bel**  
COMPONENTS OR A  
CONNECTED  
PLANET



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  $\pm 0.005$  [0.13]

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE	
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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	±0.005	