

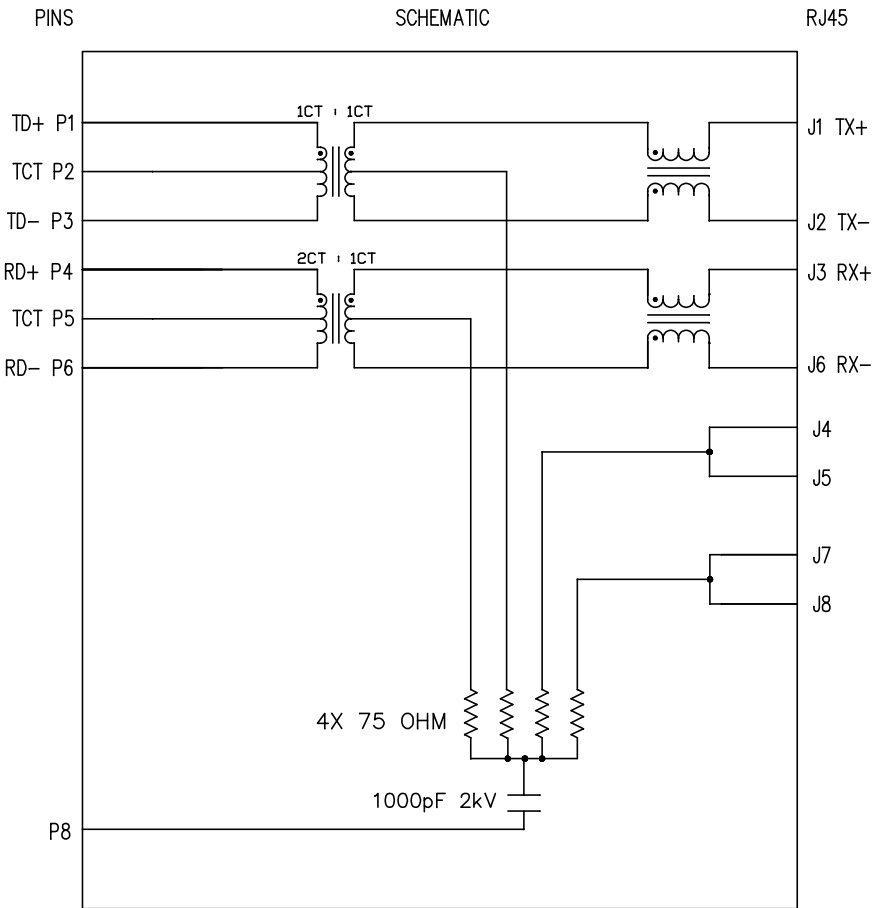
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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25° C

1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3) (P3-P2-P1) : (J2-J1)	: 2CT : 1 ± 3% : 1CT : 1 ± 3%
2.0 INDUCTANCE: (P3-P1) (J3-J6)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE:P6-P4 (WITH J6 AND J3 SHORT) P3-P1 (WITH J2 AND J1 SHORT)	: 1.1uH MAX. @ 1MHz : 0.3uH MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) (P3,P2,P1) TO (J2,J1)	: 30pF TYP @ 1MHz : 30pF TYP @ 1MHz
5.0 DC RESISTANCE: (J6-J3)=(J2-J1) (P6-P4) (P3-P1)	: 1.2 ohms Max. : 1.5 ohms Max. : 1.2 ohms Max.
6.0 RETURN LOSS:1MHz TO 30MHz 60MHz TO 80MHz	: 18dB MIN. : 12dB MIN.
NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).	
7.0 DIELECTRIC WITHSTAND:(J1, J2) TO (P1, P3) (J3, J6) TO (P4,P6)	: 1500 VAC : 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 PULSE WIDTH= 112nS	: 3.0 nS TYP : 3.0 nS TYP
10.0 CROSS TALK: 1MHz TO 100MHz	: 35 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION:1MHz TO 100MHz	: 30dB TYP



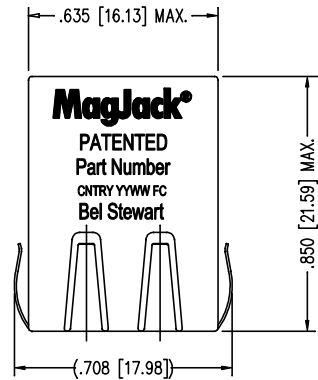
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED

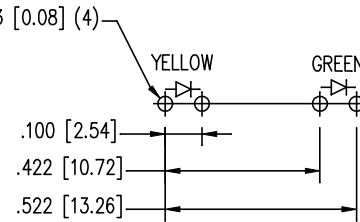
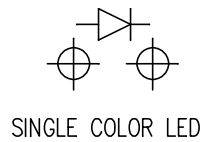
ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN,SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A CONNECTED PLANET
X.B Wei	11-08-10		SI-60244-F		UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME		SCALE : N/A	SIZE : A4	
R.S Zhang	11-08-10		SI-60244-F.DWG	.X .XX .XXX	±0.005		PAGE : 2

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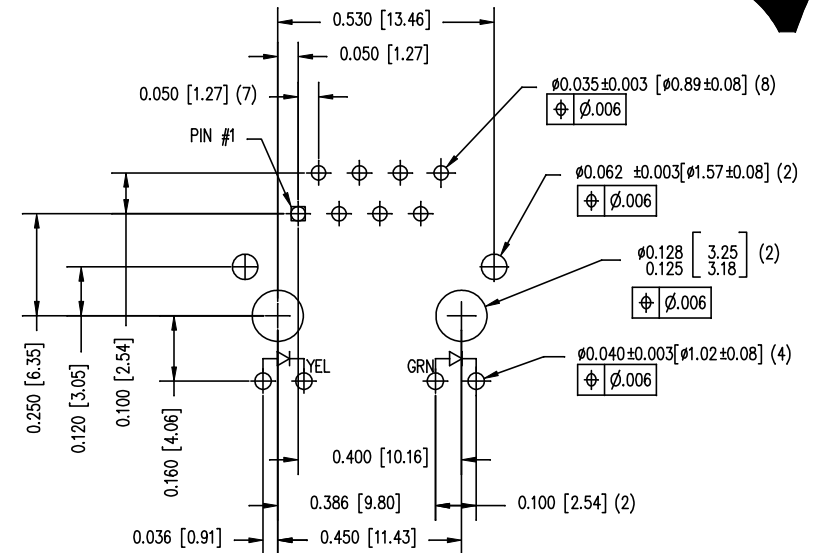
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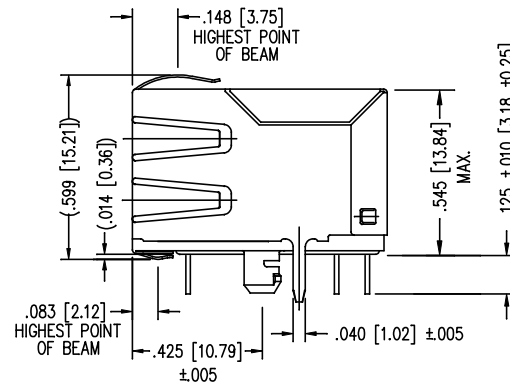
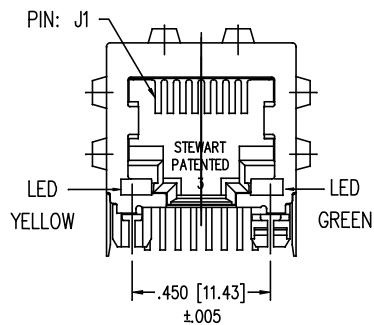
LED POLARITY
(ENLARGED VIEW)



DETAIL "B"
TYPICAL LED HOLE LAYOUT



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



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

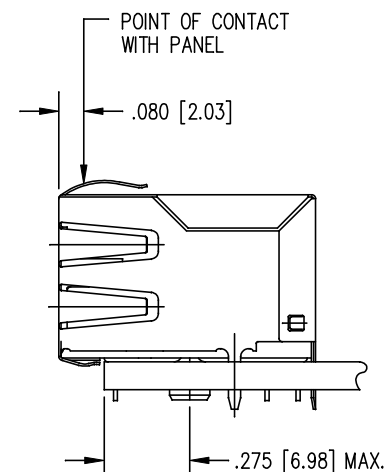
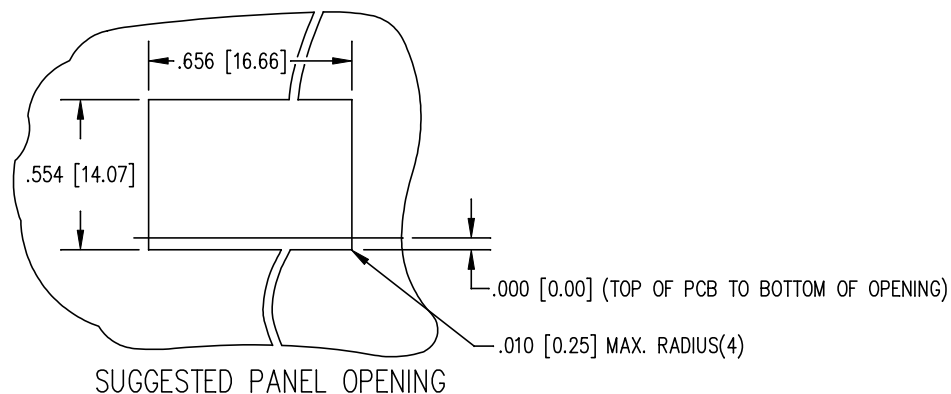
*WITH A FORWARD CURRENT OF 20 mA (TYP)

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 $\pm .005$ [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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R.S Zhang		11-08-10			SI-60244-F.DWG		.XX					PAGE : 3
							.XXX ±0.005					

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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]

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				.XXX	± 0.005		PAGE : 4

