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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.
- 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 : 1.1 dB TYP  
100KHz TO 100MHz
- 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
- 12.0 OPERATING TEMPERATURE : 0° C TO 70° C

PINS

TD+ P1

TCT P4

TD- P2

RD+ P3

TCT P5

RD- P6

RECEIVE

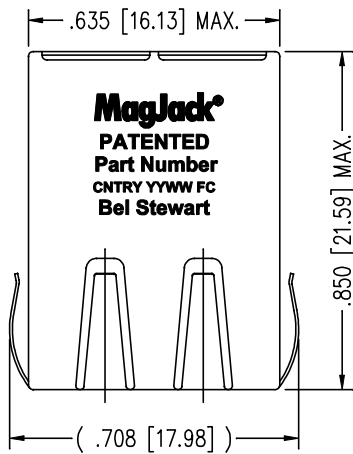
P8

NOTES

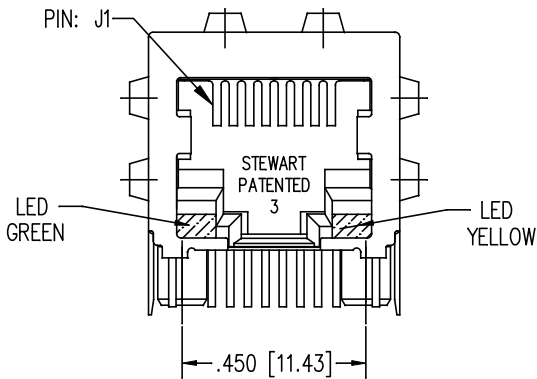
1.0 PINS WITHOUT

ORIGINATED BY <b>Zeng Xiao Chun</b>	DATE <b>07-04-2011</b>	TITLE <b>MagJack® 10/100BT TAB DOWN SHIELDED PATENTED</b>	PART NO. / DRAWING NO. <b>SI-60116-F</b>	STANDARD DIM. TOL. IN INCH
DRAWN BY <b>Zhang Ru Sheng</b>	DATE <b>07-04-2011</b>		FILE NAME <b>SI-60116-F.DWG</b>	.X .XX .XXX
				±0.00

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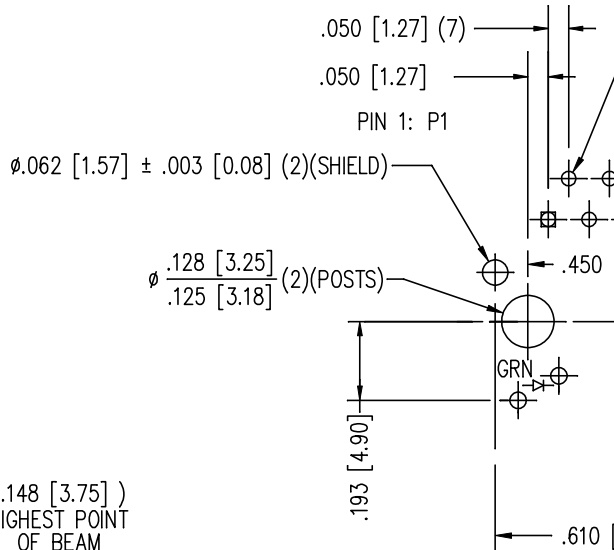
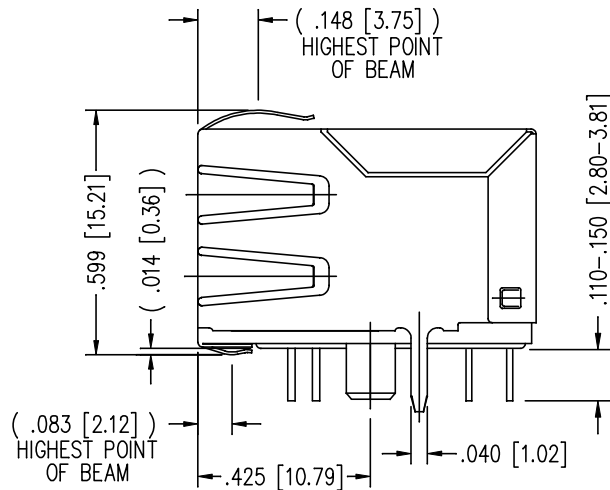


**MagJack**  
**PATENTED**  
**Part Number**  
**CNTRY YYWW FC**  
**Bel Stewart**



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)

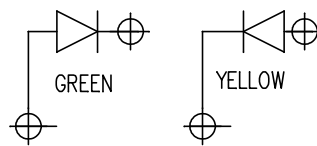


P.C.B. RECOM  
 SEEN FROM  
 ALL CENTERLINE

NOTES:

1. CONNE  
 HOUSI  
 CONTA  
 SHIELD  
 CONTA
2. PIN NO  
 SEE EL
3. TOLERA
4. ALL TO
5. REFLO  
 10 SE

LED POLARITY DETAIL



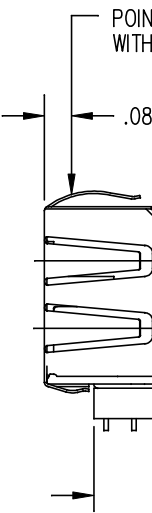
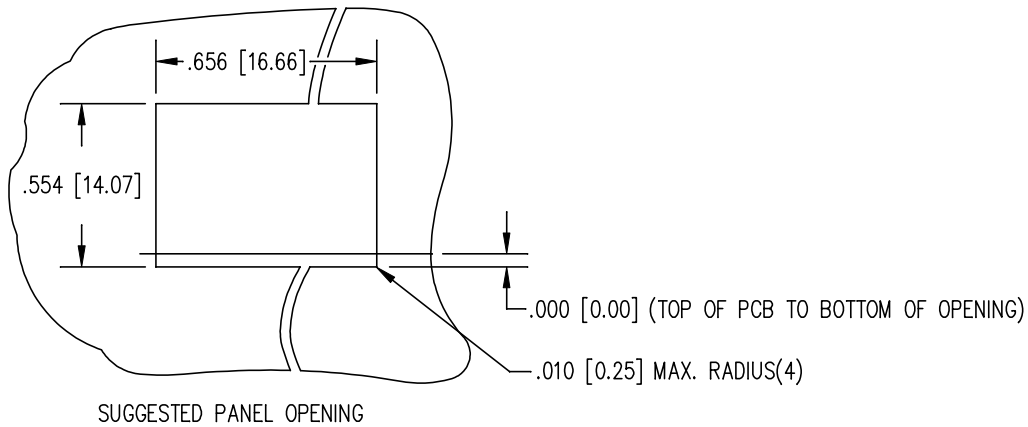
ORIGINATED BY	DATE
Zeng Xiao Chun	07-04-2011
DRAWN BY	DATE
Zhang Ru Sheng	07-04-2011

TITLE
<b>MagJack</b> 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	±0.00

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1. THE SUGGESTED P...  
TO GIVE THE USE...  
REASONABLE JAC...  
YET MAINTAIN RE...  
CAPABILITY.
2. ALL TOLERANCES...  
TO BE  $\pm 0.005$  [0.127]

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