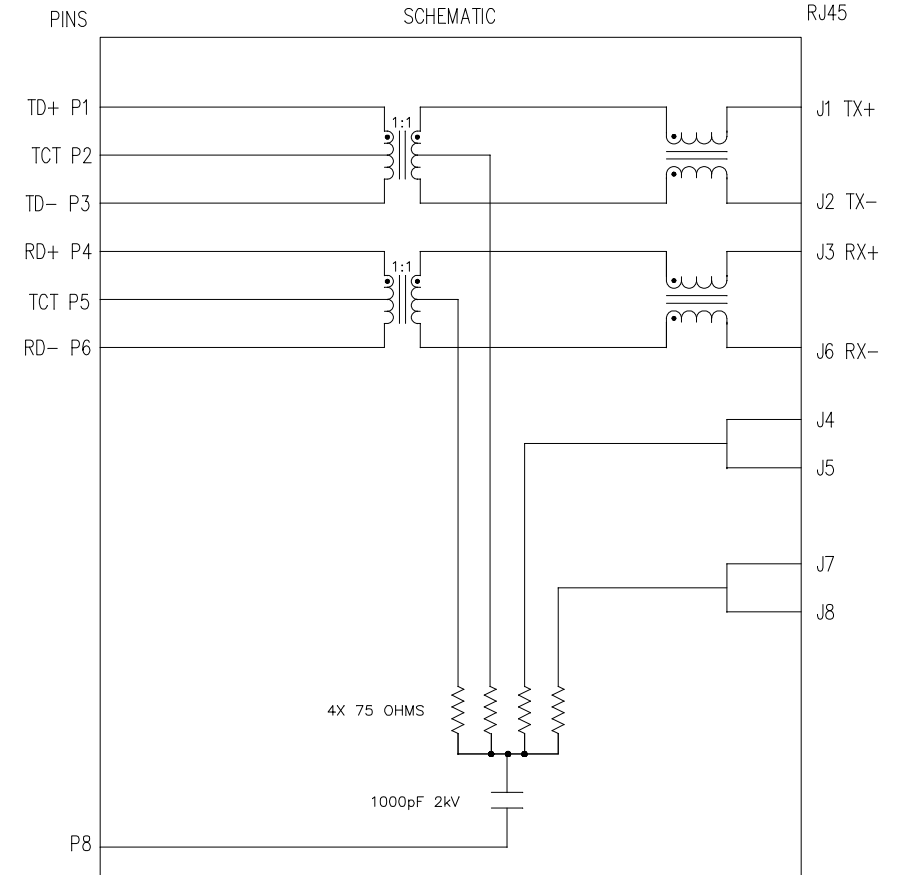


ELECTRICAL CHARACTERISTICS @ 25°C

- 1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3) : 1CT : 1CT \pm 3%
(P3-P2-P1) : (J2-J1) : 1CT : 1CT \pm 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) : 0.3uH MAX. @ 1MHz
P3-P1 (WITH J2 AND J1 SHORT) : 0.3uH 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
- 10.0CROSS TALK: 1MHz TO 100MHz : 40 dB TYP
- 11.0COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

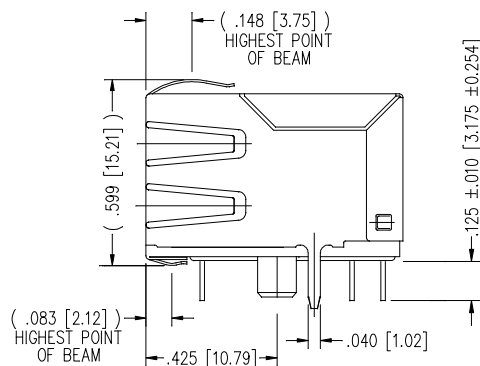
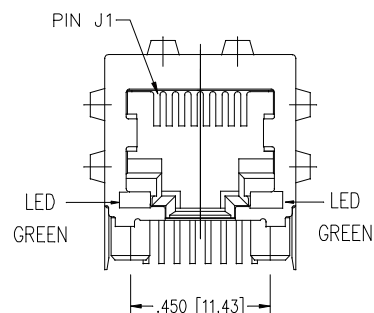
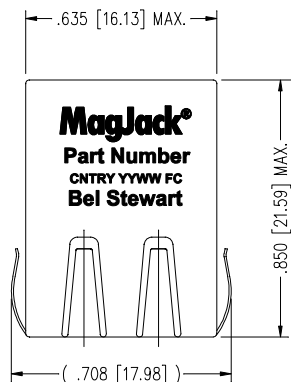


NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

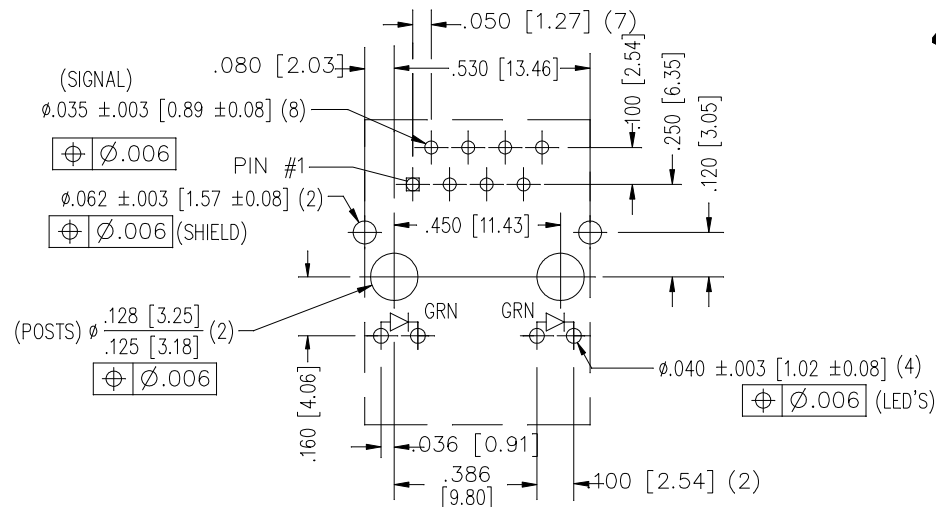
ORIGINATED BY Bain Liu	DATE 12-15-08	MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO. SI-60001-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY LW Yuan	DATE 12-15-08		FILE NAME SI-60001-F.DWG	.X	UNIT : INCH [mm]	REV. : A
				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.005	PAGE : 1

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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.

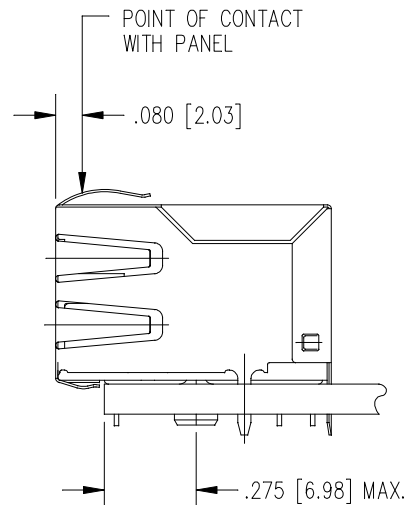
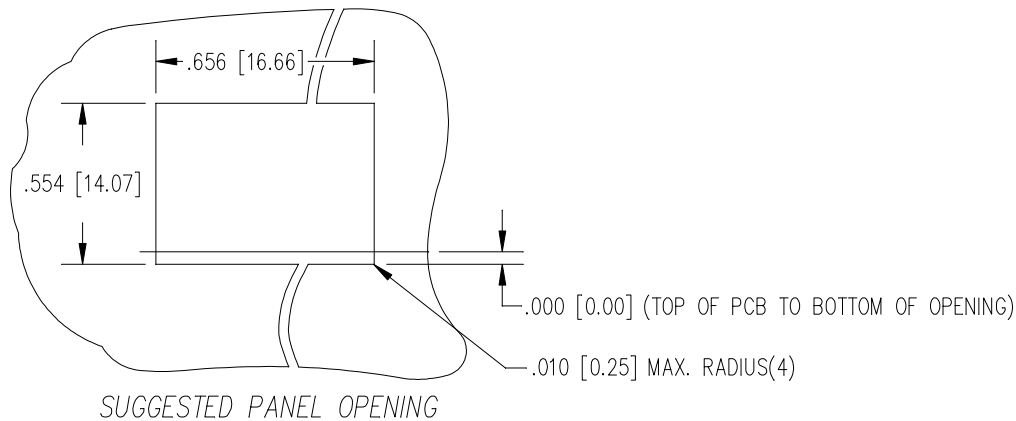
NOTES:

- 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.

ORIGINATED BY Bain Liu	DATE 12-15-08	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO. SI-60001-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY LW Yuan	DATE 12-15-08		FILE NAME SI-60001-F.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A PAGE : 2	REV. : A SIZE : A4



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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 Bain Liu	DATE 12-15-08	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED	PART NO. / DRAWING NO. SI-60001-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY LW Yuan	DATE 12-15-08		FILE NAME SI-60001-F.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	± 0.005		PAGE : 3

