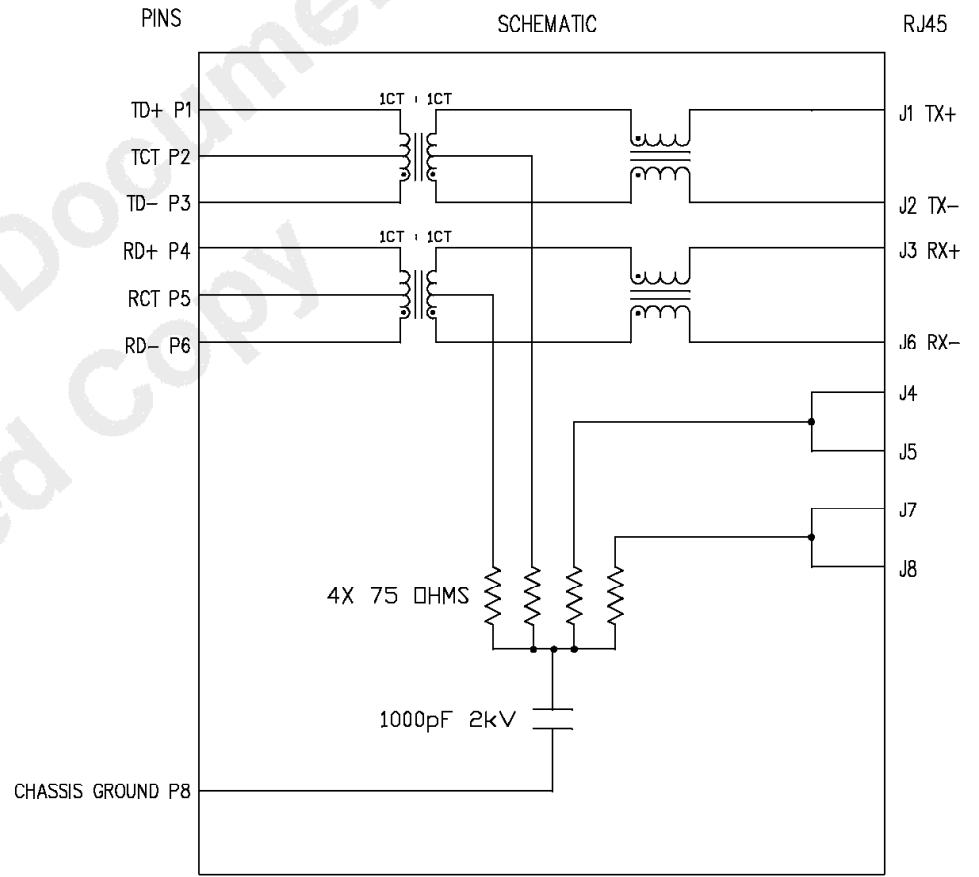


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ELECTRICAL CHARACTERISTICS @ 25°C

- 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) : 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: (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 VOLTAGE 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



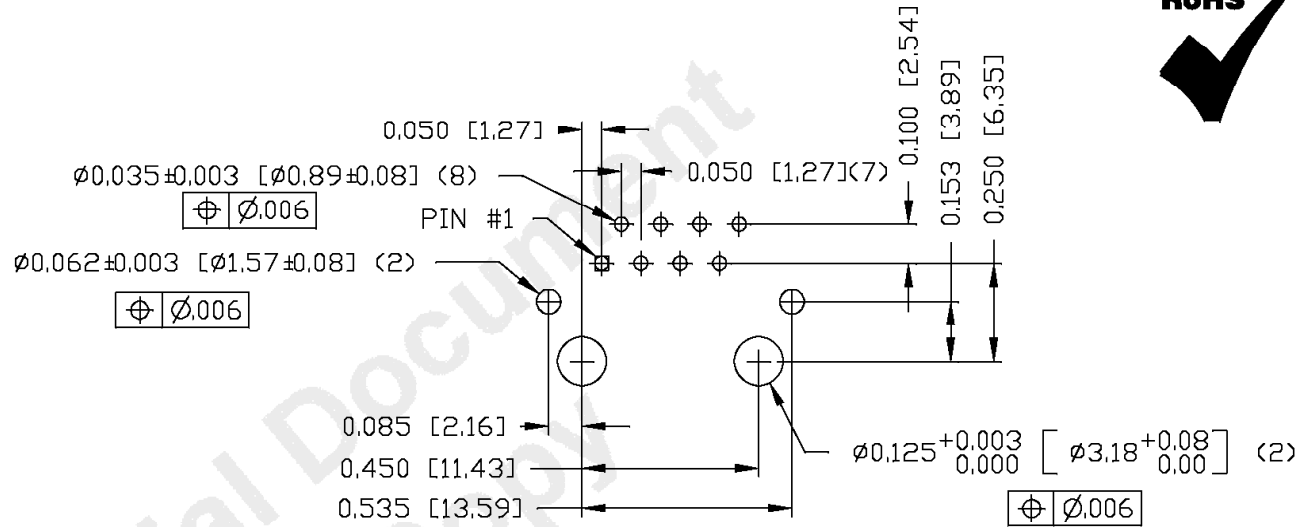
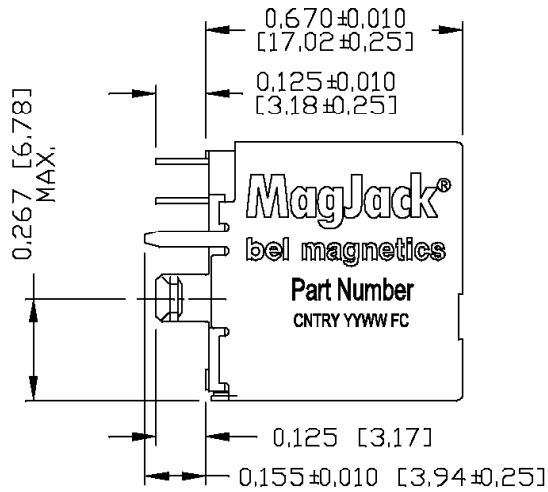
NOTES: 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

REV. : A2 PAGE : 3

ORIGINATED BY CHOW WANCHUNG DATE 2016-09-13	TITLE 10/100BT MagJack® VERTICAL, SHIELDED	PART NO. / DRAWING NO. SI-16001-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	
		FILE NAME SI-16001-F_A2.DWG	.X	UNIT : INCH [mm]	
DRAWN BY LI LINFENG DATE 2016-09-13			.XX	SCALE : N/A	
			.XXX	SIZE : A4	

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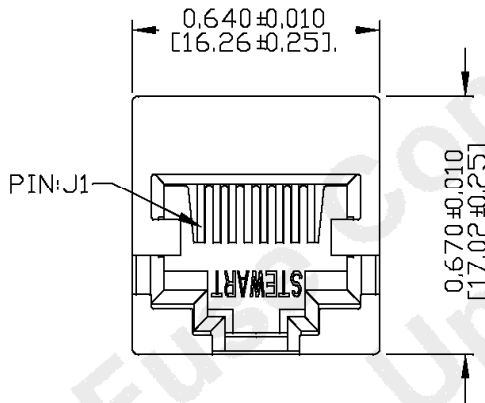
RoHS



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].
- THE PRODUCT IS ROHS COMPLIANT.
- UL RECOGNIZED - FILE #E474585.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING.  
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS  
260°C MAX AND 10 SECONDS MAX.



ORIGINATED BY  
ANTON LIAO  
DATE 2016-09-13

TITLE  
10/100BT MagJack®  
VERTICAL, SHIELDED

DRAWN BY  
LIU DONGJUN  
DATE 2016-09-13

PART NO. / DRAWING NO.  
SI-16001-F

FILE NAME  
SI-16001-F\_A2.DWG

STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.005
	SIZE : A4

REV. : A2 PAGE : 4

