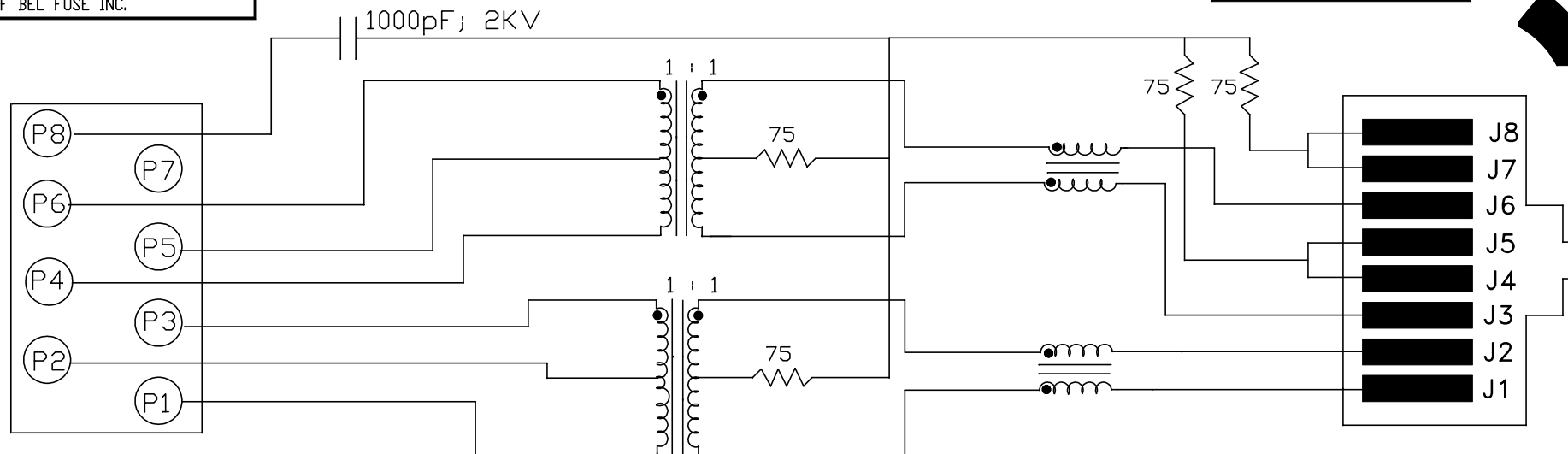


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PRELIMINARY

RoHS



ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3) : 1CT : 1CT $\pm$ 3%
(P3-P2-P1) : (J2-J1) : 1CT : 1CT $\pm$ 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.

ORIGINATED BY
CHOW WANCHUNG
DATE 2018-01-31

DRAWN BY
XIE YIMING
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

.X

.XX

.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : PA

PAGE : 2





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

ORIGINATED BY CHOW WANCHUNG DATE 2018-01-31
DRAWN BY XIE YIMING DATE 2018-01-31

TITLE 10/100BT MagJack® TAB DOWN, SHIELDED
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.X	UNIT : INCH [mm]
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.XXX	SIZE : A4

REV. : PA	PAGE : 3
	

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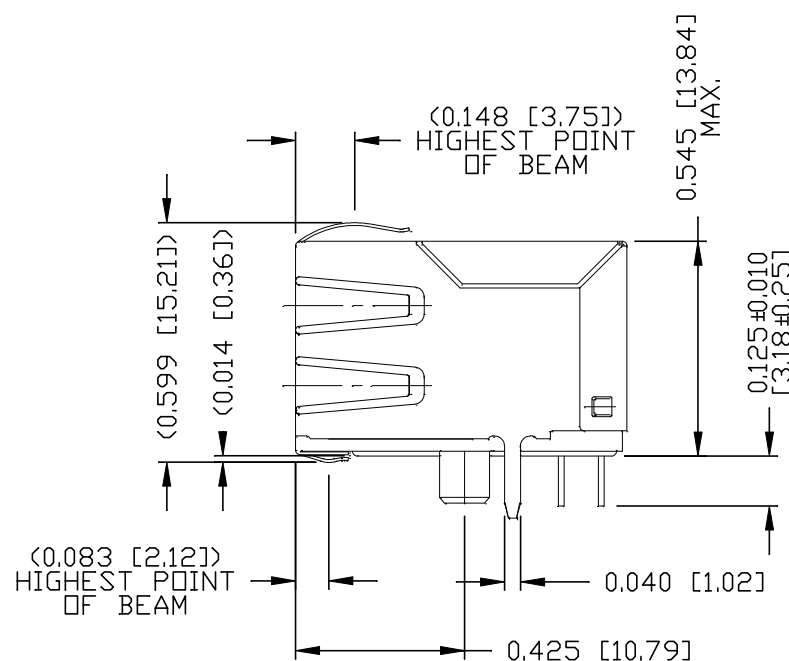
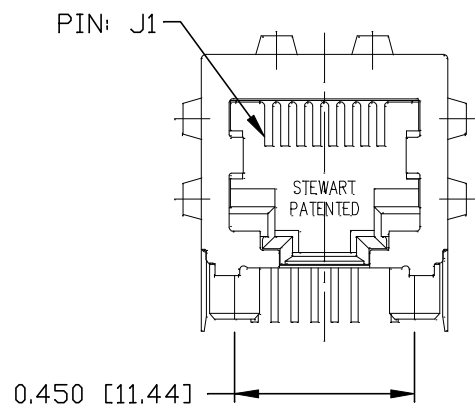
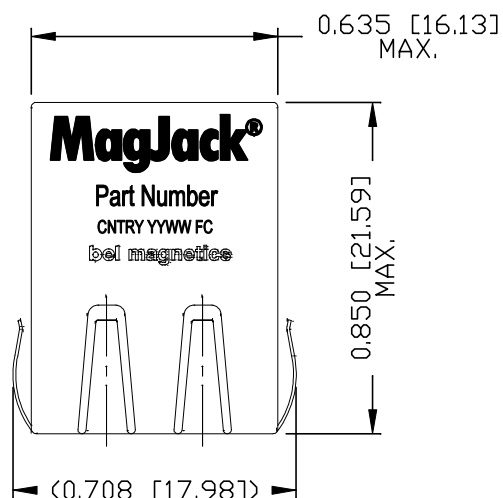
PRELIMINARY

RoHS



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. THE PRODUCT IS RoHS COMPLIANT.
5. 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

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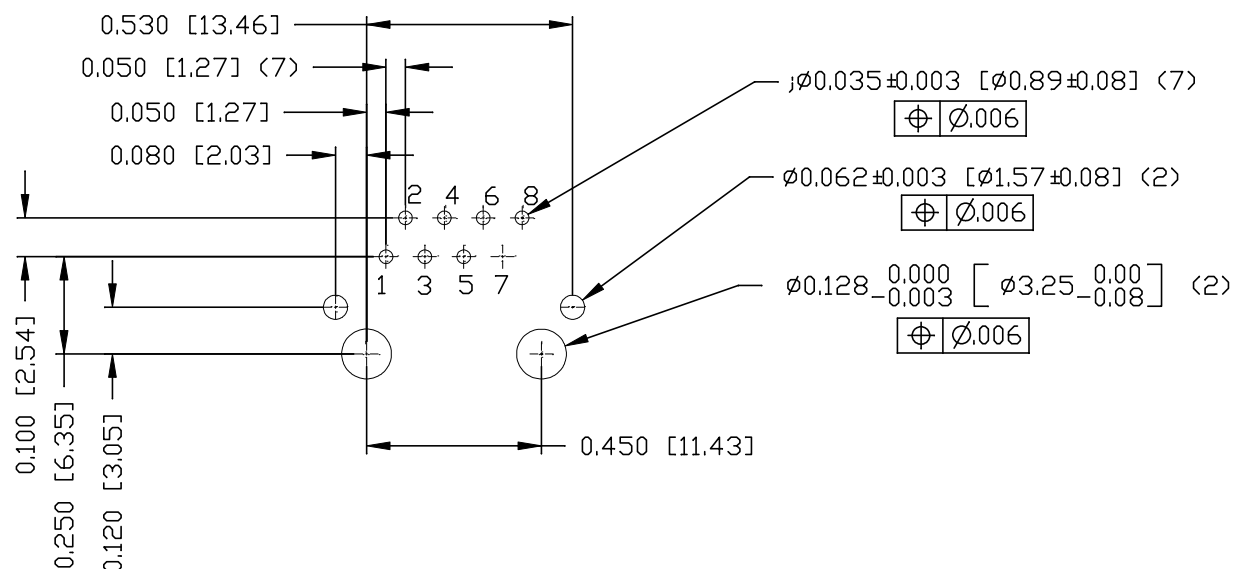
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PRELIMINARY

RoHS



PCB RECOMMENDED HOLE LAYOUT
(SEEN FROM COMPONENT SIDE)

ALL CENTERLINE DIMENSIONS ARE BASIC

ORIGINATED BY
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DRAWN BY
LIU DONGJUN
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REV. : PA PAGE : 5



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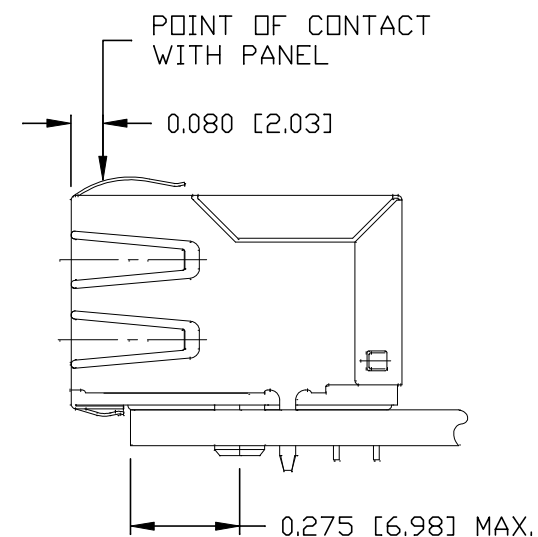
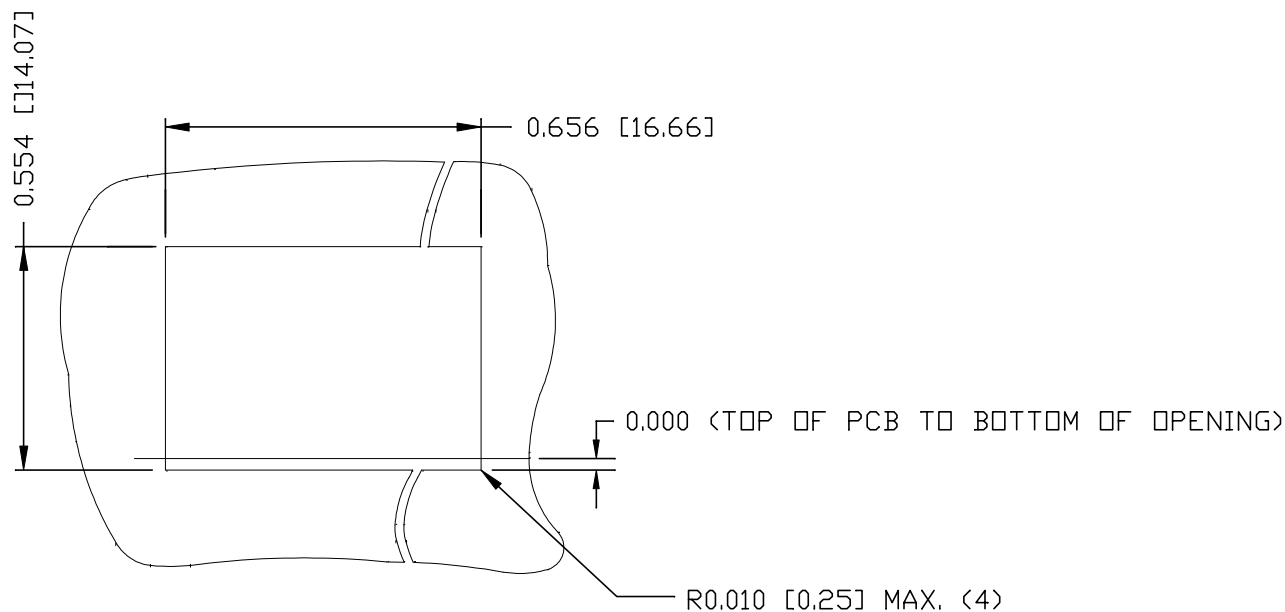
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SUGGESTED PANEL OPENING

PRELIMINARY

RoHS



NOTES:

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

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 .X .XX .XXX	[] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4	REV. : PA PAGE : 6
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