

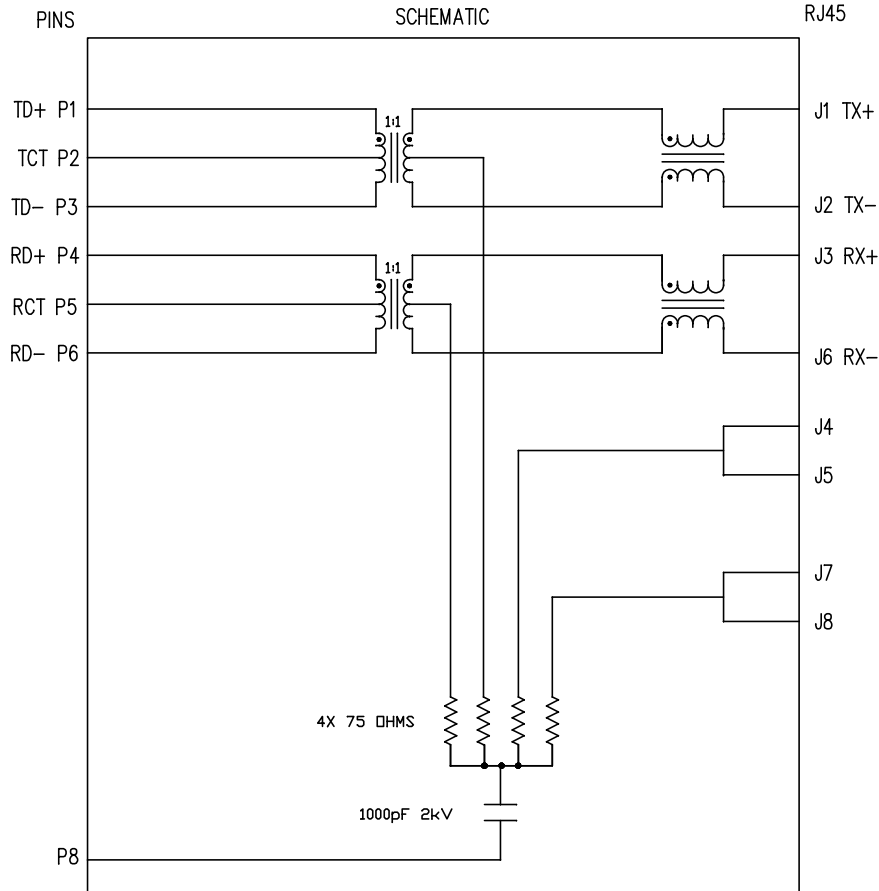
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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

OPERATING TEMPERATURE RANGE:	: -40°C TO +85°C
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)	: 0.3uH MAX. @ 1MHz
P3-P1 (WITH J2 AND J1 SHORT)	: 0.3uH MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3)	: 40pF MAX @ 1MHz
(P3,P2,P1) TO (J2,J1)	: 40pF MAX. @ 1MHZ
5.0 DC RESISTANCE: (J6-J3)=(J2-J1)	: 1.2 ohms Max.
6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.	
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	
100KHz TO 100MHZ	: 1.1 dB TYP
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	: 40 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHZ	: 35dB TYP

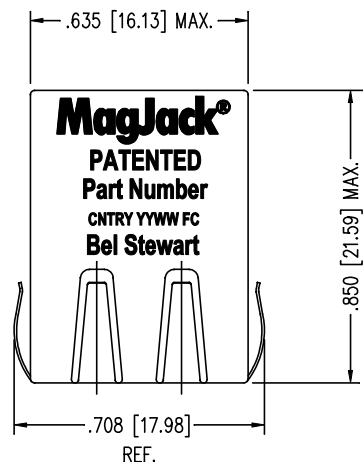


NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

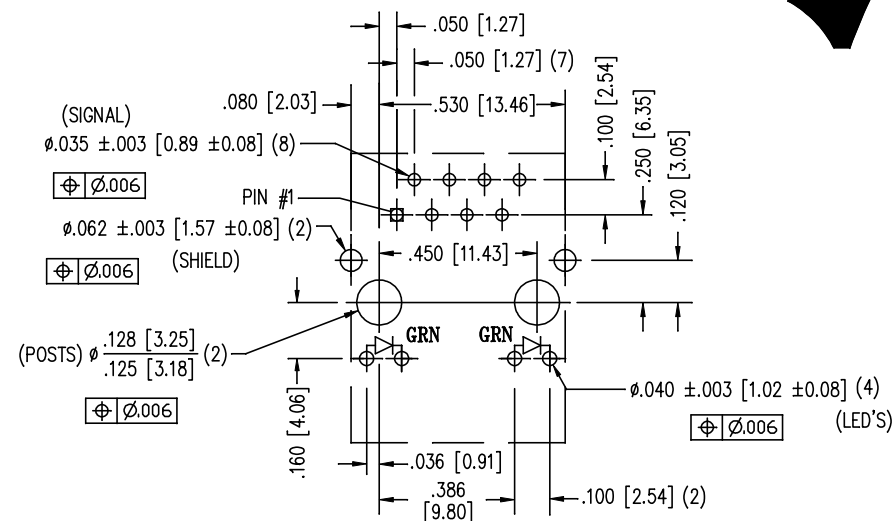
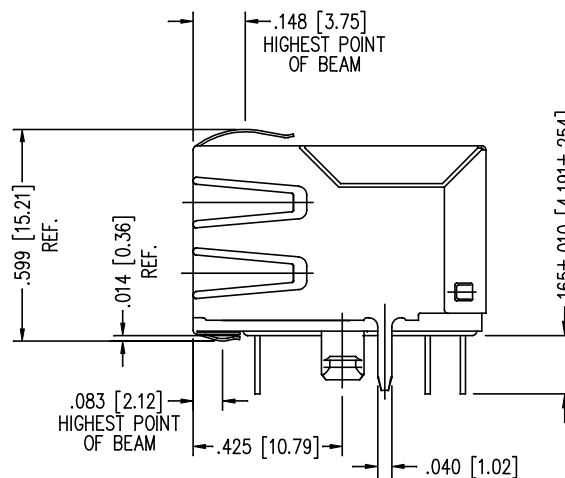
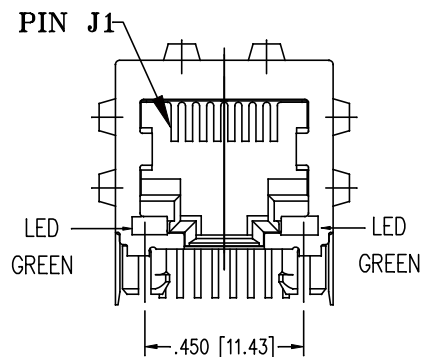
ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Bain Liu	09-03-09		SI-60118-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
Bain Liu	09-03-09		SI-60118-F.DWG	.XX			PAGE : 2	
				.XXX	±0.005			

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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)




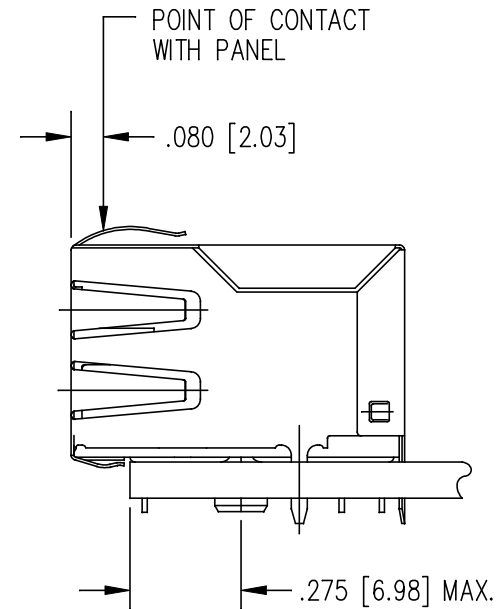
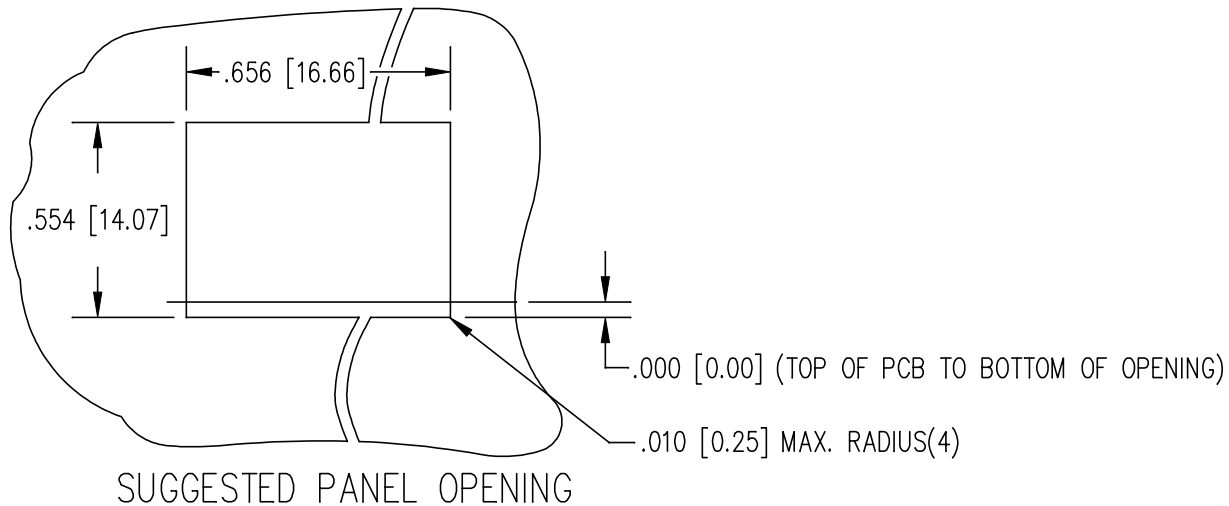
P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.


NOTES:

1. 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.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.

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Bain Liu	09-03-09		SI-60118-F.DWG		.XX					PAGE : 3
					.XXX		±0.005			



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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