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ELECTRICAL CHARACTERISTICS @ 25°C

ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3) : 1CT : 1CT ± 3%
 (P3-P2-P1) : (J2-J1) : 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: (P6-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 (P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHZ
 P3-P1 (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHZ
- 4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) : 30pf MAX @ 1MHZ
 (P3,P2,P1) TO (J2,J1) : 30pf MAX. @ 1MHZ
- 5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.2 ohms Max.

- 6.0 RETURN LOSS: 1MHz TO 30MHz : 18dB MIN.
 60MHz TO 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

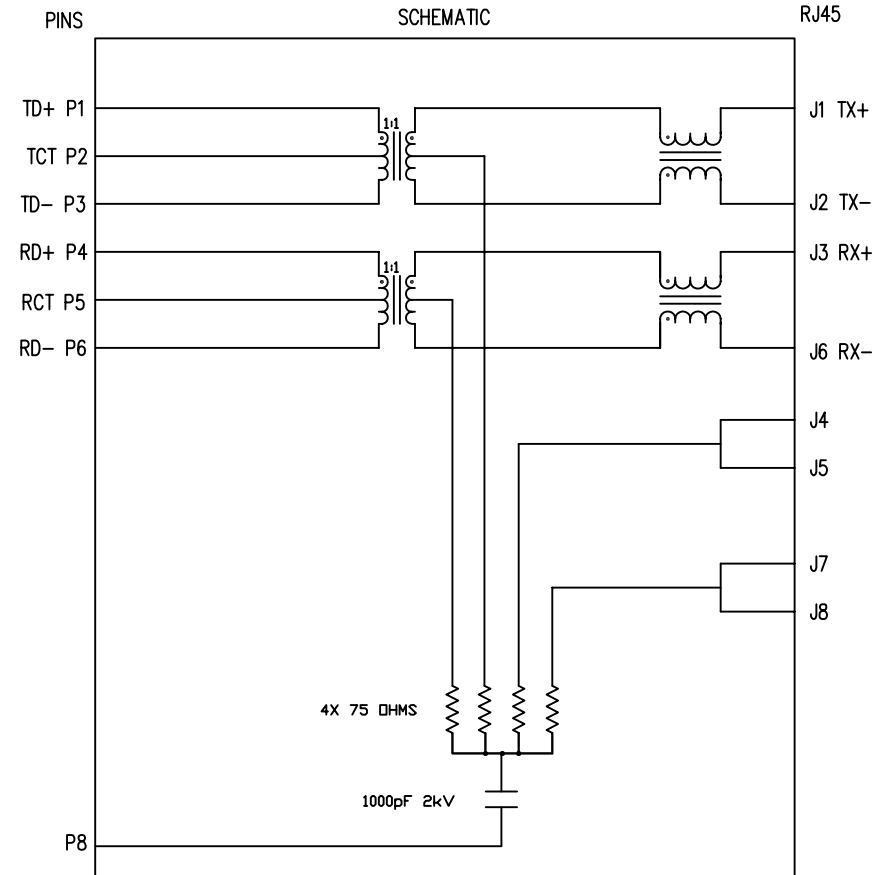
- 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 Vrms
 (J3, J6) TO (P4,P6) : 1500 Vrms

- 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



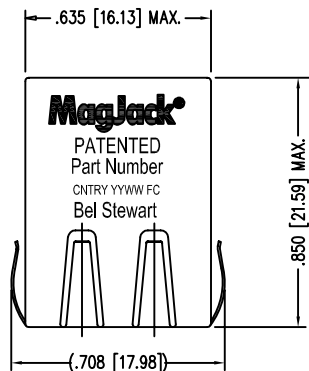
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

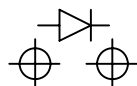
ORIGINATED BY Bain Liu	DATE 09-04-08	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO. SI-60062-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A	REV. : B0 SIZE : A4 PAGE : 2	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY LW Yuan	DATE 09-04-08		FILE NAME SI-60062-F.DWG	±0.005			

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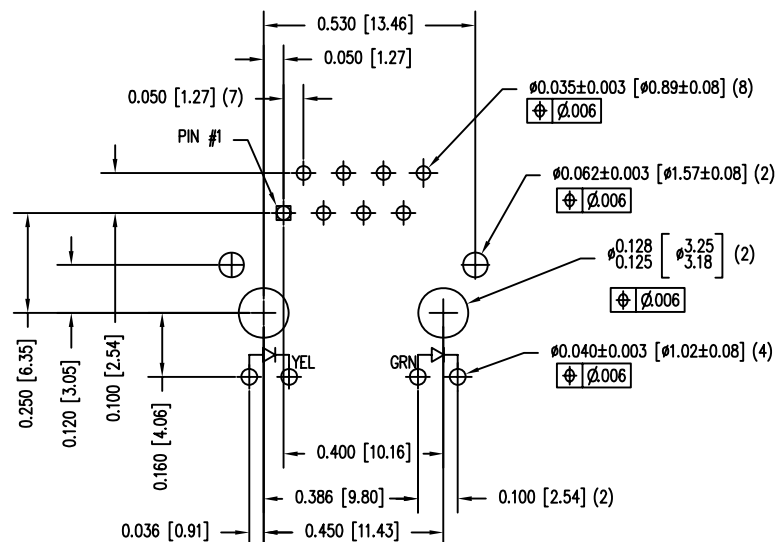
RoHS
2002/95/EC



LED POLARITY
(ENLARGED VIEW)



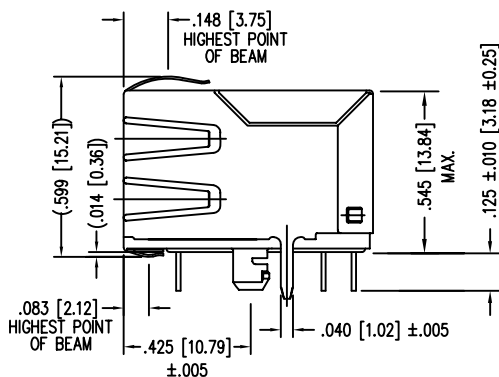
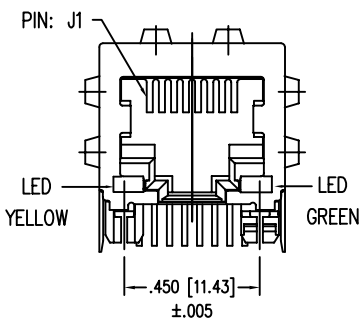
SINGLE COLOR LED



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



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

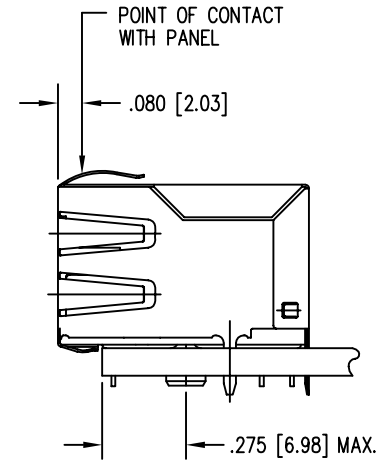
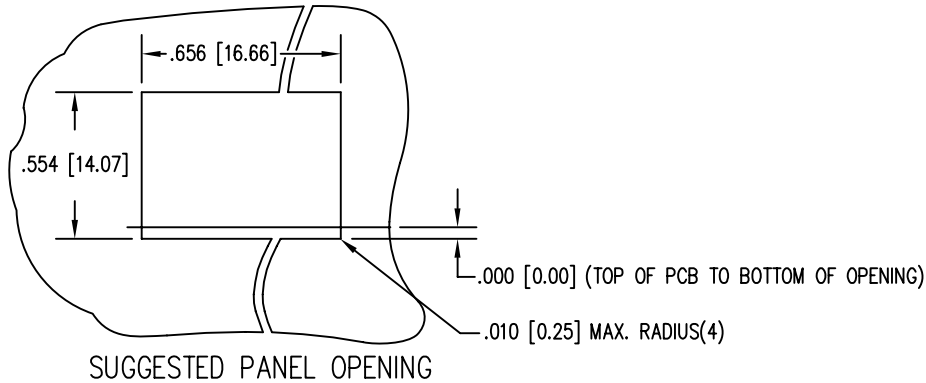
ORIGINATED BY	DATE	TITLE
Bain Liu	09-04-08	MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED
DRAWN BY	DATE	
LW Yuan	09-04-08	

PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
SI-60062-F	TOL. IN INCH	UNIT : INCH [mm] REV. : B0
FILE NAME	.X	SCALE : N/A SIZE : A4
SI-60062-F.DWG	.XX	SCALE : N/A SIZE : A4
	.XXX ±0.005	SCALE : N/A SIZE : A4

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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Bain Liu	09-04-08	MagJack[®] 10/100BT TAB DOWN, SHIELDED PATENTED	SI-60062-F	.X	UNIT : INCH [mm]	REV. : B0	
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4	
LW Yuan	09-04-08		SI-60062-F.DWG	.XXX	± 0.005	PAGE : 4	

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