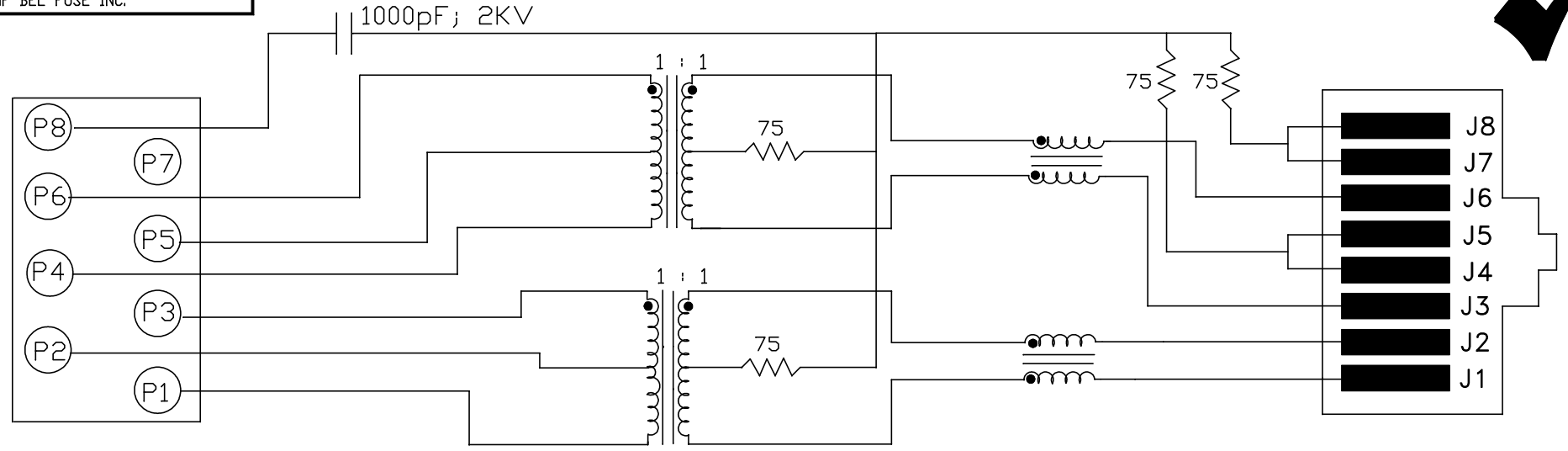


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PRELIMINARY



ELECTRICAL SPECIFICATIONS:

- 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) : 0.3 MAX. @ 1MHz  
 P3-P1 (WITH J2 AND J1 SHORT) : 0.3 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.

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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<b>DRAWN BY</b> XIE YIMING <b>DATE</b> 2018-01-31			<b>FILE NAME</b> SI-60002-F_PA.DWG		UNIT : INCH [mm] SCALE : N/A		
					SIZE : A4		

REV. : PA PAGE : 2

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RECEIVE

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 VAC  
 (J3, J6) TO (P4,P6) : 1500 VAC

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

10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

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DRAWN BY XIE YIMING DATE 2018-01-31			FILE NAME SI-60002-F_PA.DWG		UNIT : INCH [mm]			
					SCALE : N/A			
				SIZE : A4				

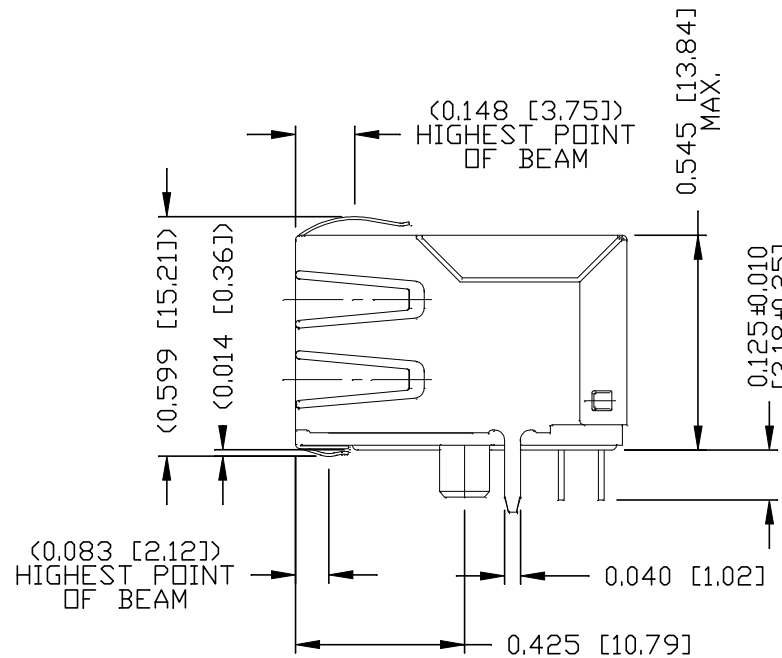
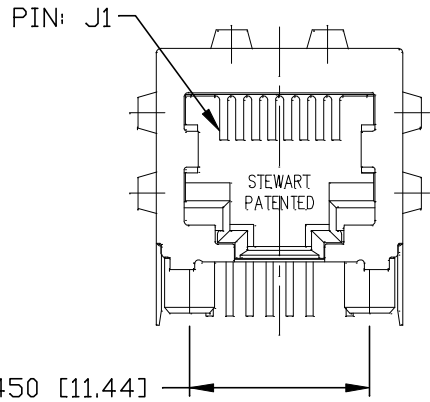
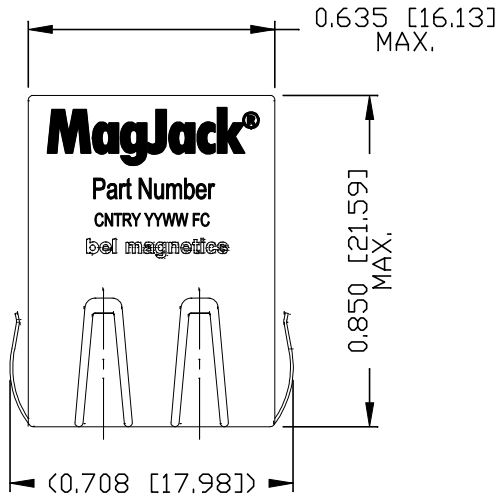
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PRELIMINARY



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.
- THE PRODUCT IS RoHS COMPLIANT.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING.  
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX  
AND 10 SECONDS MAX.



REV. : PA PAGE : 4

ORIGINATED BY  
ANTON LIAO  
DATE 2018-01-31  
DRAWN BY  
LIU DONGJUN  
DATE 2018-01-31

TITLE  
10/100BT MagJack®  
TAB DOWN, SHIELDED

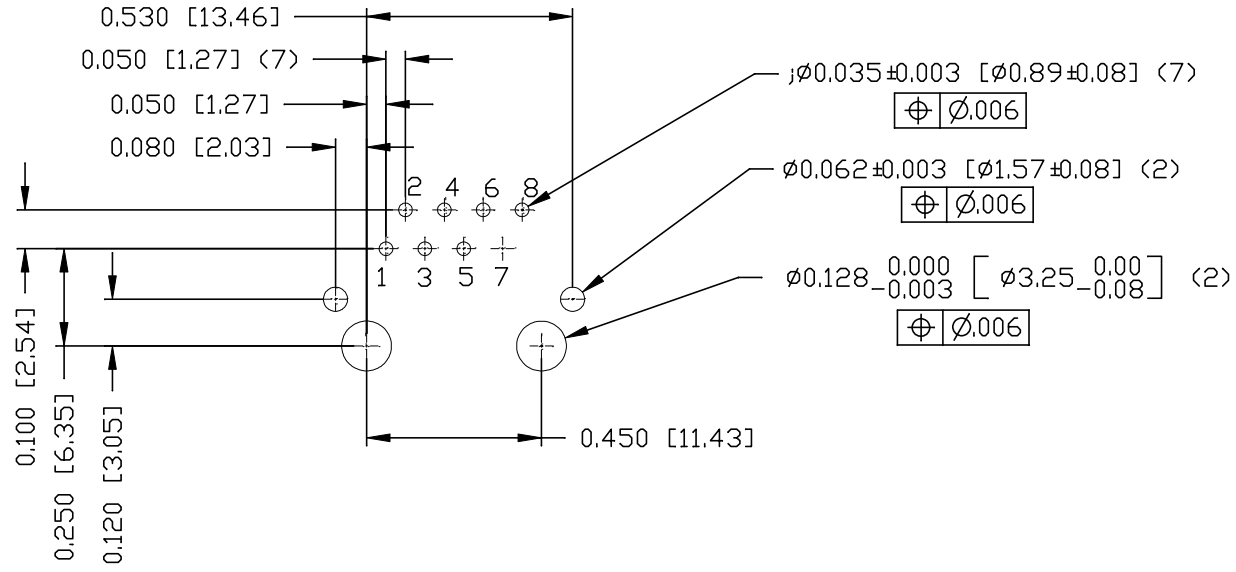
PART NO. / DRAWING NO.  
SI-60002-F  
FILE NAME  
SI-60002-F\_PA.DWG

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



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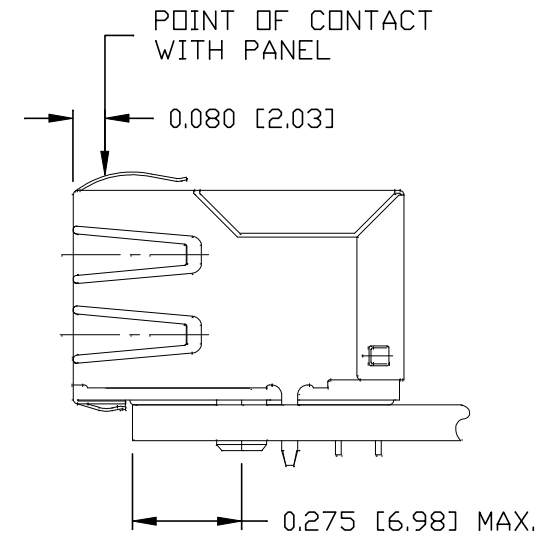
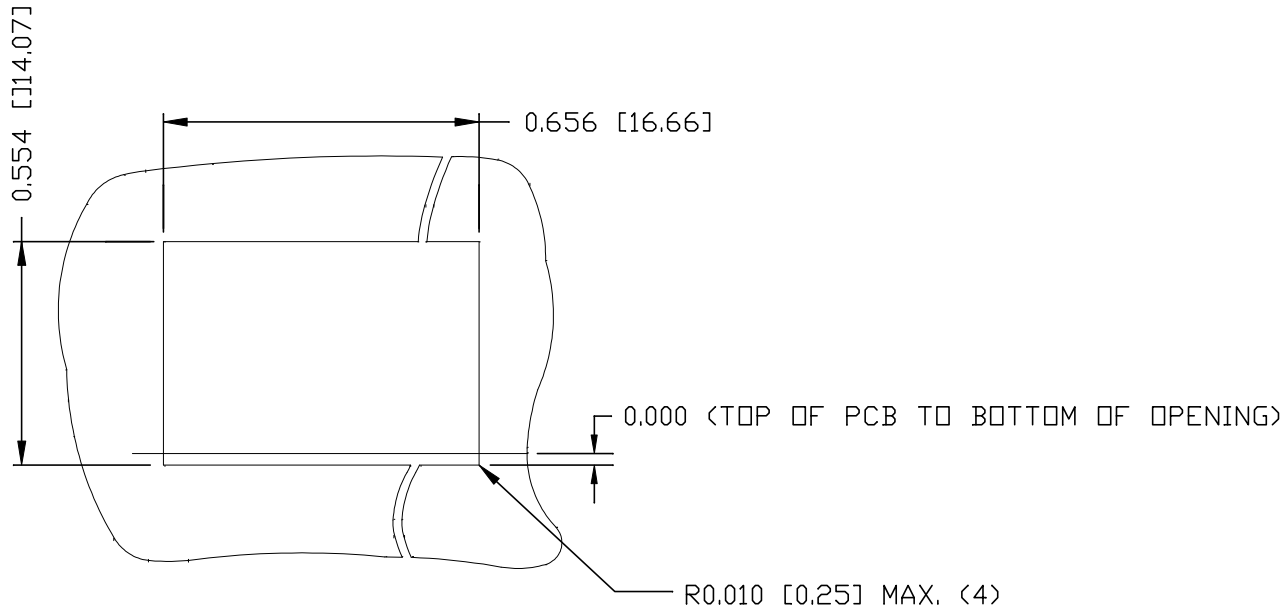
PCB RECOMMENDED HOLE LAYOUT  
 (SEEN FROM COMPONENT SIDE)  
 ALL CENTERLINE DIMENSIONS ARE BASIC

<b>ORIGINATED BY</b> ANTON LIAO <b>DATE</b> 2018-01-31		<b>TITLE</b> 10/100BT MagJack® TAB DOWN, SHIELDED	<b>PART NO. / DRAWING NO.</b> SI-60002-F		<b>STANDARD DIM. TOL. IN INCH</b> [ ] METRIC DIM. AS REF.		<b>REV. :</b> PA	<b>PAGE :</b> 5
<b>DRAWN BY</b> LIU DONGJUN <b>DATE</b> 2018-01-31			<b>FILE NAME</b> SI-60002-F_PA.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4			
				±0.005				

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SUGGESTED PANEL OPENING

PRELIMINARY



NOTES:

THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

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<b>DRAWN BY</b> LIU DONGJUN <b>DATE</b> 2018-01-31			<b>FILE NAME</b> SI-60002-F_PA.DWG		.X	UNIT : INCH [mm]	
					.XX	SCALE : N/A	
				.XXX	±0.005	 SIZE : A4	