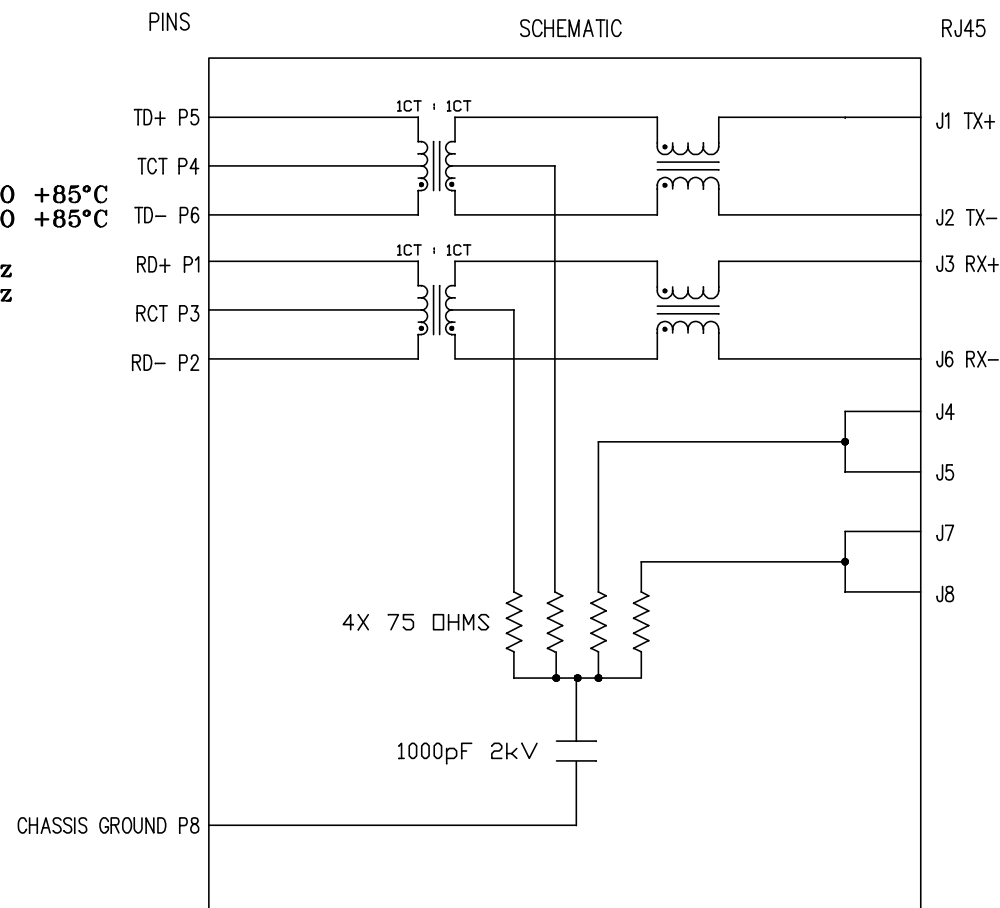




ELECTRICAL CHARACTERISTICS @ 25°C

OPERATING TEMPERATURE RANGE:	: -40°C TO +85°C
1.0 TURNS RATIO: (P2-P3-P1) : (J6-J3) (P6-P4-P5) : (J2-J1)	: 1CT : 1CT ± 3% : 1CT : 1CT ± 3%
2.0 INDUCTANCE: (P6-P5) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias, -40°C TO +85°C (P2-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias, -40°C TO +85°C	
3.0 LEAKAGE INDUCTANCE: P2-P1 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P6-P5 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz	
4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J2,J1) (P3,P2,P1) TO (J3,J6)	: 30pF MAX @ 1MHz : 30pF MAX. @ 1MHz
5.0 DC RESISTANCE (J6-J3)=(J2-J1)	: 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 Vrms : 1500 Vrms
8.0 INSERTION LOSSRS=RL=100 ohms 100KHz TO 100MHz	: 1.1 dB TYP
9.0 RISE TIMERS=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: 1MHz TO 100MHz	: 35dB TYP



NOTES:
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

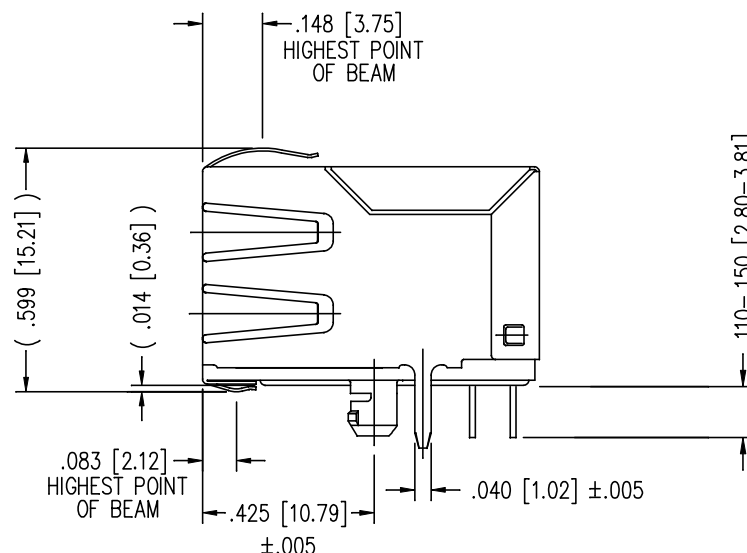
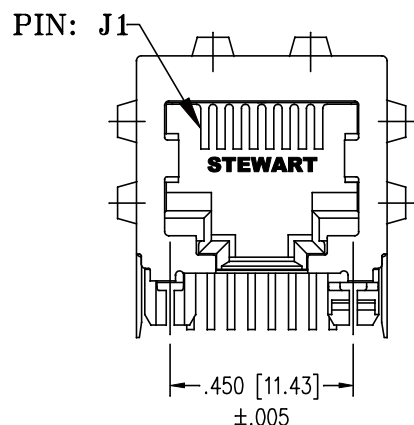
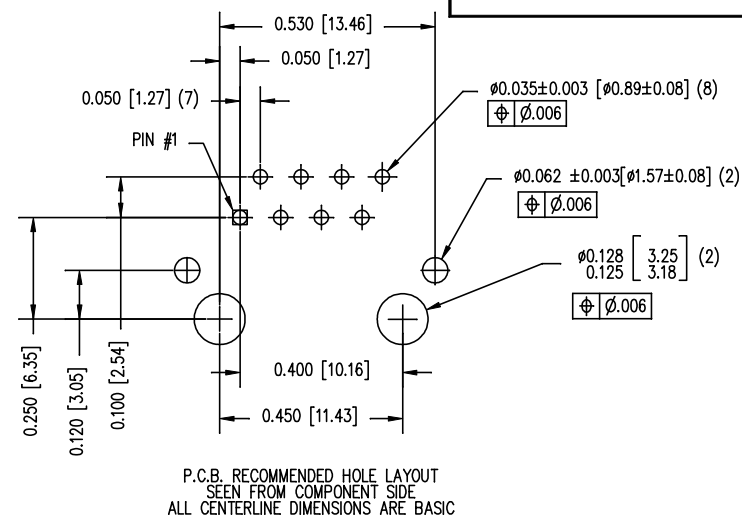
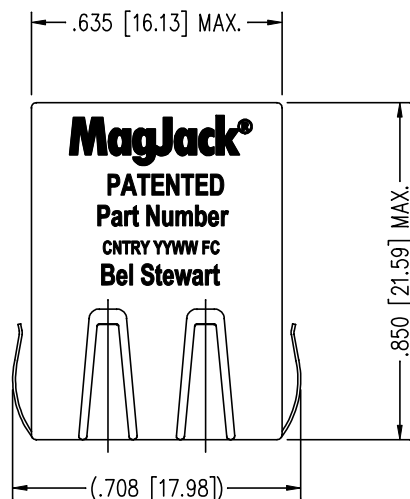
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
ZL WANG	11-03-09	MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	SI-60228-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : X1	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
RS ZHANG	11-03-09		SI-60228-F.DWG	.XX .XXX	±0.005	PAGE : 2	

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PRELIMINARY



NOTES:

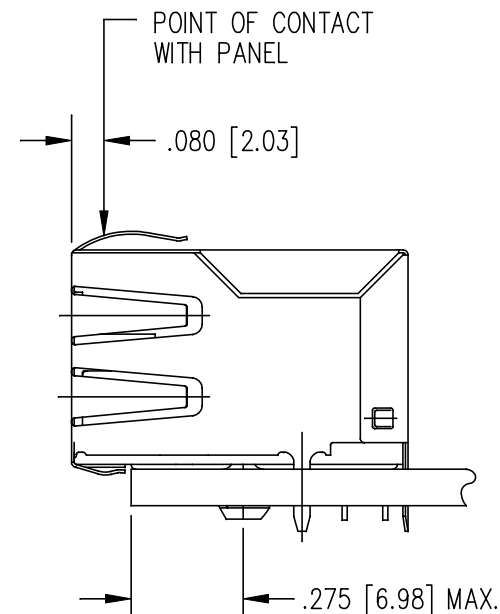
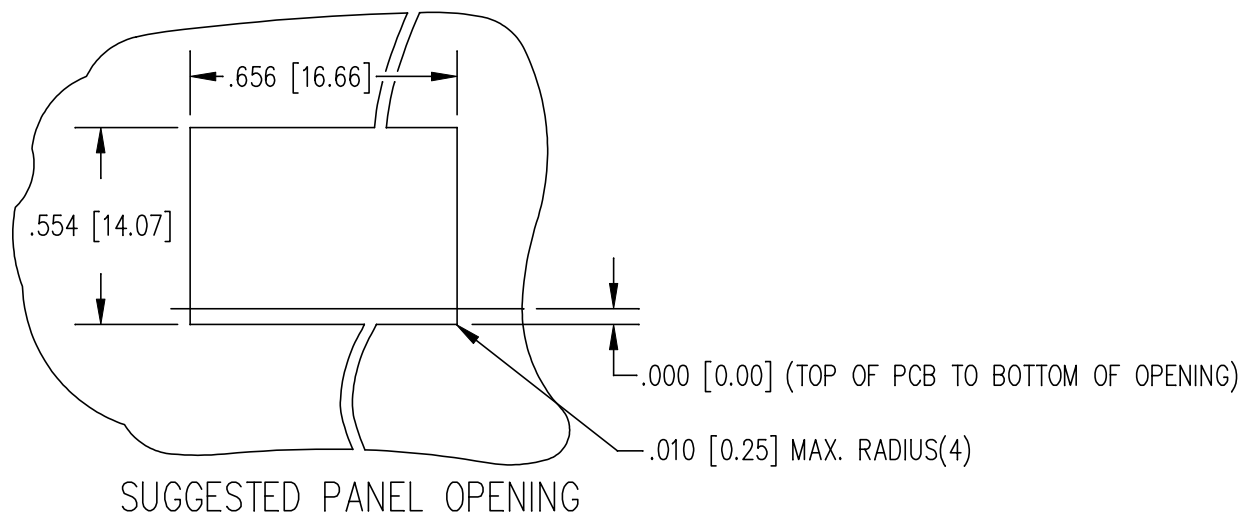
- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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
ZL WANG	11-03-09		SI-60228-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : X1	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
RS ZHANG	11-03-09		SI-60228-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]

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
ZL WANG	11-03-09		SI-60228-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : X1	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
RS ZHANG	11-03-09		SI-60228-F.DWG	.XX			PAGE : 4	
				.XXX	± 0.005			