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RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE:

(P2-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
 (P4-P5) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
 (P7-P8) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
 (P9-P10) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS

2.0 TURNS RATIO:

(P2-P3):(J1-J2) : 1CT : 1CT ± 2%
 (P4-P5):(J3-J6) : 1CT : 1CT ± 2%
 (P7-P8):(J4-J5) : 1CT : 1CT ± 2%
 (P9-P10):(J7-J8) : 1CT : 1CT ± 2%

3.0 RETURN LOSS: 100 OHM REF.

500kHz TO 40MHz : -18dB MIN.
 40MHz TO 100MHz : -12+20LOG(f/80MHz) MIN.

4.0 INSERTION LOSS: RS=RL=100 OHMS

100kHz TO 100MHz : -1.2dB MAX.

5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4

1MHz TO 30MHz : -35dB MIN.
 30MHz TO 80MHz : -24dB MIN.
 80MHz TO 100MHz : -25dB MIN.

6.0 CM TO CM REJECTION:

100kHz TO 100MHz : -30dB MIN.

7.0 CM TO DM REJECTION:

100kHz TO 100MHz : -35dB MIN.

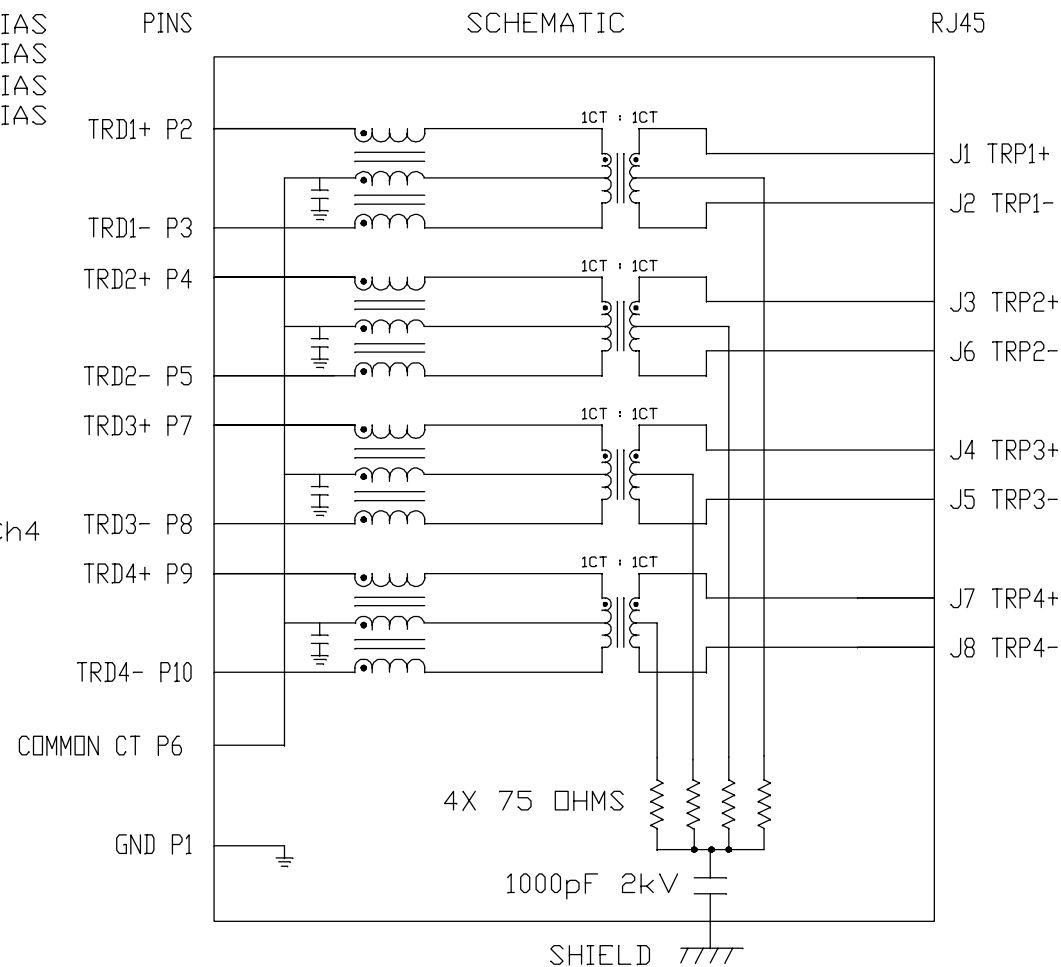
8.0 VOLTAGE WITHSTAND:

(J1,J2) TO (P2,P3) : 1500Vrms
 (J3,J6) TO (P4,P5) : 1500Vrms
 (J4,J5) TO (P7,P8) : 1500Vrms
 (J7,J8) TO (P9,P10) : 1500Vrms

9.0 THIS COMPONENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.

10.0 OPERATING TEMPERATURE:

0°C TO 70°C

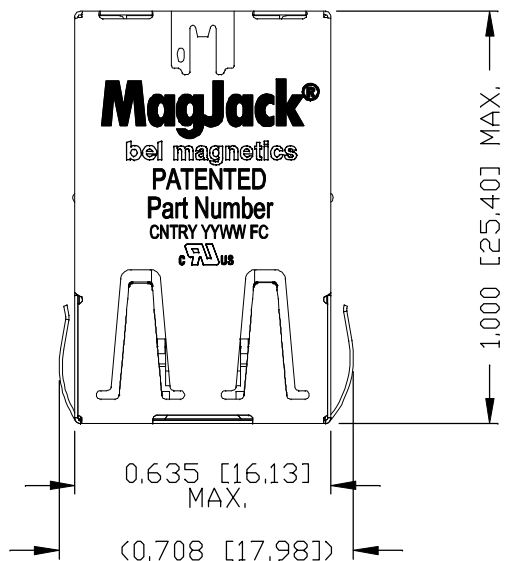


REV. : B PAGE : 2

<p>ORIGINATED BY CHOW WANCHUNG DATE 2019-04-22</p>	<p>TITLE MagJack® 10/100/1000 BT TAB UP, SHIELDED PATENTED</p>	<p>PART NO. / DRAWING NO. SI-51005-FB</p>	<p>STANDARD DIM. [] METRIC DIM. TOL. IN INCH AS REF.</p>	
<p>DRAWN BY XIE YIMING DATE 2019-04-22</p>	<p>FILE NAME SI-51005-FB_B.DWG</p>	<p>.X UNIT : INCH [mm] .XX SCALE : N/A .XXX SIZE : A4</p>		

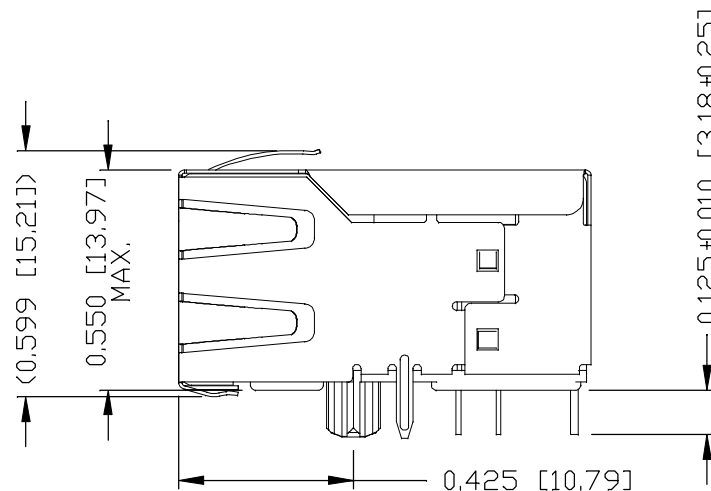
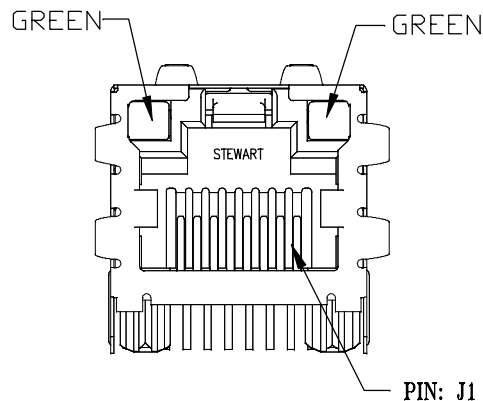
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NOTES:

- 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
- 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.
cULus 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.



REV. :	B	PAGE :	3
		UNIT : INCH [mm]	
		SCALE : N/A	
		SIZE : A4	

ORIGINATED BY
SANDY LIN
DATE 2019-04-22

DRAWN BY
RUAN WENJUN
DATE 2019-04-22

TITLE
MagJack®
10/100/1000 BT
TAB UP, SHIELDED
PATENTED

PART NO. / DRAWING NO.
SI-51005-FB

FILE NAME
SI-51005-FB_B.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	
.XX	
.XXX	±0.005

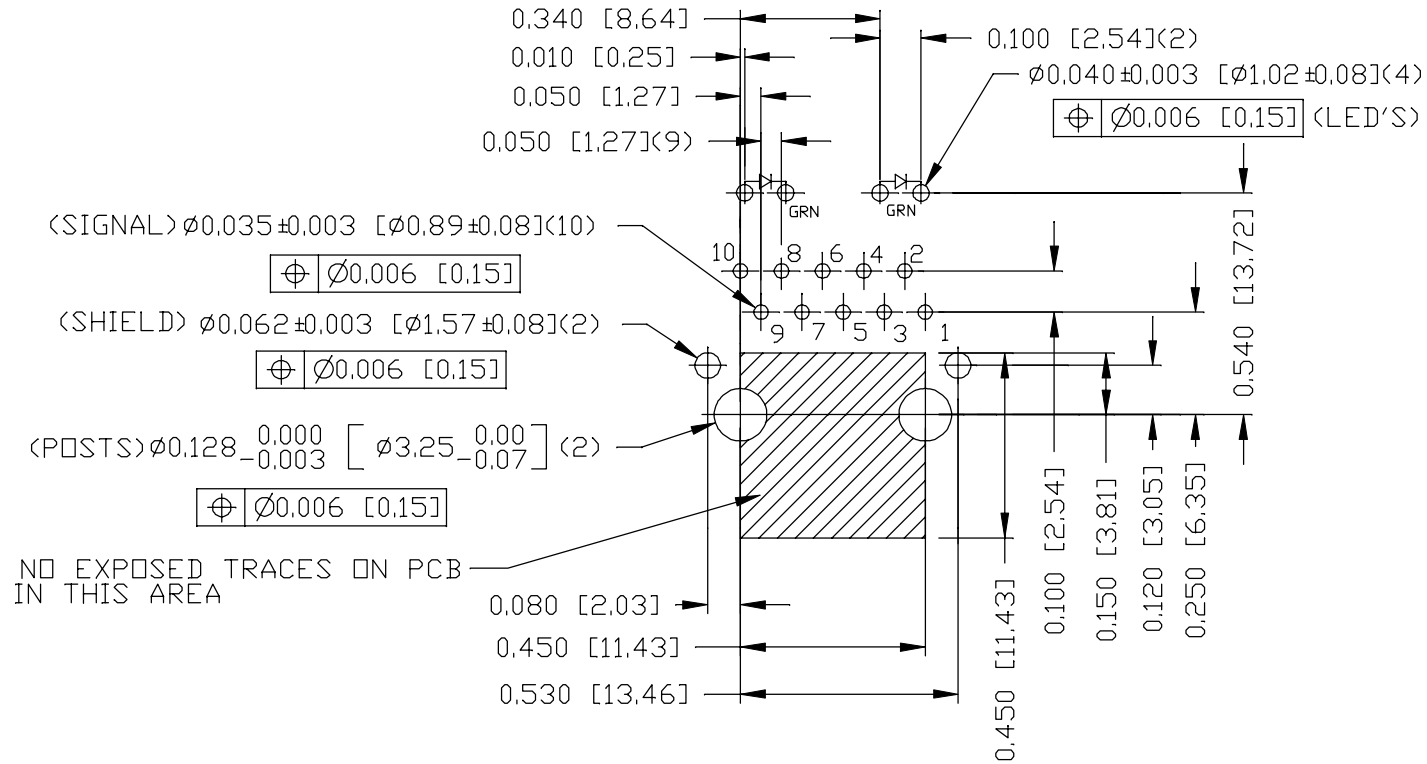
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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

REV. : B PAGE : 4

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10/100/1000 BT
TAB UP, SHIELDED
PATENTED

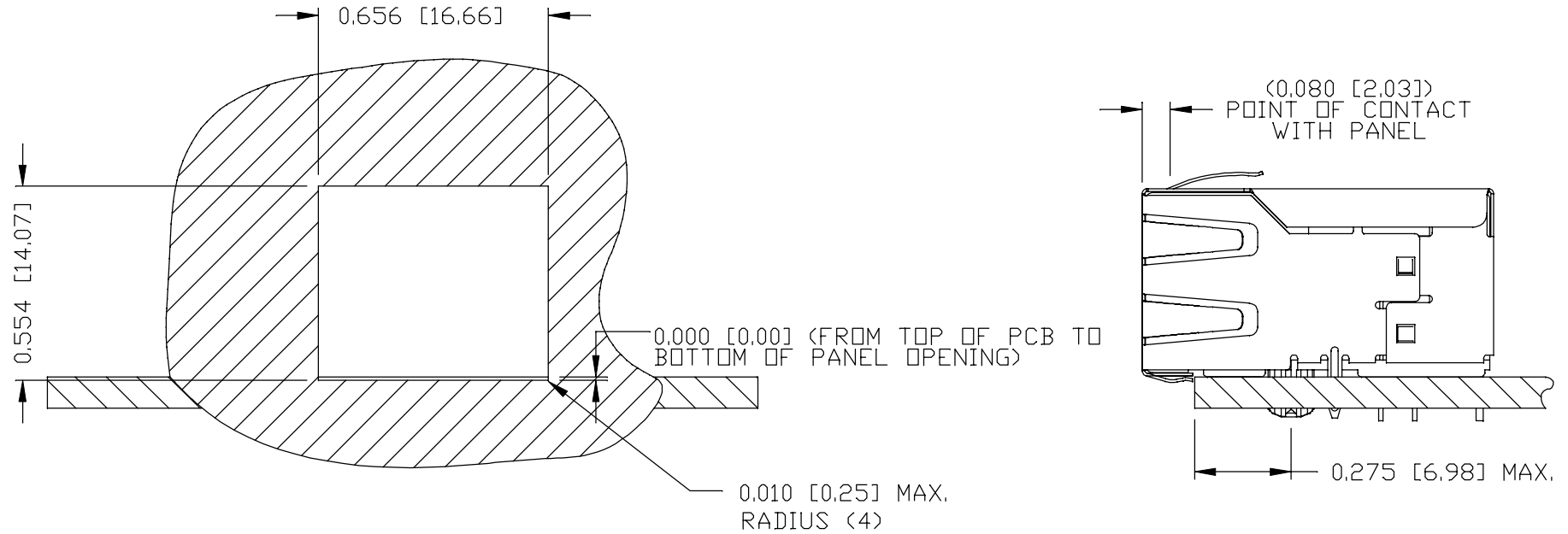
PART NO. / DRAWING NO.
SI-51005-FB
FILE NAME
SI-51005-FB_B.DWG

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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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.

REV. : B PAGE : 5

ORIGINATED BY
SANDY LIN
DATE 2019-04-22
DRAWN BY
RUAN WENJUN
DATE 2019-04-22

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TAB UP, SHIELDED
PATENTED

PART NO. / DRAWING NO.
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STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX ±0.005	SIZE : A4

