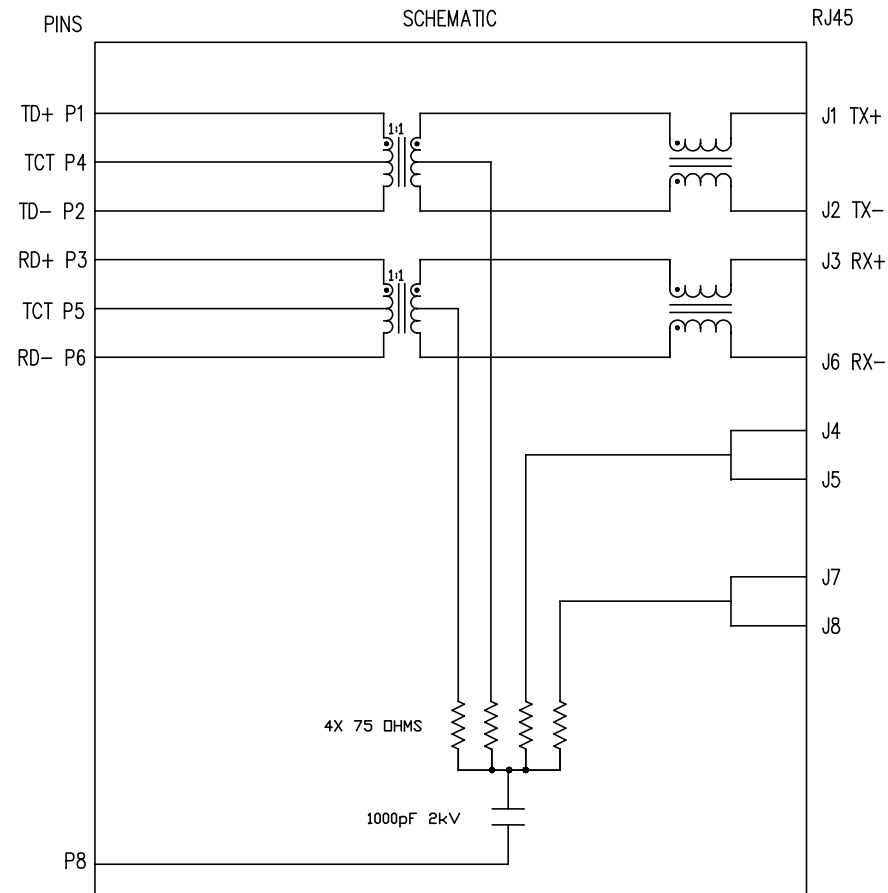


ELECTRICAL CHARACTERISTICS @ 25°C

1.0	Turns Ratio: (P3-P5-P6) : (J3-J6) (P1-P4-P2) : (J1-J2)	: 1CT : 1CT± 3% : 1CT : 1CT ± 3%
2.0	Inductance: (P1-P2) (P3-P6)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0	Leakage Inductance: P6-P3 (WITH J6 AND J3 SHORT) P2-P1 (WITH J2 AND J1 SHORT)	: 0.3uH MAX. @ 1MHz : 0.3uH MAX. @ 1MHz
4.0	Interwinding Capacitance: (P6,P5,P3) TO (J6,J3) (P2,P4,P1) TO (J2,J1)	: 30pF MAX @ 1MHz : 30pF MAX. @ 1MHz
5.0	DC Resistance: (J6-J3)=(J2-J1)	: 1.2 ohms Max.
RECEIVE		
6.0	Return Loss: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF. 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, P2) (J3, J6) TO (P3, P6)	: 1500 Vrms : 1500 Vrms
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 MAX : 3.0 nS MAX
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



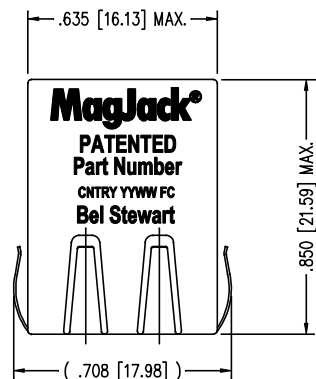
NOTES

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.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET	
Bain Liu	08-31-09		SI-60134-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : A0
DRAWN BY	DATE		FILE NAME SI-60134-F.DWG	.X		SCALE : N/A			SIZE : A4
Bain Liu	08-31-09			.XX					
			.XXX	±0.005					

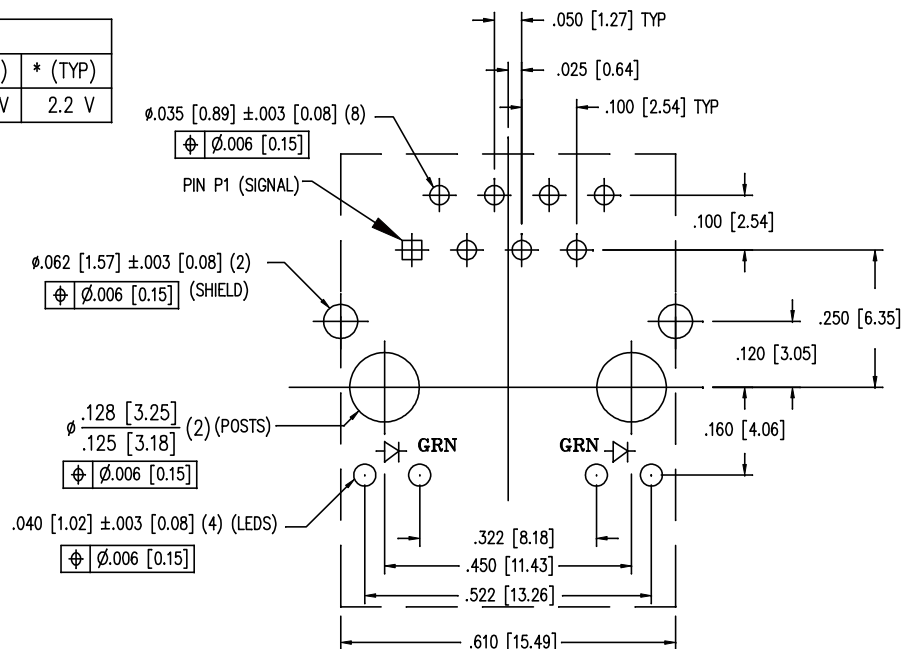
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RoHS
2002/95/EC



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)

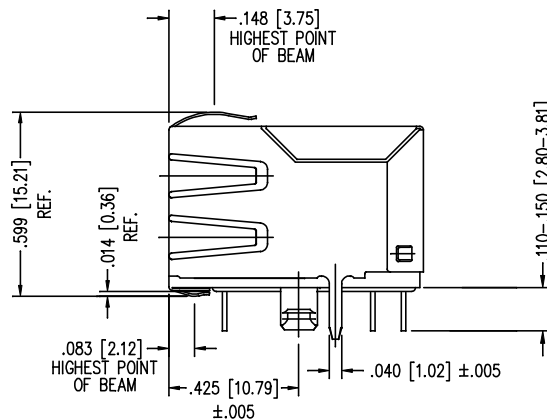
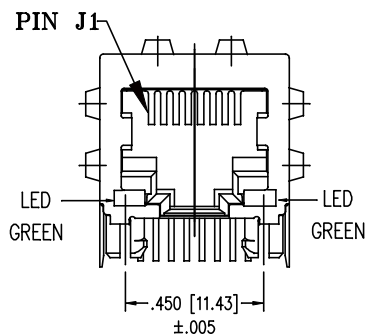


P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

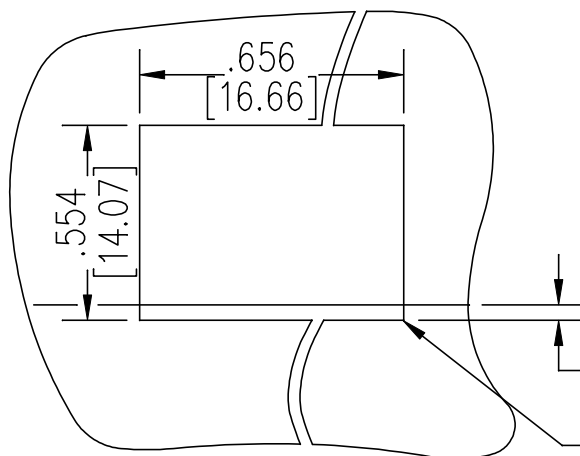
ALL CENTERLINE DIMENSIONS ARE BASIC.

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]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.



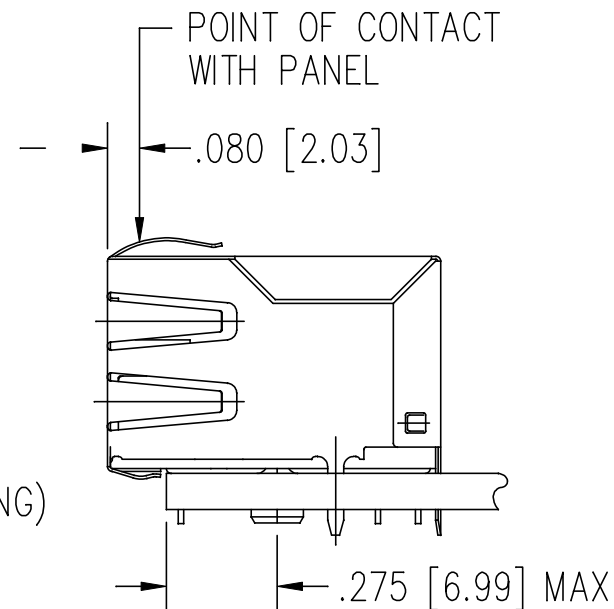
ORIGINATED BY		DATE	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO. SI-60134-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Bain Liu		08-31-09		FILE NAME SI-60134-F.DWG		.X		UNIT : INCH [mm]	REV. : A0	
DRAWN BY		DATE				.XX		SCALE : N/A	SIZE : A4	
Bain Liu		08-31-09				.XXX			PAGE : 3	



SUGGESTED PANEL OPENING

.000 (TOP OF PCB TO BOTTOM OF OPENING)

.010 [0.25] MAX. RADIUS(4)



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 08-31-09	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO. SI-60134-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.005	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : A0
DRAWN BY Bain Liu	DATE 08-31-09		FILE NAME SI-60134-F.DWG		SCALE : N/A	SIZE : A4
						PAGE : 4