



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

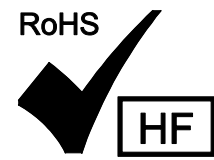
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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PRELIMINARY



LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
-	+	GREEN	-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
RX 1CT : 1

□CL @ 100kHz/100mVRMS (0-70°C)
8mA DC BIAS 350µH MIN.

INS. LOSS
0.1MHz TO 1MHz -1.1 dB MAX
1MHz TO 65MHz -0.5 dB MAX
65MHz TO 100MHz -0.8 dB MAX
100MHz TO 125MHz -1.2 dB MAX

RET. LOSS (MIN) @ 100 □HMS +/-15%
0.5MHz-40MHz -18 dB
40MHz-100MHz -12+20LOG(f/80MHz) dB

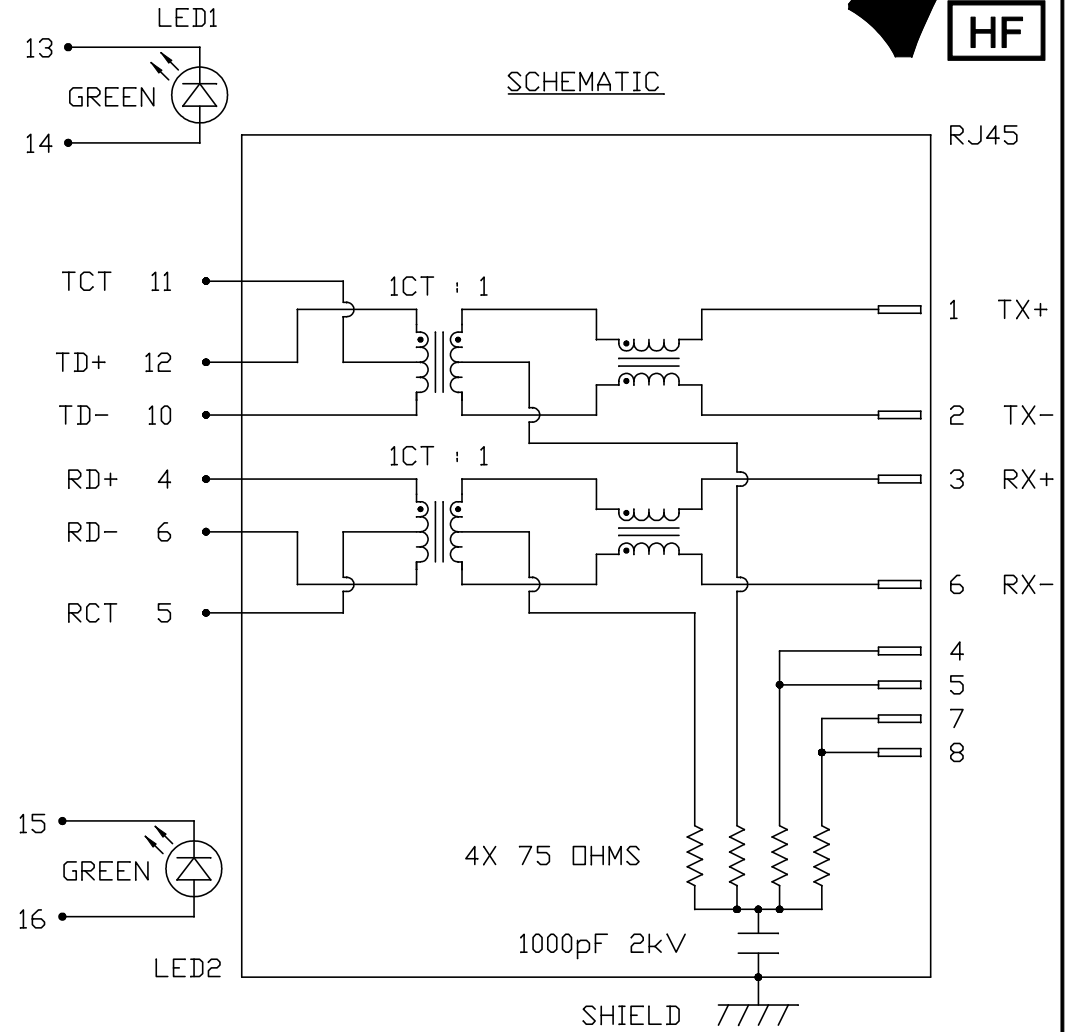
CM TO CM REJ
100kHz - 100MHz -30 dB MIN

CM TO DM REJ
100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 & LED 2
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY
CHOW WANCHUNG
DATE 2017-06-20
DRAWN BY
XIE YIMING
DATE 2017-06-20

TITLE
10/100 MagJack®
(NanoJack)
L8BE-1G1T-91A
PATENTED

PART NO. / DRAWING NO.
L8BE-1G1T91A
FILE NAME
L8BE-1G1T91A_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

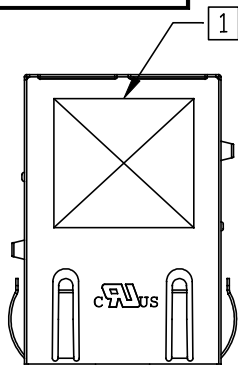
bel MAGNETIC SOLUTIONS
a bel group

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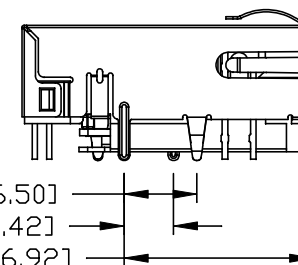
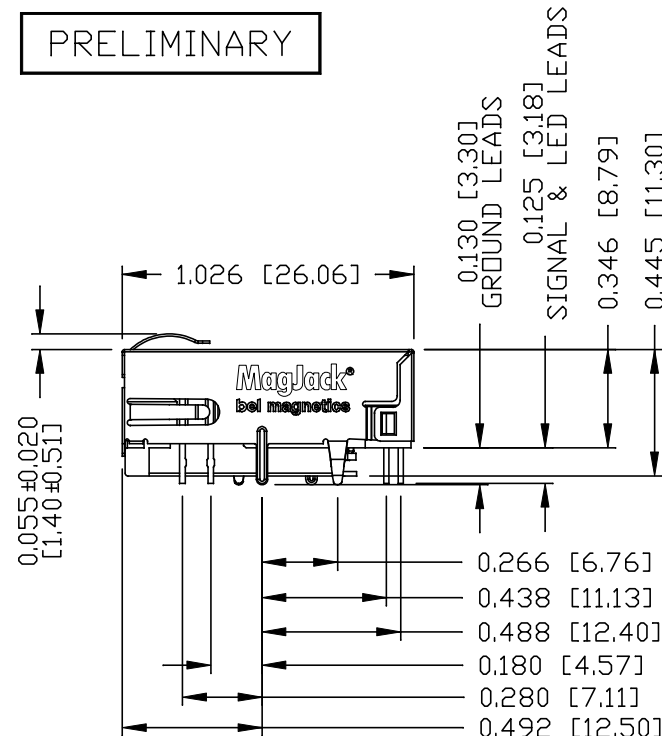
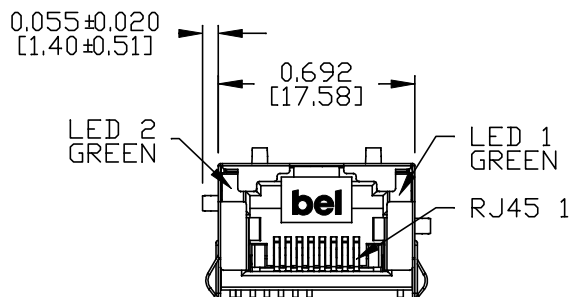
MECHANICAL SPECIFICATION

PRELIMINARY

RoHS



TOP VIEW



LEFT VIEW

NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0,018 INCH.
- METAL SHIELD: 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
- (ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND "PATENTED" MARKING.
2. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
4. THE PRODUCT IS RoHS COMPLIANT AND HALOGEN FREE.

UL RECOGNIZED - FILE #E196366 AND E169987.

5. THE PART IS COMPLIANT WITH WAVE SOLDERING AND IR REFLOW.
FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.
FOR IR REFLOW, THE SUGGESTED PEAK IR REFLOW CONDITION IS 245°C MAX AND 30 SECONDS MAX.

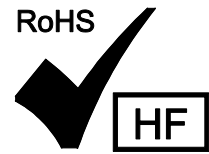
REV. : PA PAGE : 3

ORIGINATED BY ANTON LIAO DATE 2017-06-20	TITLE 10/100 MagJack® (NanoJack) L8BE-1G1T-91A PATENTED	PART NO. / DRAWING NO. L8BE-1G1T91A	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.		
		FILE NAME L8BE-1G1T91A_PA.DWG	.X	UNIT : INCH [mm]		
			.XX	SCALE : N/A		
DRAWN BY LIU DONGJUN DATE 2017-06-20			.XXX	±0.010		SIZE : A4

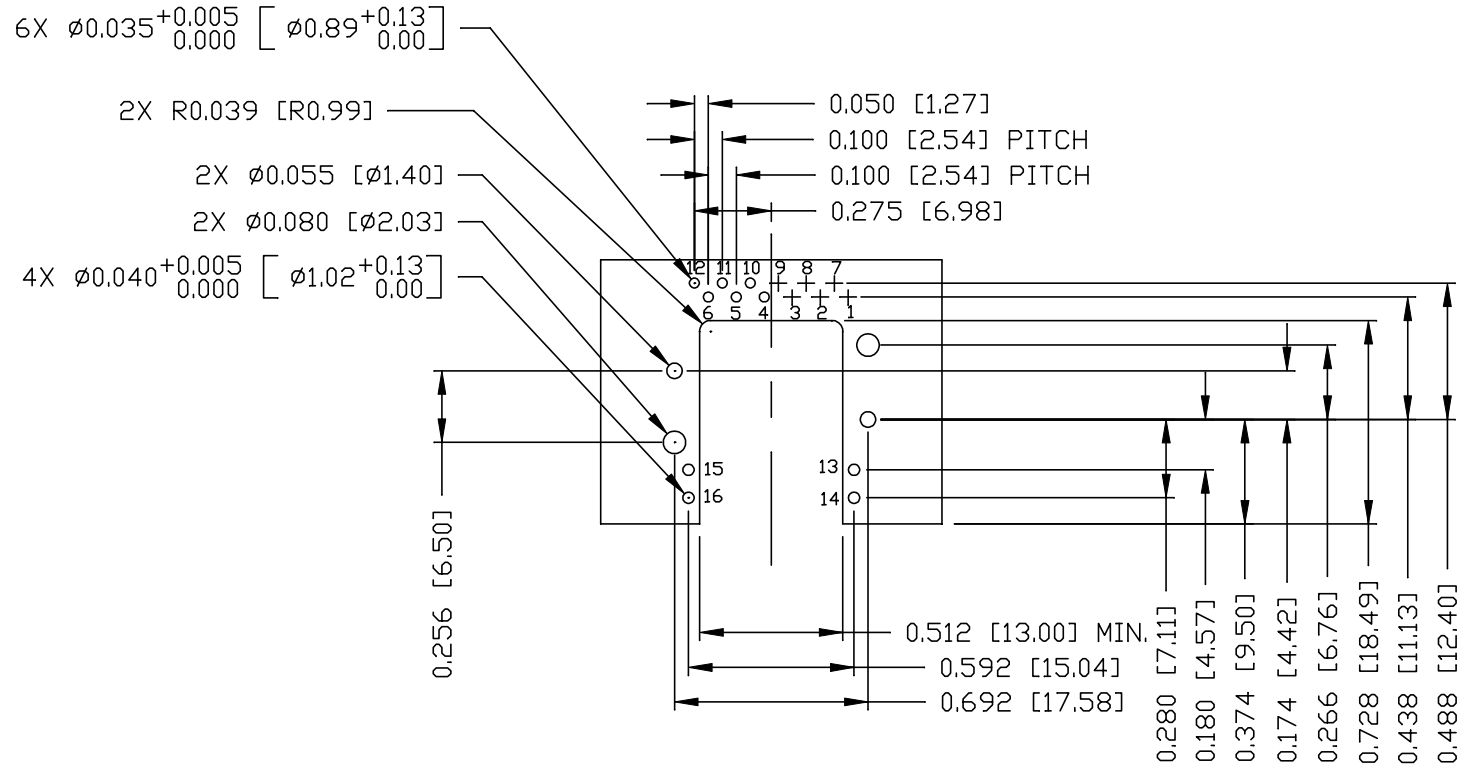


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PRELIMINARY



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

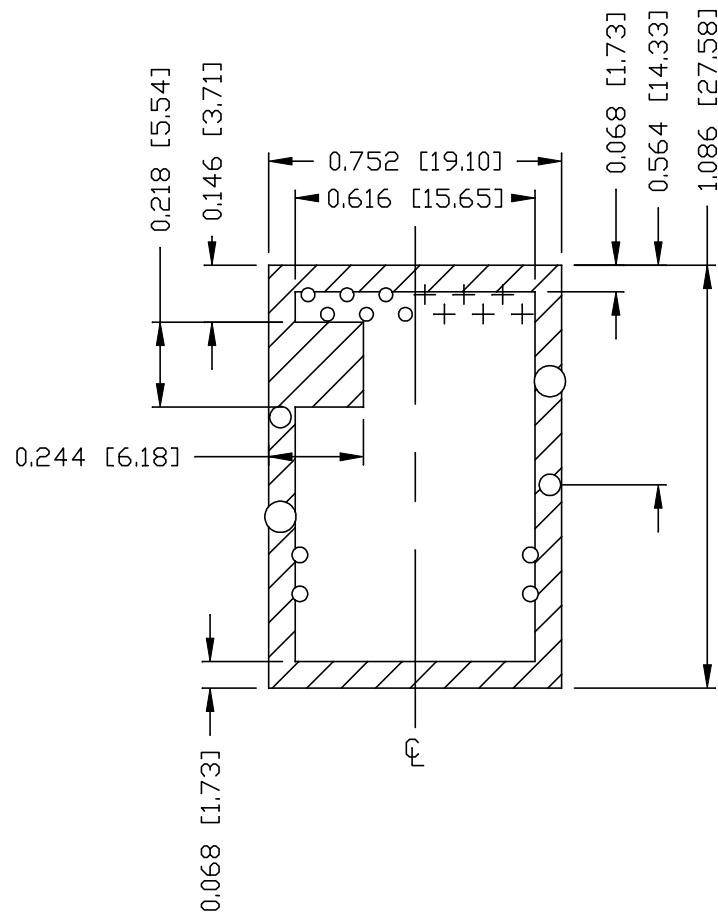


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ORIGINATED BY ANTON LIAO DATE 2017-06-20	TITLE 10/100 MagJack® (NanoJack) L8BE-1G1T-91A PATENTED	PART NO. / DRAWING NO. L8BE-1G1T91A	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	 a bel group
		FILE NAME L8BE-1G1T91A_PA.DWG	.X	UNIT : INCH [mm]	
DRAWN BY LIU DONGJUN DATE 2017-06-20		.XX	SCALE : N/A		
		.XXX	±0.004	SIZE : A4	

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NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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.XXX	±0.004	SIZE : A4

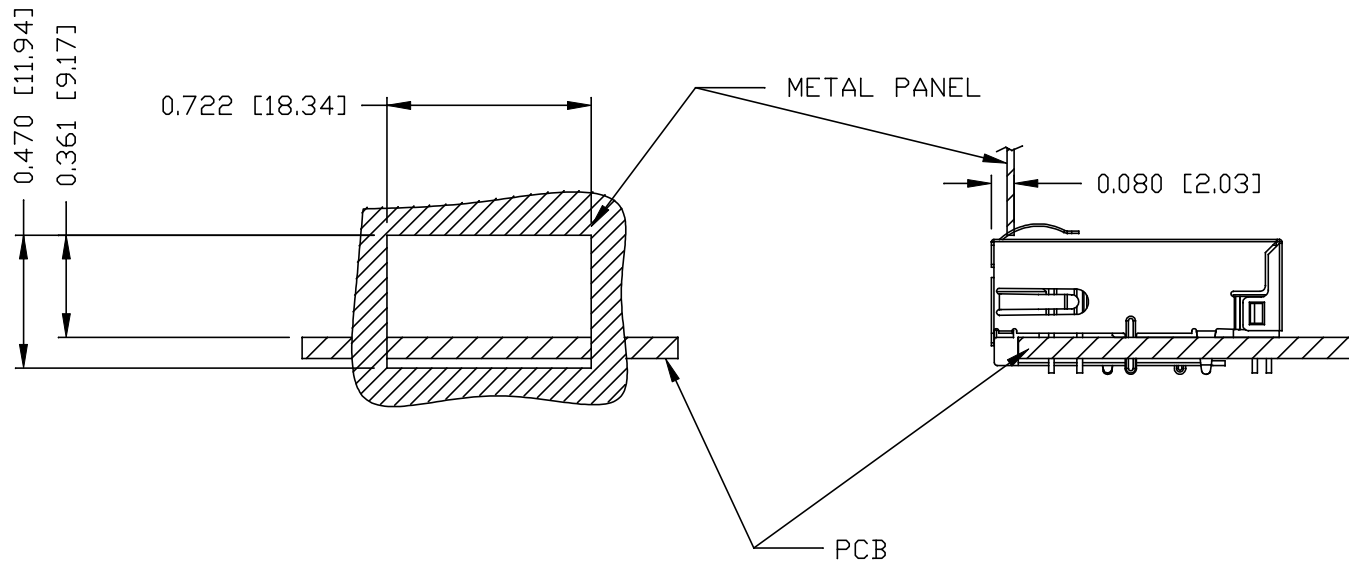


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SUGGESTED PANEL OPENING



NOTES:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200M9999-C0 (TOP)
0200M9999-C1 (BOTTOM)

PACKING QUANTITY : 54 PCS FINISHED GOODS PER TRAY
11 TRAYS (594 PCS FINISHED GOODS) PER CARTON BOX

NOTER: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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.XXX	±0.004	SIZE : A4

