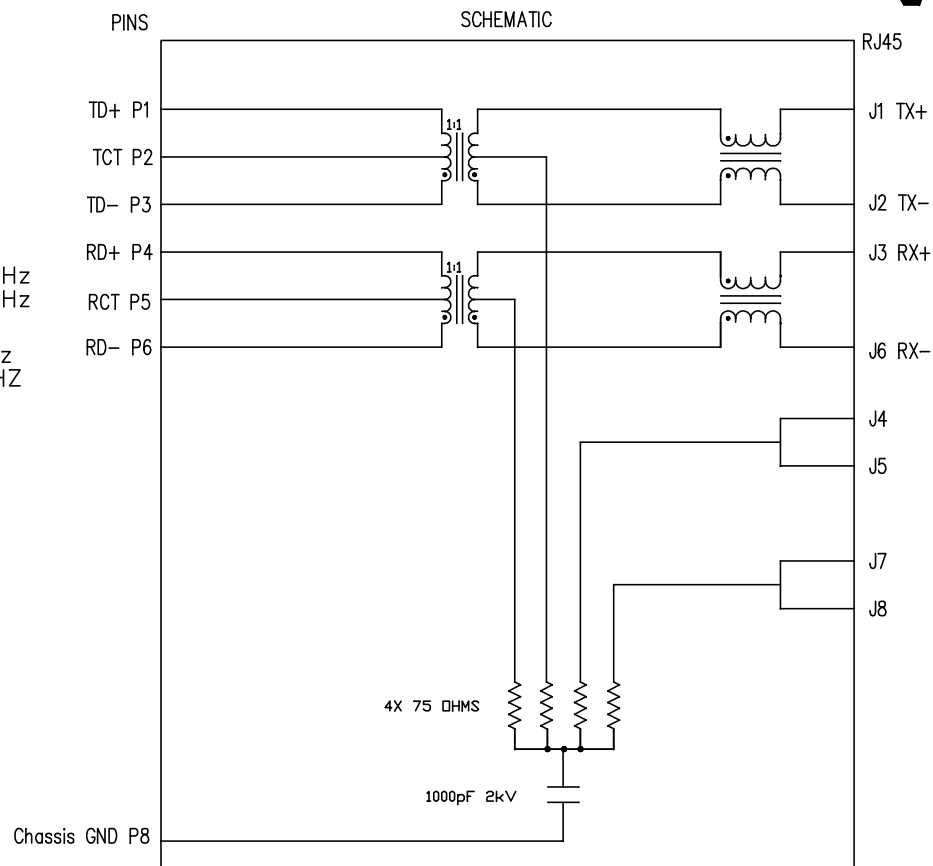




ELECTRICAL CHARACTERISTICS @ 25°C

- 1.0 TURNS RATIO: (P4-P5-P6) : (J3-J6) : 1CT : 1CT $\pm$ 3%
(P3-P2-P1) : (J2-J1) : 1CT : 1CT $\pm$ 3%
- 2.0 INDUCTANCE: (P4-P6) : 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) : 1.35 ohms Max.
- 6.0 RETURN LOSS:(P4-P6)=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 (J3-J6).
- 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: 1-100 MHz : 40 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP



NOTES: 1.0 UNUSED PIN P7 IS OMITTED.

REV. : B		PAGE : 2	
ORIGINATED BY CHOW WANCHUNG DATE 2018-01-31	TITLE 10/100BT MagJack® TAB UP, SHIELDED	PART NO. / DRAWING NO. SI-50170-F	STANDARD DIM. TOL. IN INCH
DRAWN BY XIE YIMING DATE 2018-01-31		FILE NAME SI-50170-F_B.DWG	[] METRIC DIM. AS REF.
			UNIT : INCH [mm]
			SCALE : N/A
			SIZE : A4





NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0

CONTACT/SHIELD: COPPER ALLOY

SHIELD PLATING: NICKEL OR TIN

CONTACT PLATING: 50 MICRO-INCH SELECTIVE HARD GOLD PLATING
 OR EQUIVALENT IN CONTACT AREA

2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.

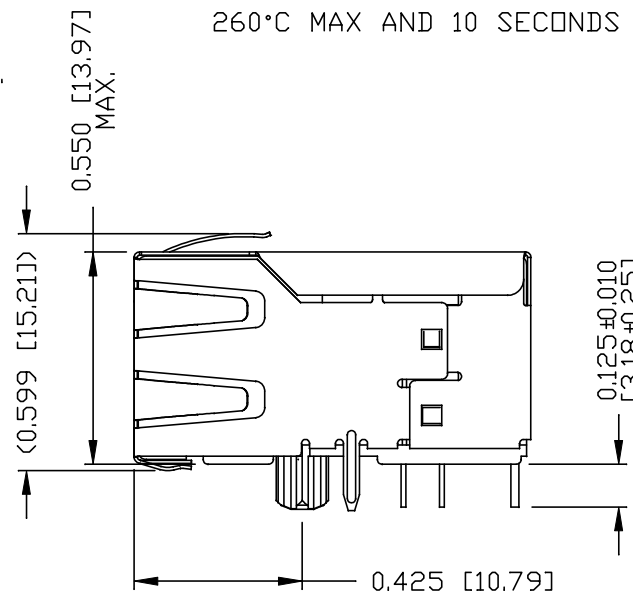
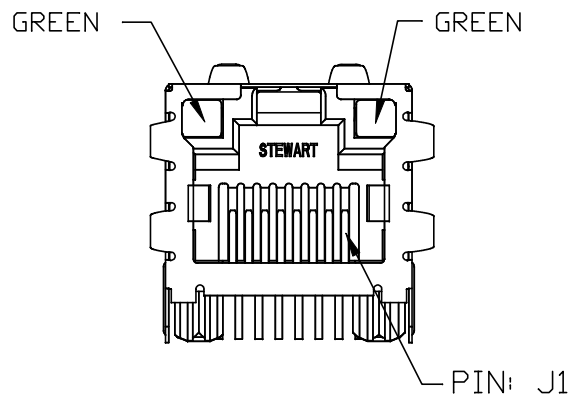
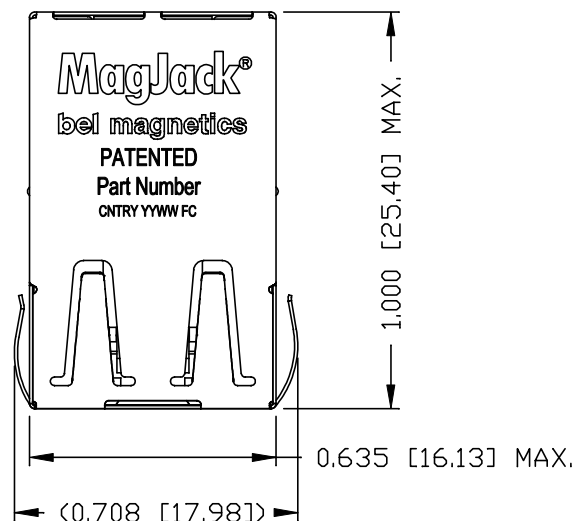
SEE ELECTRICAL DRAWING FOR OMITTED PINS.

3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.

4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

5. THE PRODUCT IS RoHS COMPLIANT.

6. 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 2018-01-31
 DRAWN BY
 LIU DONGJUN
 DATE 2018-01-31

TITLE
 10/100BT MagJack®
 TAB UP, SHIELDED

PART NO. / DRAWING NO.
 SI-50170-F
 FILE NAME
 SI-50170-F_B.DWG

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

REV. : B PAGE : 3

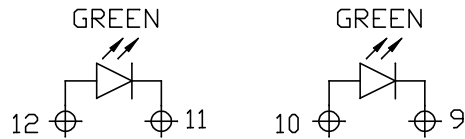


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RoHS



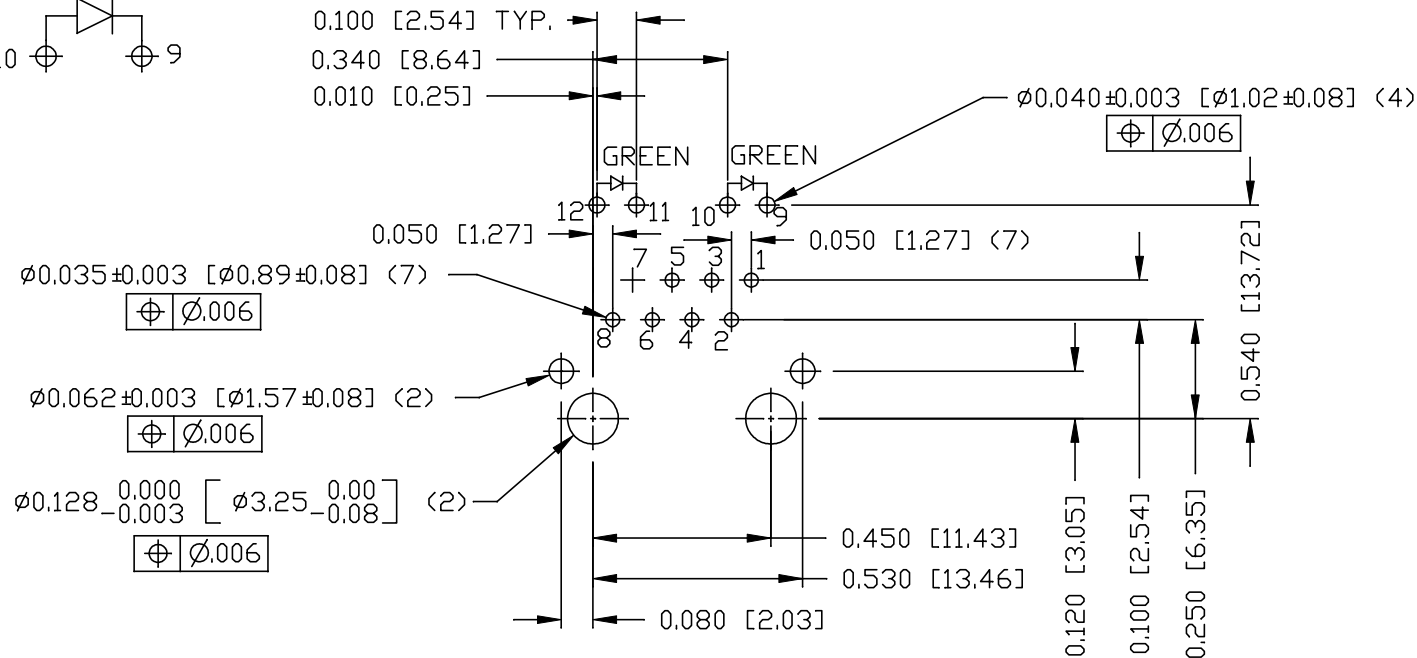
LED POLARITY



LED SPECIFICATION

STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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

ALL CENTERLINE DIMENSIONS ARE BASIC

ORIGINATED BY
ANTON LIAO
DATE 2018-01-31

DRAWN BY
LIU DONGJUN
DATE 2018-01-31

TITLE	DATE	BY	NO.	PRICE	REMARKS
1. The History of the United States	1876	Wm. H. Allen	101	50c	
2. The Principles of Geometry	1876	Wm. H. Allen	102	75c	
3. The Elements of Algebra	1876	Wm. H. Allen	103	75c	
4. The Principles of Trigonometry	1876	Wm. H. Allen	104	75c	
5. The Elements of Calculus	1876	Wm. H. Allen	105	75c	
6. The Principles of Mechanics	1876	Wm. H. Allen	106	75c	
7. The Elements of Statics	1876	Wm. H. Allen	107	75c	
8. The Principles of Dynamics	1876	Wm. H. Allen	108	75c	
9. The Elements of Optics	1876	Wm. H. Allen	109	75c	
10. The Principles of Acoustics	1876	Wm. H. Allen	110	75c	
11. The Elements of Pneumatics	1876	Wm. H. Allen	111	75c	
12. The Principles of Hydraulics	1876	Wm. H. Allen	112	75c	
13. The Elements of Meteorology	1876	Wm. H. Allen	113	75c	
14. The Principles of Astronomy	1876	Wm. H. Allen	114	75c	
15. The Elements of Cosmology	1876	Wm. H. Allen	115	75c	
16. The Principles of Geology	1876	Wm. H. Allen	116	75c	
17. The Elements of Zoology	1876	Wm. H. Allen	117	75c	
18. The Principles of Botany	1876	Wm. H. Allen	118	75c	
19. The Elements of Mineralogy	1876	Wm. H. Allen	119	75c	
20. The Principles of Chemistry	1876	Wm. H. Allen	120	75c	

10/100BT MagJack®
TAB UP, SHIELDED

PART NO. / DRAWING NO.
SI-50170-F

FILE NAME
SI-50170-F_B.DWG

STANDARD DIM.	
TOL. IN INCH	

4.x

.XX

XXV

1

 $\pm 0,005$

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

	SIZE : A4
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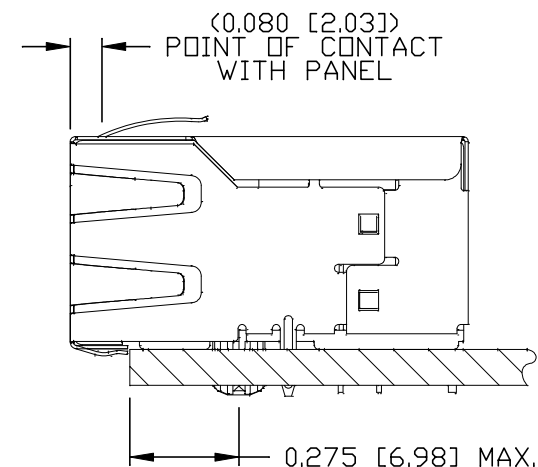
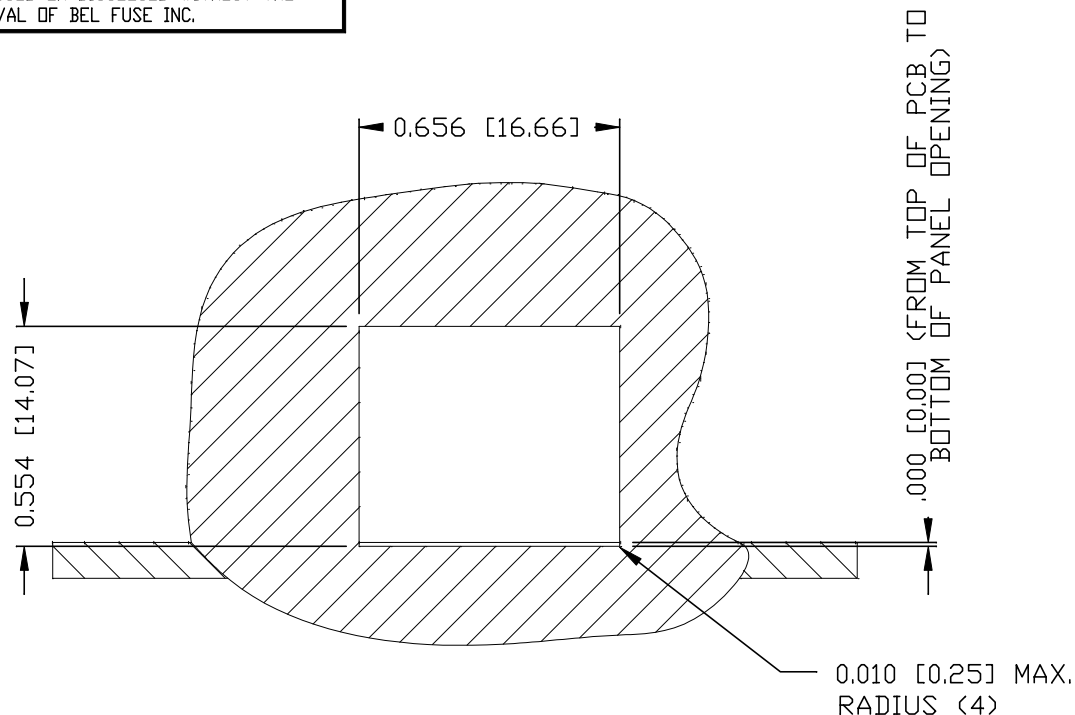
REV. : B

PAGE : 4



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RoHS



SUGGESTED PANEL OPENING

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 UP, SHIELDED

PART NO. / DRAWING NO.
SI-50170-F
FILE NAME
SI-50170-F_B.DWG

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

REV. : B	PAGE : 5
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a bel group