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RoHS



HF

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

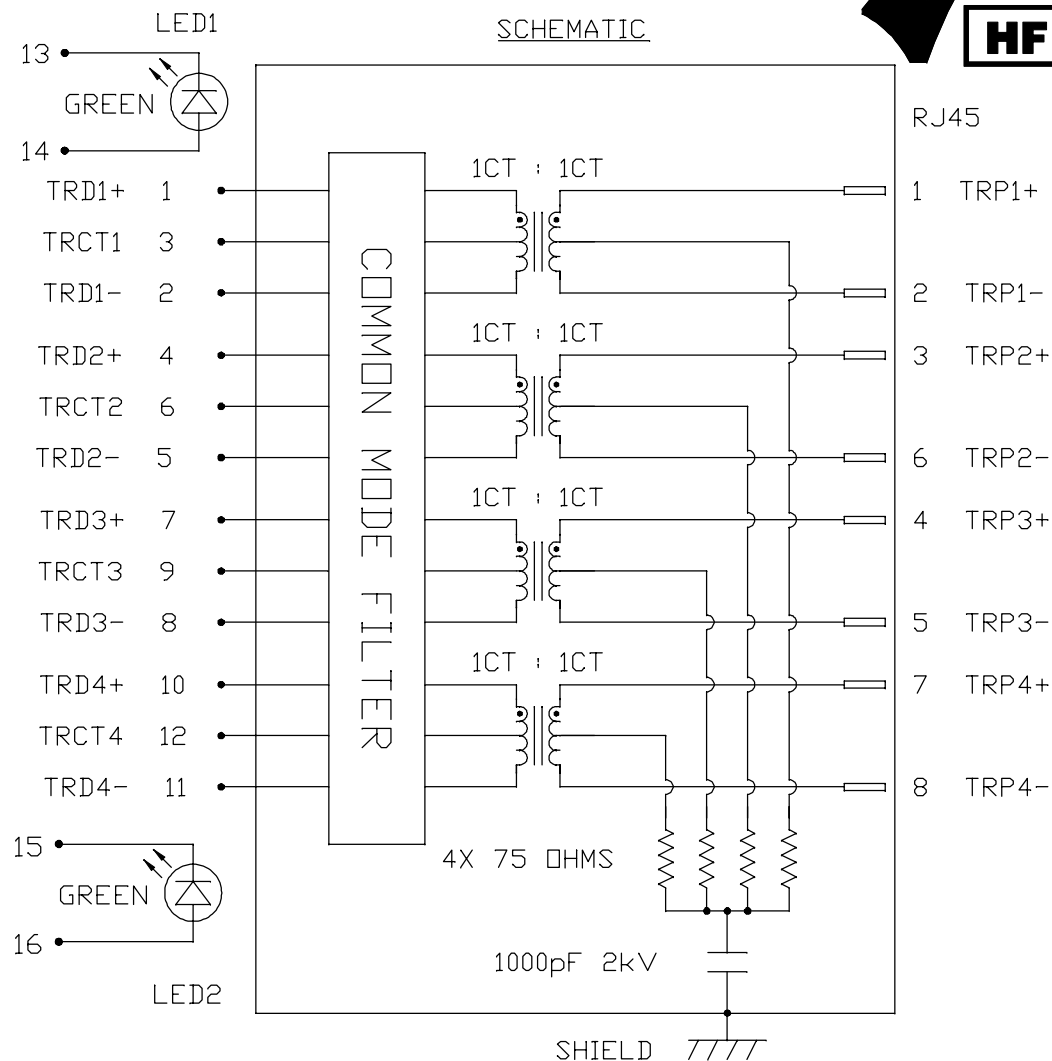
100% OF PRODUCTION TESTED TO COMPLY WITH

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)

PART NO. / DRAWING NO.
L8BE-1G1TBFH

STANDARD DIM.
TOL. IN INCH [] METRIC DIM.
AS REF.

REV. : A PAGE : 2

DRAWN BY
XIE YIMING
DATE 2017-02-27

FILE NAME
L8BE-1G1T-BFH
PATENTED

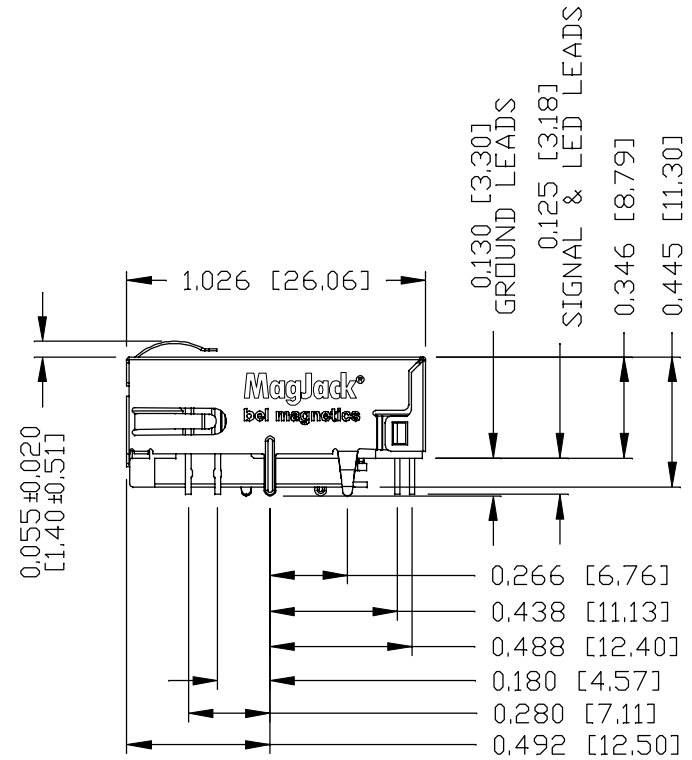
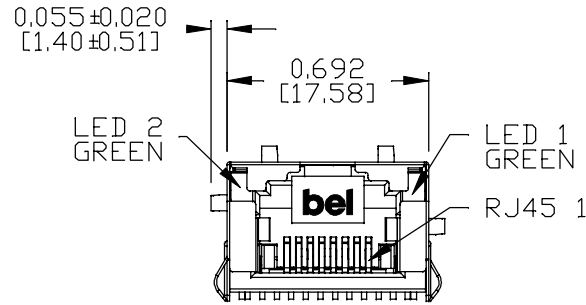
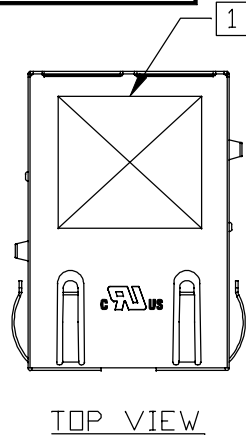
FILE NAME
L8BE-1G1TBFH_A.DWG

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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MECHANICAL SPECIFICATION



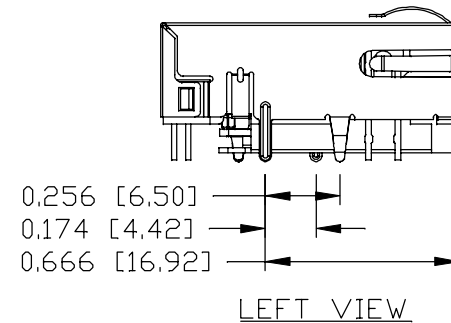
NOTES:

- 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: 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.

c RL us 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.



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

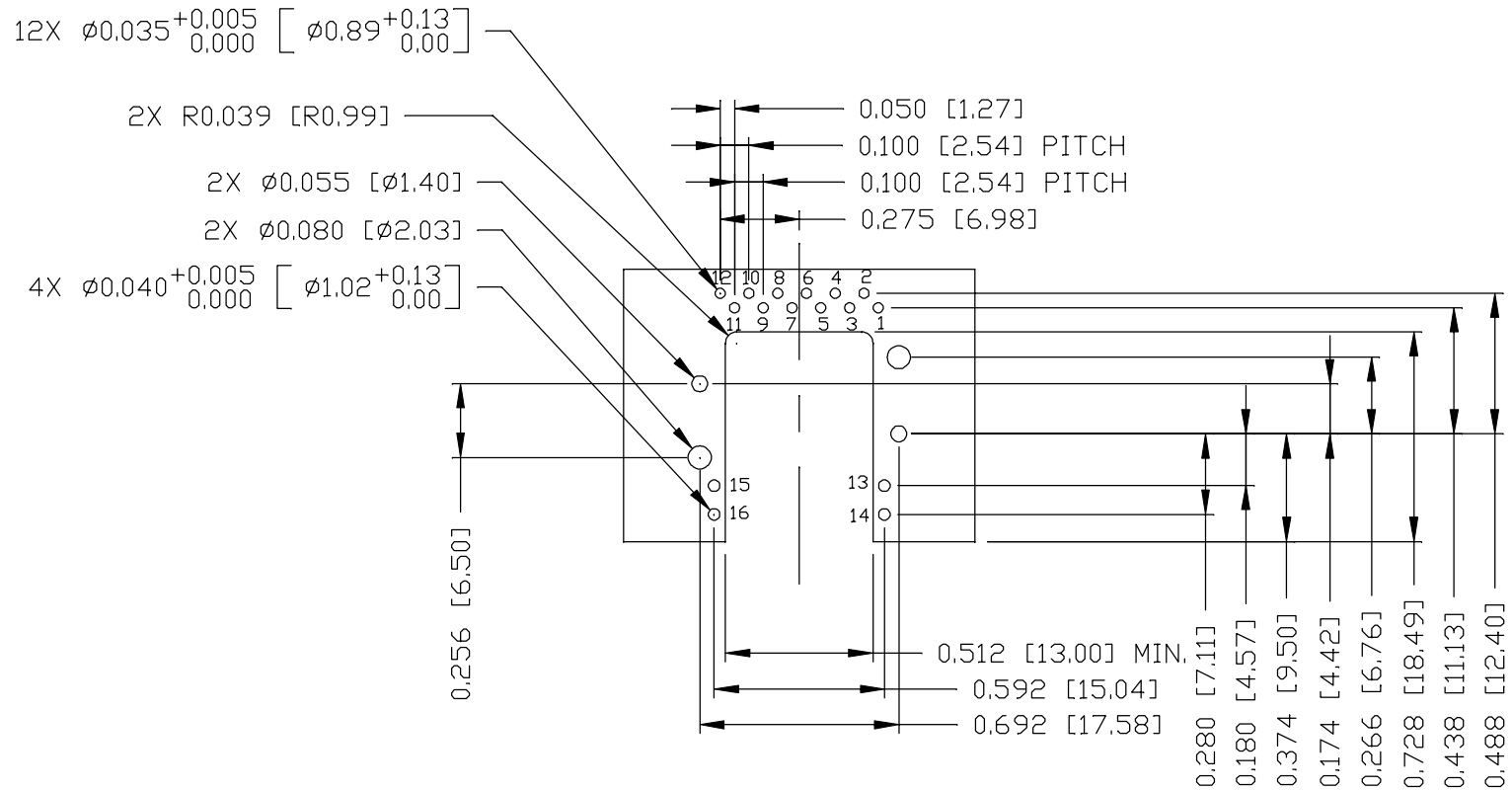
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



REV. : A PAGE : 4

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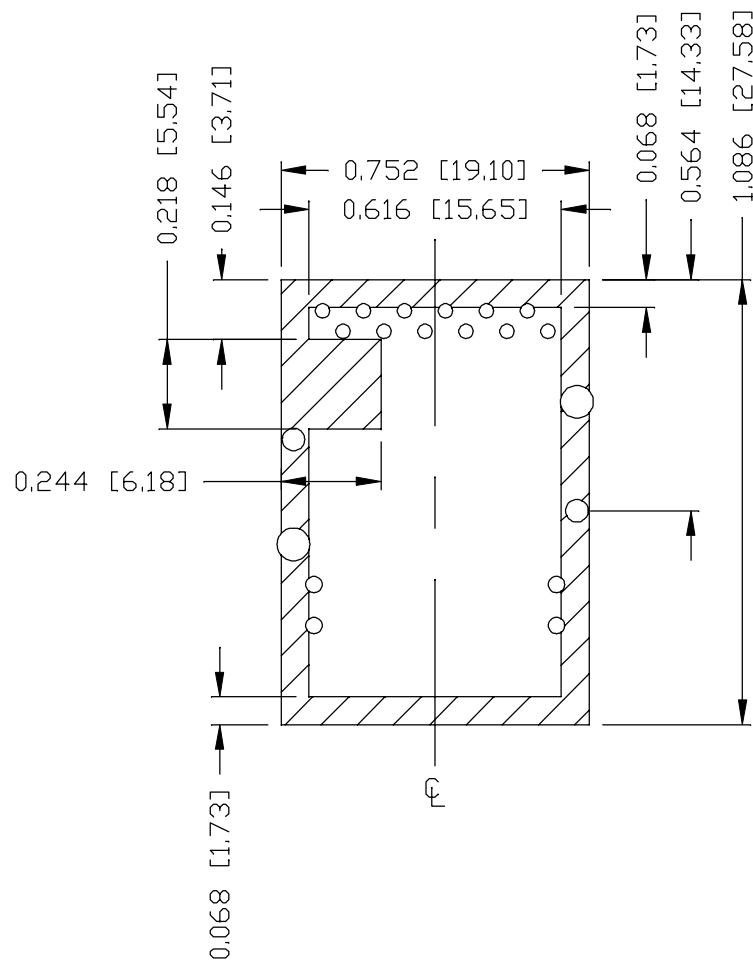
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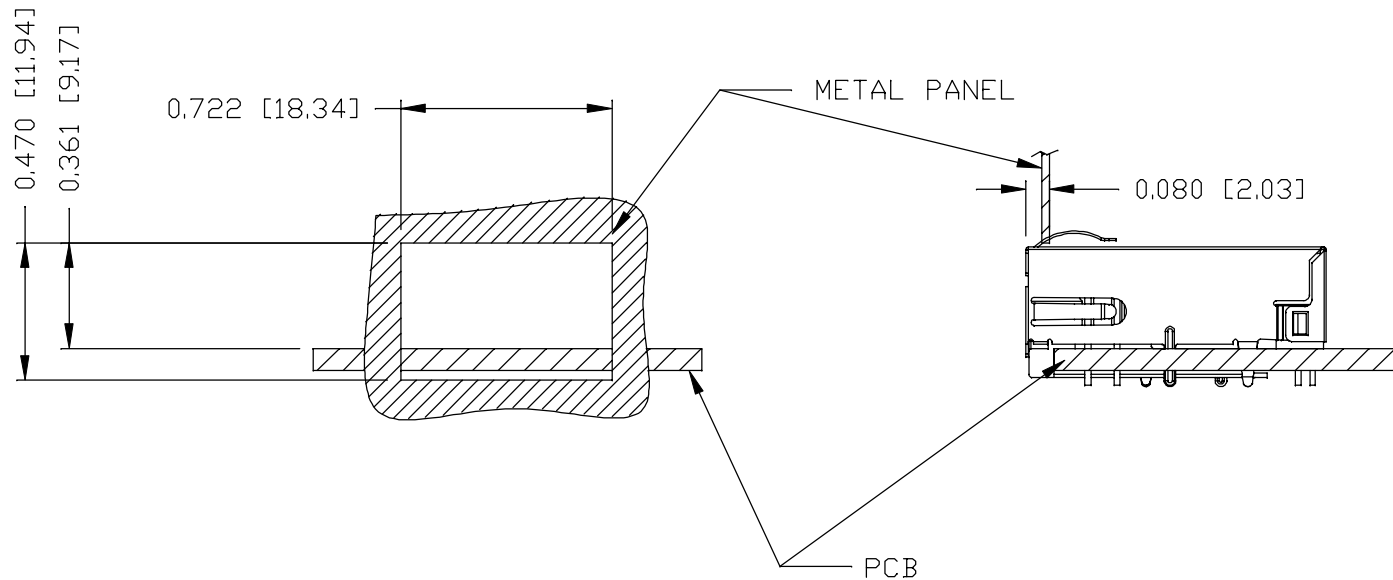
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY ANTON LIAO DATE 2017-02-27		TITLE gigabit MagJack® (NanoJack) L8BE-1G1T-BFH PATENTED		PART NO. / DRAWING NO. L8BE-1G1TBFH		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		REV. : A	PAGE : 5
DRAWN BY LIU DONGJUN DATE 2017-02-27		FILE NAME L8BE-1G1TBFH_A.DWG		.X .XX .XXX		UNIT : INCH [mm] SCALE : N/A ±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 PACKIING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : A PAGE : 6

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			.X	UNIT : INCH [mm]
			.XX	SCALE : N/A
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