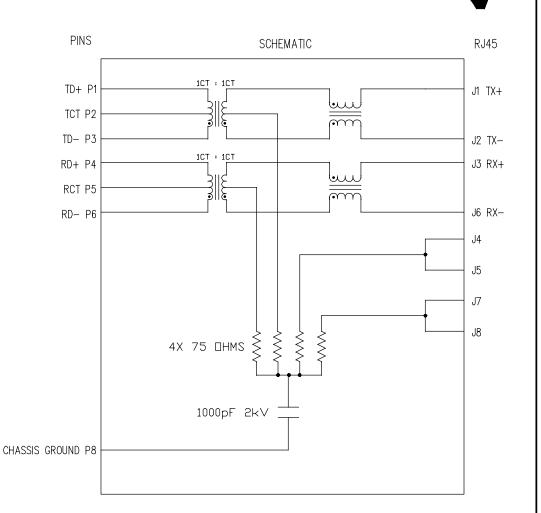
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ELECTRICAL CHARACTERISTICS @ 25°C

$1 \text{ 0 TURNS RATIO} (P6_P5_P4) \cdot (16_13)$	·1CT · 1CT + 39
1.0 TURNS RATIO: (P6–P5–P4) : (J6–J3) (P3–P2–P1) : (J2–J1)	:1CT : 1CT ± 3%
2.0 INDUCTANCE: (P6-P4) : 350uH MIN. @ 0.1V, 100K (P3-P1) : 350uH MIN. @ 0.1V, 100K	Hz, 8mA DC Bias Hz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT) P3-P1 (WITH J2 AND J1 SHORT)	:0.3uH MAX. @ 1MHz :0.3uH MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) (P3,P2,P1) TO (J2,J1)	:30pF MAX. @ 1MHz :30pF MAX. @ 1MHZ
5.0 DC RESISTANCE: $(J6-J3)=(J2-J1)$:1.2 ohms Max.
6.0 RETURN LOSS: (P6-P4)=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 (J6-J3).	
7.0 VOLTAGE 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: 1MHz TO 100MHz	:40 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION:	
30MHz TO 100MHz	: 35dB TYP

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



NOTES: 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

						REV. :	С	1
CHOW WANCHUNG	TITLE MagJack [®]	PART NO. / DRAWING NO. SI-46001-F		ARD DIM. IN INCH	[] METRIC DIM. AS REF.	155.		
DATE 2018-12-03	10/100BT		- v		UNIT : INCH [mm]			
drawn by XIE YIMING	VERTICAL, SHIELDED	FILE NAME	.XX	/	SCALE : N/A		a bel grou	
DATE 2018-12-03		SI-46001-F_C.DWG	.XXX		SIZE : A4		a 50 gioq	_

bel magnetic a bel group

PAGE :

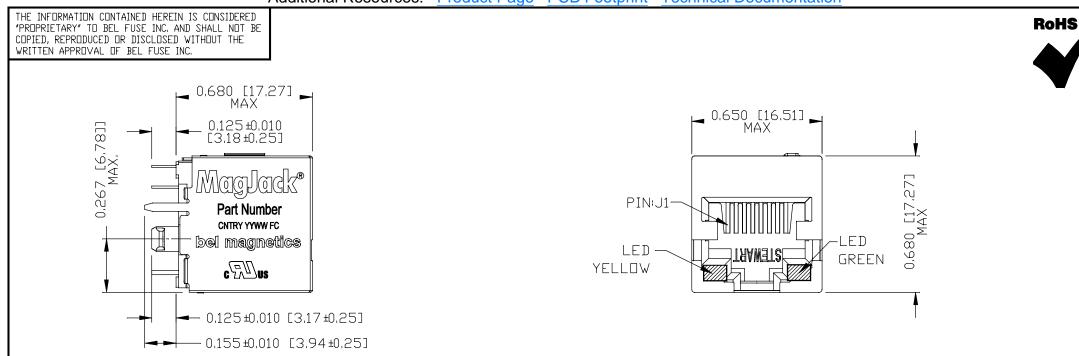
2

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RoHS





NDTES:

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, ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0,005 [0,13],

- 5, THE PRODUCT IS ROHS COMPLIANT,
 - cNUs UL RECOGNIZED FILE #E474585.
- 6. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

						REV. :	С	PAGE :	3
SANDY LIN	TITLE MagJack [®]	PART NO. / DRAWING NO. SI-46001-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		h	bol	
DATE 2018-12-03 DRAWN BY RUAN WENJUN	10/100BT Vertical, shielded	FILE NAME	.X .XX		UNIT : INCH [mm] SCALE : N/A		a bel grou	SOI	GNETIC LUTIONS
DATE 2018-12-03		SI-46001-F_C,DWG	.XXX	±0,005	SIZE : A4			Þ	

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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 WRITTEN APPROVAL OF BEL FUSE INC. LED SPECIFICATION WAVELENGTH FORWARD V (MAX) LED COLOR *(TYP) 2,5 V 2,2 V GREEN 565 nm 590 nm 2,5 V 2,1 V YELLOW 0,100 [2,54] *WITH A FORWARD CURRENT OF 20 mA (TYP) 0.153 [3.89] 0.250 [6.35] [4,11] 0.050 [1.27] ---0,162 0.050 [1.27](7) 4 68 Ø0.035±0.003 [Ø0.89±0.08] (8) $\oplus \oplus \oplus$ ⊕ Ø0,006 PIN #1 Φ \oplus Φ Ø0,062±0,003 [Ø1,57±0,08] (2) Ĵ. 5 Ð \oplus \oplus Ø0,006 \oplus +HH GREEN YELLOW GRN YEL ⊕ \oplus -134 \oplus 12 11 10 9 Ø0,125^{+0,003} [Ø3,18^{+0,08}] (2) 0,024 [0,61] --PIN-OUT INFORMATION 0.374 [9.50] -⊕ Ø0,006 (SEEN FROM COMPONENT SIDE) 0,100 [2,54] (2) -0,450 [11,43] -Ø0,040±0,003 [Ø1,02±0,08] (4) 0,535 [13,59] ⊕ Ø0,006 P.C.B. RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE ALL CENTERLINE DIMENSIONS ARE BASIC, С PAGE : 4 REV. : ORIGINATED BY PART NO. / DRAWING NO. TITLE [] METRIC DIM. STANDARD DIM SANDY LIN MagJack® AS REF. TOL. IN INCH SI-46001-F 2018-12-03 DATE MAGNETIC UNIT : INCH [mm] .X 10/100BT SOLUTIONS DRAWN BY FILE NAME SCALE : N/A RUAN WENJUN VERTICAL, SHIELDED .XX a bel group SI-46001-F_C,DWG 2018-12-03 SIZE : A4 DATE \oplus .XXX ±0,005

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