

## ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P4-P5-P6) : (J3-J6) : 1CT : 1CT ± 3%

(P3-P2-P1) : (J1-J2): 1CT : 1CT ± 3%

INDUCTANCE: (P4-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Blas (P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Blas

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 NOTES:

(P3,P2,P1) T0 (J2,J1) : 30pf MAX, @ 1MHZ

5.0 DC RESISTANCE:(J6-J3)=(J2-J1) : 1.35 ohms Max.

1.0 COMPLIES WITH THE EUROPEAN DIRECTIVE 2002/95/EC, CALLING FOR THE ELIMINATION OF LEAD AND OTHER HAZARDOUS SUBSTANCES FROM ELECTRONIC PRODUCTS.

						REV. :	1	PAGE:	2
CHOW WANCHUNG	TITLE	PART NO. / DRAWING NO. SI-80025-F	STANDARD DIM. [ ] METRIC DIM. TOL. IN INCH AS REF.						
DATE 2020-11-16  DRAWN BY	10/100 BT MagJack <sup>®</sup>	FILE NAME	.x		UNIT : INCH [mm]			MAC SOL	INETIC UTIONS
XIE YIMING	TAB UP, SHIELDED	SI-80025-F_1.DWG	.XX		SCALE : N/A		a bel grou		
DATE 2020-11-16			.XXX		SIZE : A4				

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6.0 RETURN LOSS:(P4-P6)=100 OHMS AND (P1-P3)=100 OHM REF.

1MHz T□ 30MHz : 18dB MIN. 60MHz T□ 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J3-J6),

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

100KHz T□ 100MHz : 1.1 dB MAX

9.0 RISE TIME: RS=100 DHMS AND RL = 100 DHMS

DUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX PULSE WIDTH= 112nS : 3.0 nS MAX

10,0 CROSS TALK: 1-100 MHz : 33 dB MIN

11.0 COMMON TO COMMON MODE ATTENUATION; 30MHz TO 100MHz : 33dB MIN

12.0 OPERATING TEMPERATURE RANGE: 0°C TO +70°C

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THE INFORMATION CONTAINED HEREIN IS CONSIDERED RoHS 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE PRELIMINARY WRITTEN APPROVAL OF BEL FUSE INC. NOTES: 1. CONNECTOR MATERIALS: MAX. HOUSING: THERMOPLASTIC UL94 V-0 bel magnetics **PATENTED** 40] CONTACT/SHIELD: COPPER ALLOY Part Number SHIELD PLATING: NICKEL OR TIN CNTRY YYWW FC [25, CONTACT PLATING: 15 MICRO-INCH SELECTIVE HARD GOLD PLATING c Tallus OR EQUIVALENT IN CONTACT AREA, 000 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. c Nus UL RECOGNIZED - FILE #E474585. 0.635 [16.13] MAX. 5. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 0,550 [13,97] MAX, 🗕 0.708 [17.98] 🗕 260°C MAX AND 10 SECONDS MAX. GREEN GREEN 125±0,010 ,18±0,25] 21]  $\overline{\Omega}$ 599 Ö -PIN: J1 0,425 [10,79] PAGE: REV. : ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. SANDY LIN AS REF. TOL. IN INCH SI-80025-F **DATE** 2020-11-16

RUAN WENJUN DATE

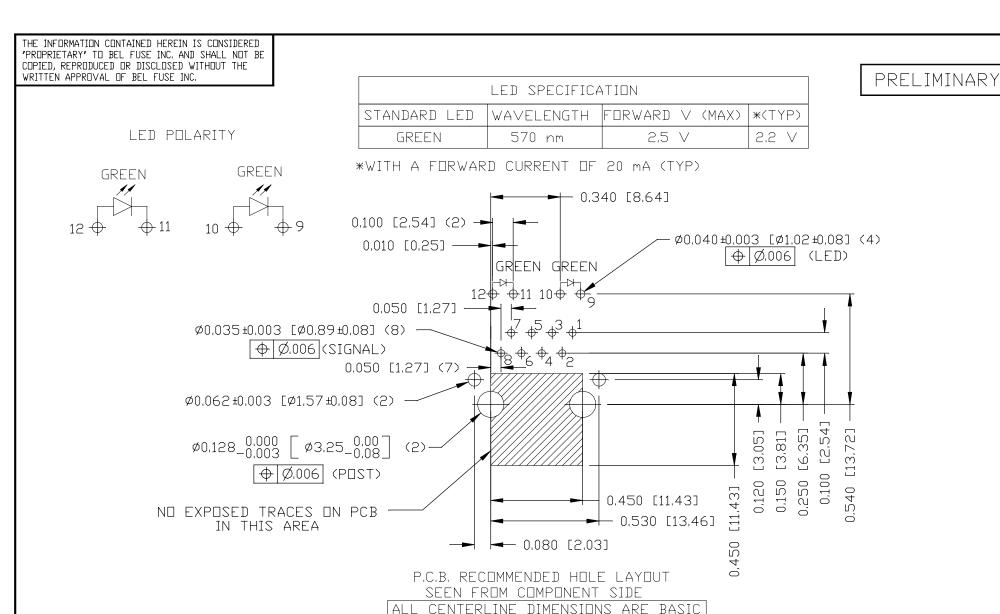
DRAWN BY 2020-11-16 10/100 BT MagJack<sup>®</sup> TAB UP, SHIELDED

FILE NAME SI-80025-F 1.DWG

UNIT : INCH [mm] SCALE: N/A .XX SIZE : A4 ±0,005

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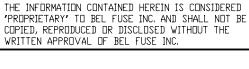
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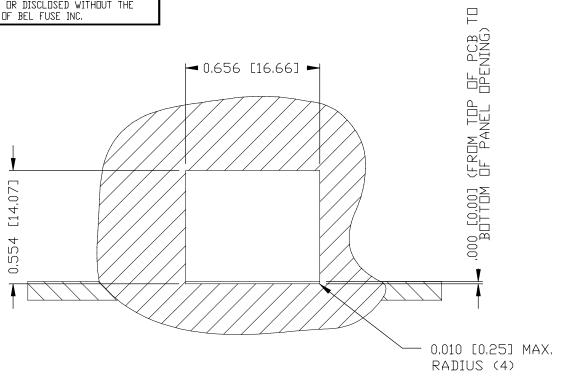
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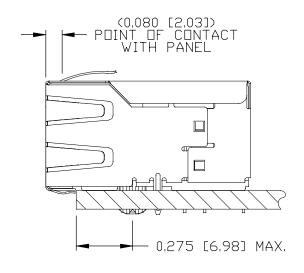
RoHS











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.

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SANDY LIN	40 (400 BT N	SI-80025-F	TOL.	IN INCH	AS REF.	l
DATE 2020-11-16	10/100 BT MagJack <sup>®</sup>		X		UNIT : INCH [mm]	l
drawn by Ruan wenjun	TAB UP, SHIELDED	FILE NAME	.XX		SCALE : N/A	ĺ
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