

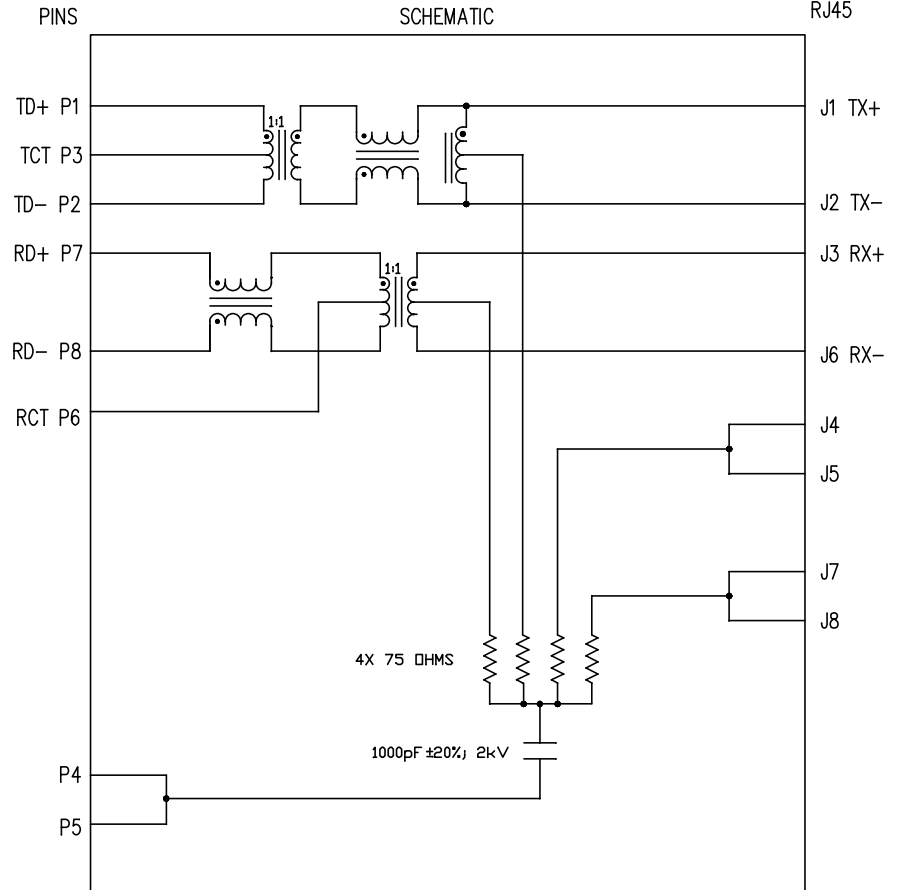
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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

- | | |
|--|--|
| 1.0 TURNS RATIO: (P8-P6-P7) : (J6-J3) | : 1CT : 1 ± 3% |
| (P2-P3-P1) : (J2-J1) | : 1CT : 1 ± 3% |
| 2.0 INDUCTANCE: (P7-P8) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| (P1-P2) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 LEAKAGE INDUCTANCE: P8-P7 (WITH J6 AND J3 SHORT) | : 0.3uH MAX. @ 1MHz |
| P2-P1 (WITH J2 AND J1 SHORT) | : 0.3uH MAX. @ 1MHz |
| 4.0 INTERWINDING CAPACITANCE: (P8,P6,P7) TO (J6,J3) | : 30pF MAX @ 1MHz |
| (P3,P2,P1) TO (J2,J1) | : 30pF MAX. @ 1MHz |
| 5.0 DC RESISTANCE: (J1-J2) | : 1.2 ohms Max. |
| (P8-P7) | : 1.2 ohms Max. |
| <u>RECEIVE</u> | |
| 6.0 RETURN LOSS: 1MHz TO 30MHz | : -18dB MIN. |
| 30MHz TO 60MHz | : -(19-20 LOG (f/30MHz)) |
| 60MHz TO 80MHz | : -12dB MIN. |
| 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) | : 1500 Vrms |
| (J3, J6) TO (P8,P7) | : 1500 Vrms |
| 8.0 INSERTION LOSS: RS=RL=100 ohms | |
| 1MHz TO 65MHz | : -1.0 dB MAX |
| 65MHz TO 100MHz | : -1.1 dB MAX |
| 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 | : -35 dB TYP |
| 11.0 COMMON TO COMMON MODE ATTENUATION: | |
| 1MHz TO 100MHz | : -45dB TYP |
| 100MHz TO 200MHz | : -20dB MIN |



NOTES

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
- 2.0 ALL RESISTORS ARE ±5% TOLERANCE.

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
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PART NO. / DRAWING NO.	SI-60120-F
FILE NAME	SI-60120-F.DWG

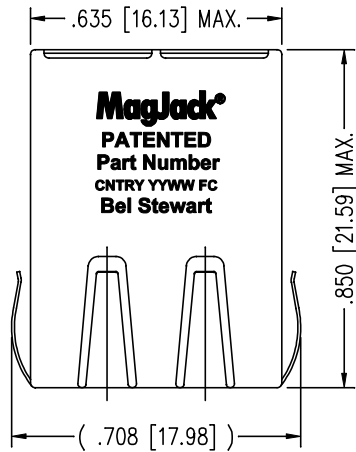
STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	±0.005

[] METRIC DIM. AS REFERENCE	
UNIT : INCH [mm]	REV. : A0
SCALE : N/A	SIZE : A4
	PAGE : 2

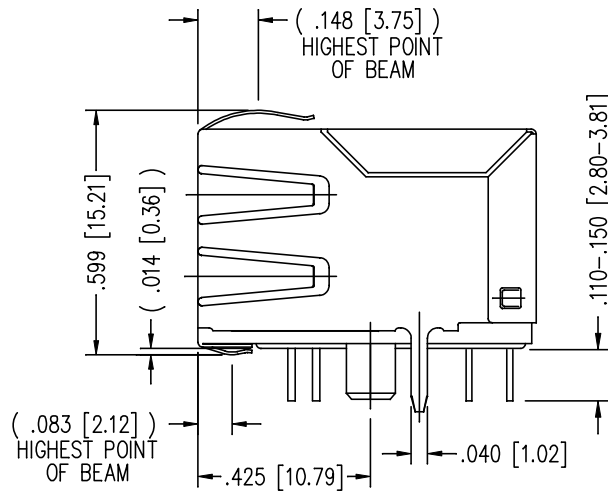
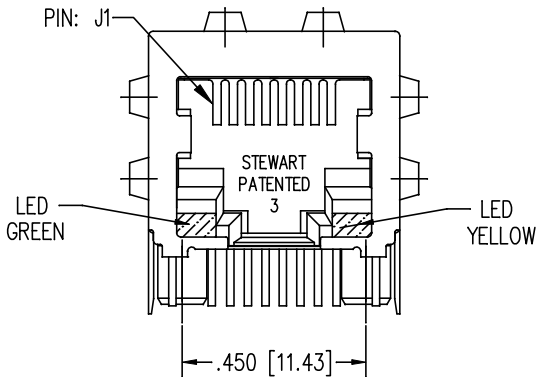


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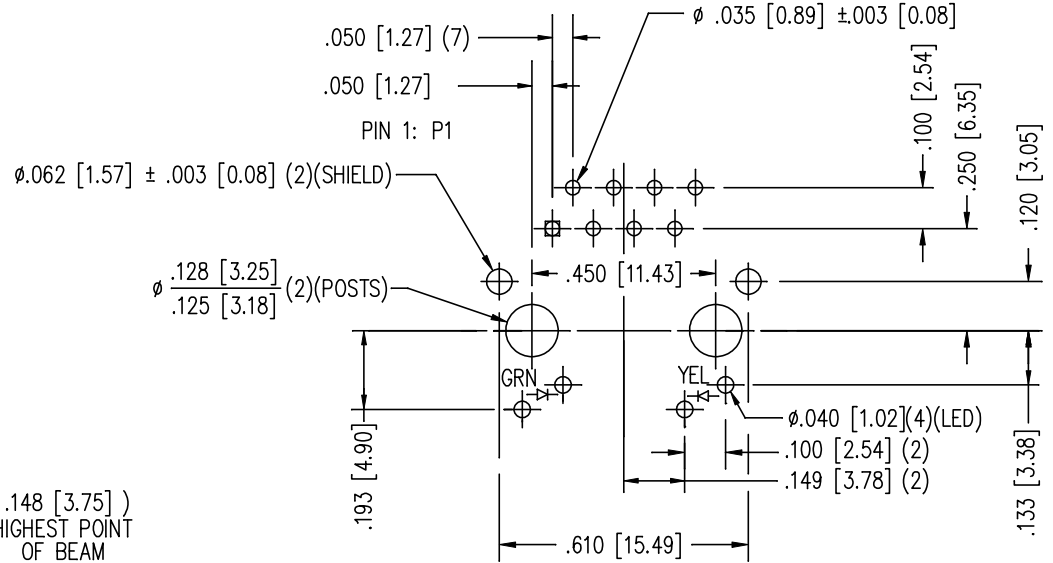
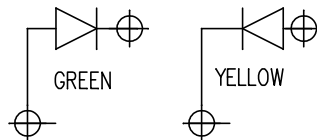
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MagJack
PATENTED
Part Number
CNTRY YYWW FC
Bel Stewart



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.

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)

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-60120-F
FILE NAME
SI-60120-F.DWG

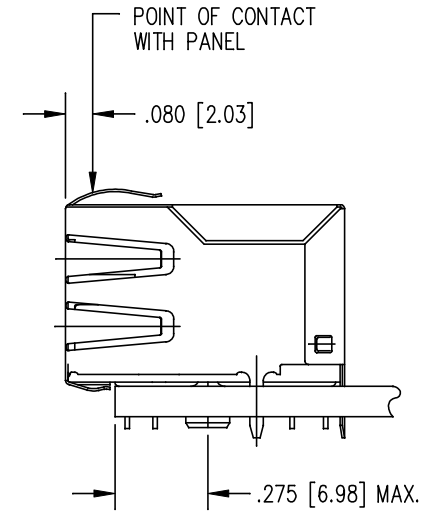
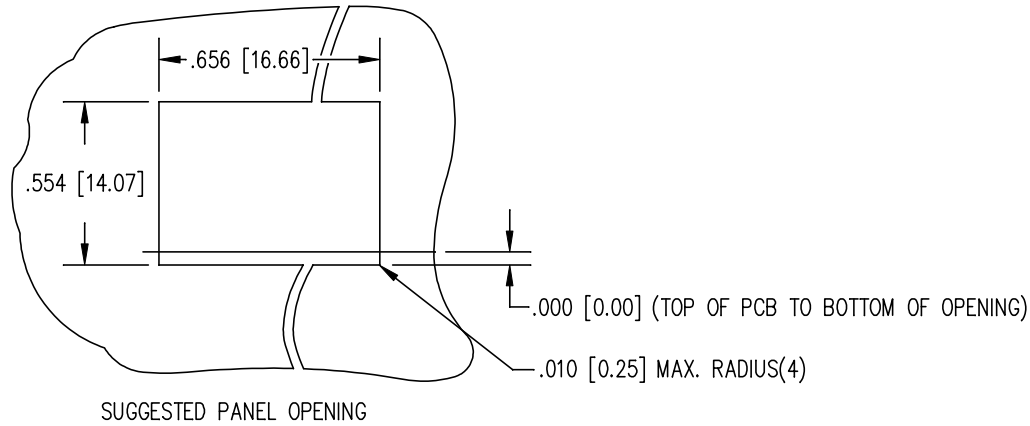
STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	± 0.005

[] METRIC DIM. AS REFERENCE	
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	PAGE : 3



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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		 COMPONENTS OR A CONNECTED PLANET
Zeng Xiao Chun	07-04-2011	MagJack® 10/100BT TAB DOWN SHIELDED PATENTED	SI-60120-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-60120-F.DWG	.XX		PAGE : 4	
				.XXX		± 0.005	