



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

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

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RoHS



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

CL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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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 OHMS +/-15%

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

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

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

1500 Vrms

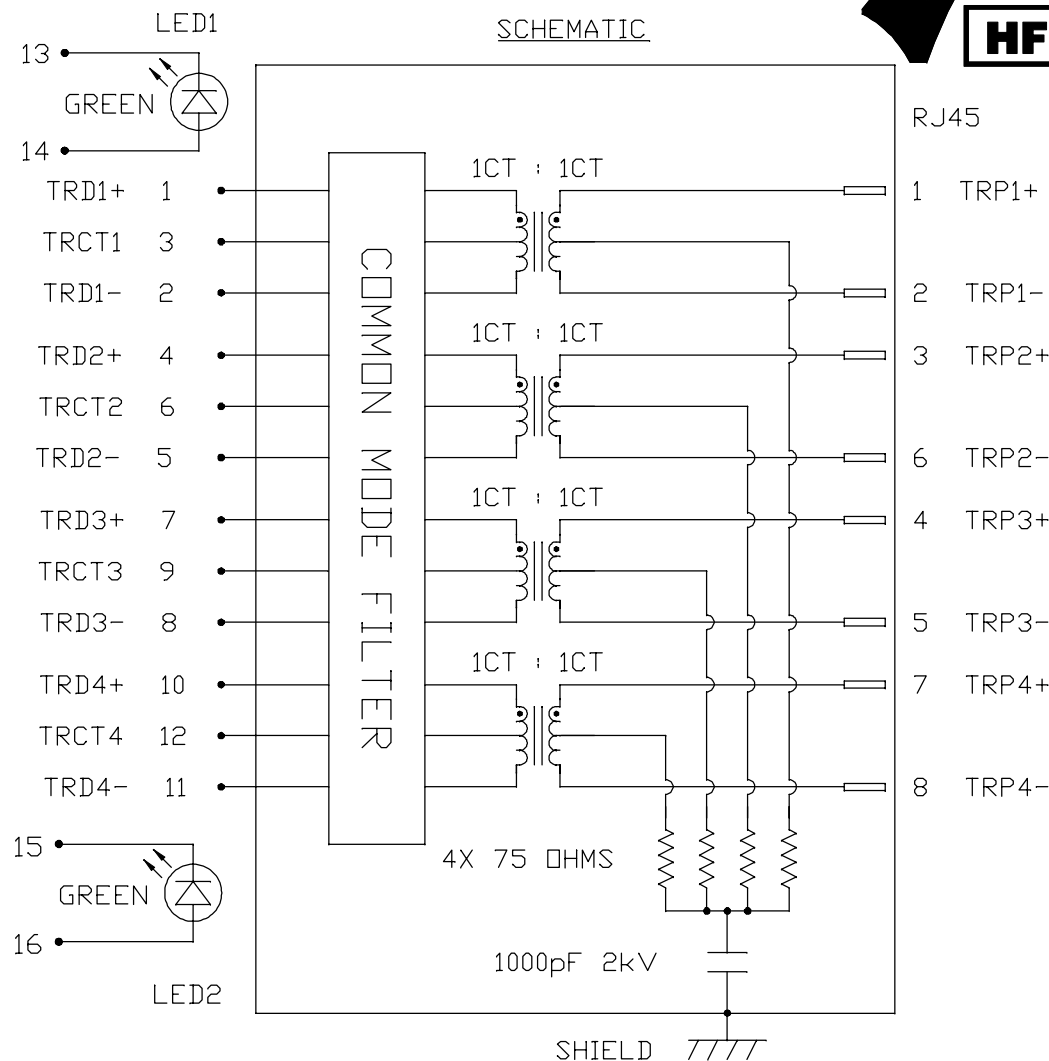
100% OF PRODUCTION TESTED TO COMPLY WITH

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 2017-02-27

TITLE
gigabit MagJack®
(NanoJack)
L8BE-1G1T-BFH
PATENTED

PART NO. / DRAWING NO.
L8BE-1G1TBFH
FILE NAME
L8BE-1G1TBFH_A.DWG

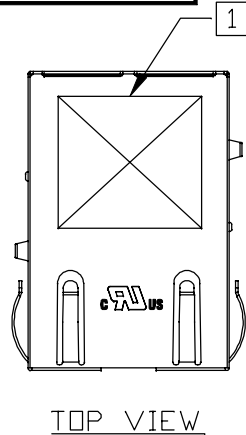
STANDARD DIM.
TOL. IN INCH
[] METRIC DIM.
AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : A PAGE : 2

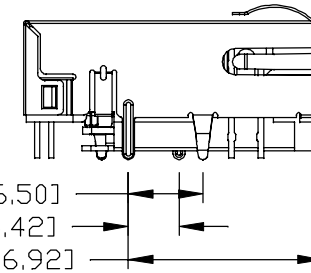
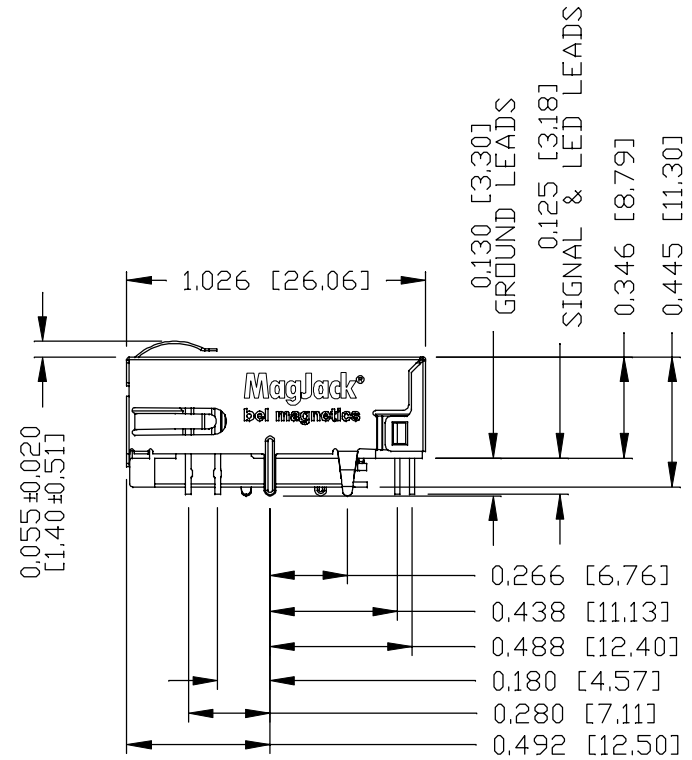
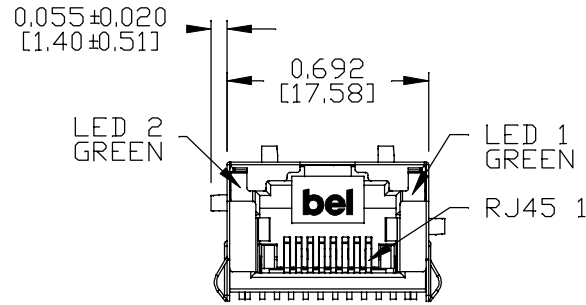


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MECHANICAL SPECIFICATION



TOP VIEW



LEFT VIEW

NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT,
30 MICRO-INCH MIN NICKEL UNDERPLATE.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

cULus UL RECOGNIZED - FILE #E196366 AND E169987.

- 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.

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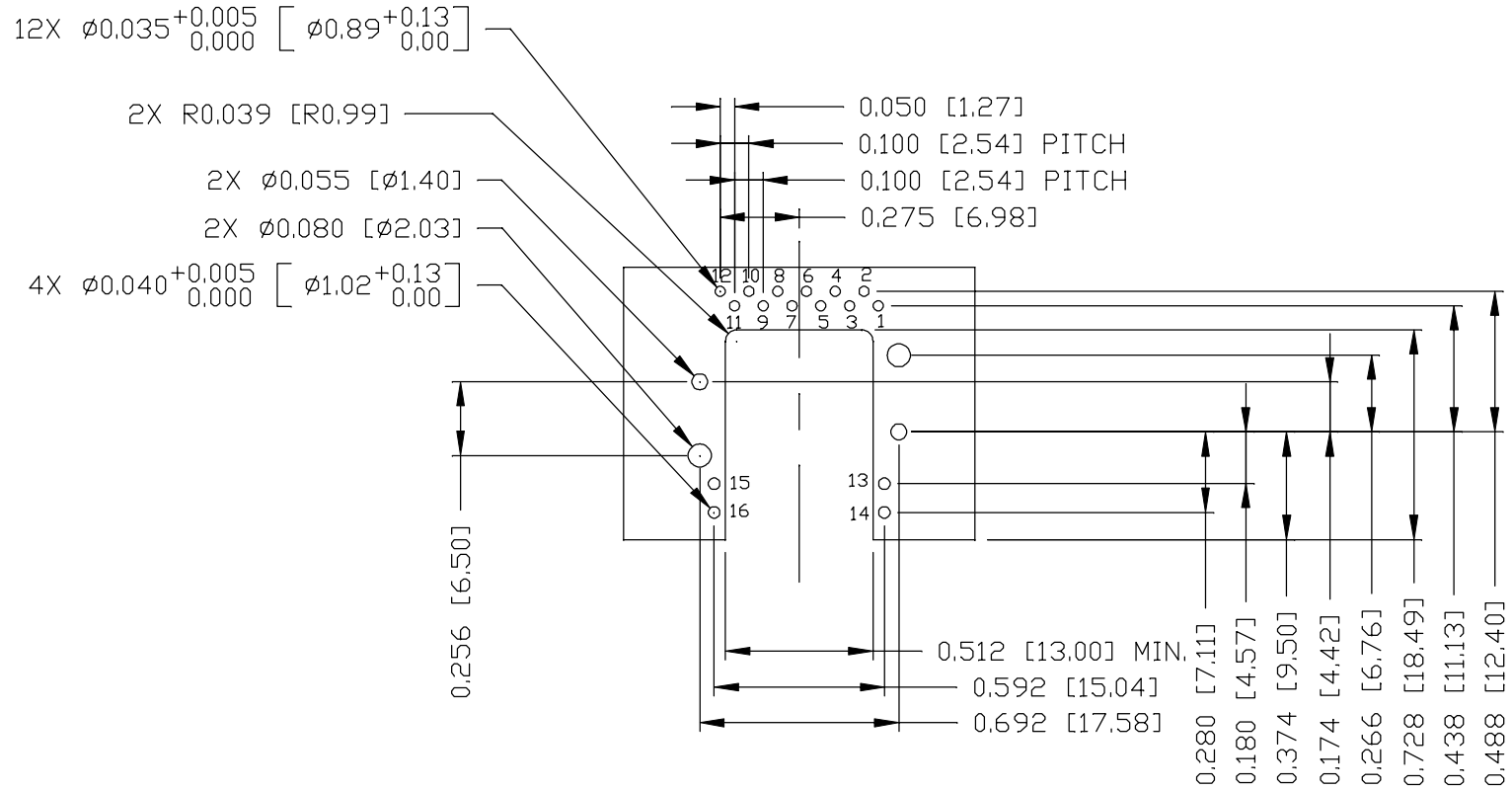
ORIGINATED BY ANTON LIAO DATE 2017-02-27	TITLE gigabit MagJack® (NanoJack) L8BE-1G1T-BFH PATENTED	PART NO. / DRAWING NO. L8BE-1G1TBFH	STANDARD DIM.		[] METRIC DIM. AS REF.
			TOL. IN INCH		
DRAWN BY LIU DONGJUN DATE 2017-02-27		FILE NAME L8BE-1G1TBFH_A.DWG	.X		UNIT : INCH [mm]
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



REV. : A PAGE : 4

ORIGINATED BY
ANTON LIAO
DATE 2017-02-27

DRAWN BY
LIU DONGJUN
DATE 2017-02-27

TITLE
gigabit MagJack®
(NanoJack)
L8BE-1G1T-BFH
PATENTED

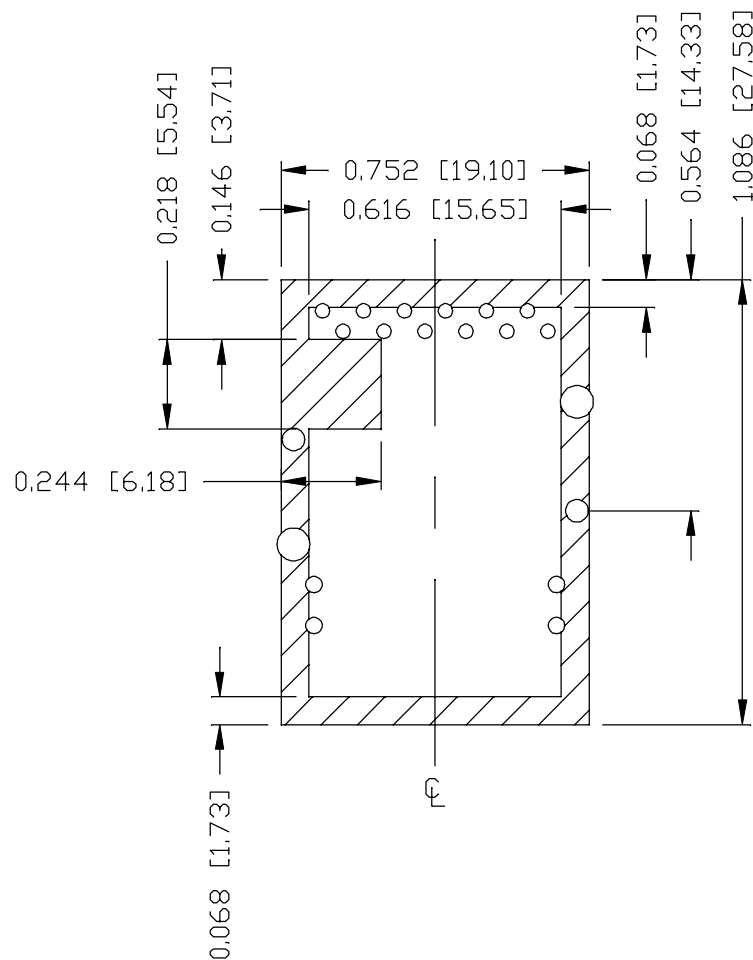
PART NO. / DRAWING NO.
L8BE-1G1TBFH

FILE NAME
L8BE-1G1TBFH_A.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	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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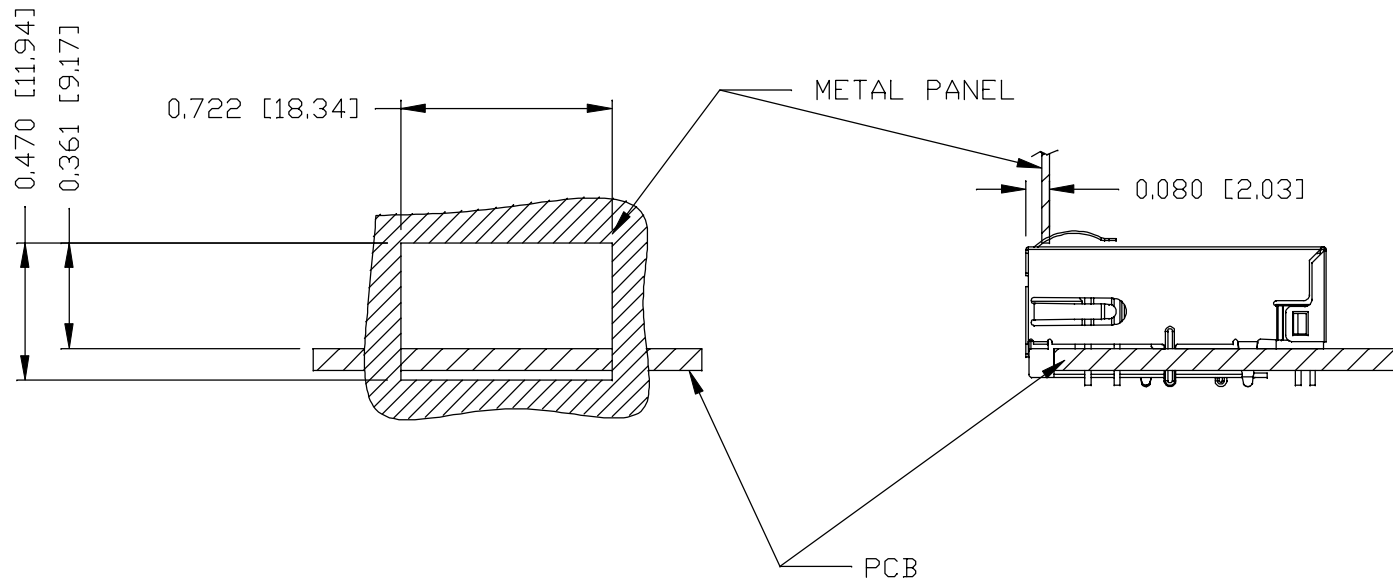
ORIGINATED BY ANTON LIAO DATE 2017-02-27	TITLE gigabit MagJack® (NanoJack) L8BE-1G1T-BFH PATENTED	PART NO. / DRAWING NO. L8BE-1G1TBFH	STANDARD DIM. [] METRIC DIM.	
			TOL. IN INCH	AS REF.
DRAWN BY LIU DONGJUN DATE 2017-02-27		FILE NAME L8BE-1G1TBFH_A.DWG	.X	UNIT : INCH [mm]
			.XX	SCALE : N/A
			.XXX ±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)

REV. : A PAGE : 6

ORIGINATED BY ANTON LIAO DATE 2017-02-27 DRAWN BY LIU DONGJUN DATE 2017-02-27	TITLE gigabit MagJack® (NanoJack) L8BE-1G1T-BFH PATENTED	PART NO. / DRAWING NO. L8BE-1G1TBFH	STANDARD DIM. TOL. IN INCH .X	[] METRIC DIM. AS REF.
		FILE NAME L8BE-1G1TBFH_A.DWG	.XX	UNIT : INCH [mm] SCALE : N/A
		.XXX ±0.004		SIZE : A4

