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

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TX 1CT : 1 RX 1CT : 1

DCL @ 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 OHMS +/-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.

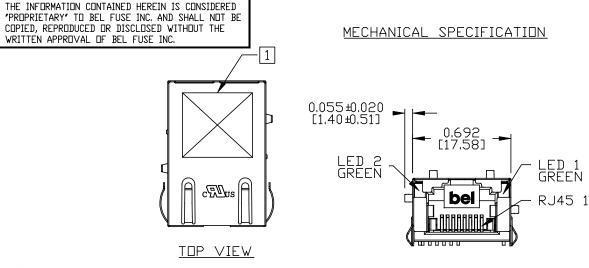
		7
13 • LED1 GREEN	<u>SCHEMATIC</u>	HF
14 •		1/343
TCT 11 •—	1CT : 1	1 TX+
TD+ 12 •─		
TD- 10 ←		2 TX-
RD+ 4 •─	1CT : 1	3 RX+
RD- 6 •─		
RCT 5 ←		6 RX-
RCI 5 •		4 5 7 8
15		
GREEN (4X 75 DHMS	
16 • LED2	1000pF 2kV $\frac{\bot}{\top}$	
	SHIELD 7777	

PRELIMINARY RoHS

PAGE:

2

						REV. :	PA	P
	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.			
CHOW WANCHUNG	10/100 MagJack®	L8BE-1G1T91A		IN INCH	AS REF.	AND THE SECOND	6	
DATE 2017-06-20	(NanoJack)	2022 1011 3111	v		UNIT : INCH [mm]			ì
DRAWN BY	L8BE-1G1T-91A	FILE NAME	·A			不是一种		
XIE YIMING	PATENTED	LODE 1C1TO1A DADVE	.XX		SCALE : N/A	1.545.20	a bel group	٠
DATE 2017-06-20	IMILNICD	L8BE-1G1T91A_PA.DWG	.xxx		SIZE : A4			



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA. BLACK

FLAMMABILITY RATING UL 94V-0

CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUI∨ALENT.

DUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.

NICKEL PLATED ON COPPER ALLOY. METAL SHIELD:

(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.

CTUSUL 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.

ORIGINATED BY TITLE PART NO. / DRAWING NO. ΑΝΤΠΝ ΙΙΑΠ 10/100 MagJack® L8BE-1G1T91A **DATE** 2017-06-20 (NanoJack) DRAWN BY FILE NAME L8BE-1G1T-91A LIU DONGJUN PATENTED L8BE-1G1T91A_PA.DWG DATE 2017-06-20

		ARD DIM. IN INCH	[] METRIC DIM. AS REF.	
	.X		UNIT : INCH [mm]	
	.XX		SCALE : N/A	
	.XXX	±0.010	SIZE : A4	
•	m : :			₹



RoHS

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0.130 [3,30] GROUND LEADS 0,125 [3,1 SIGNAL & LED [11,30] [8,79] 0,346 0,445 **--** 1.026 [26.06] -- MagJack bel magnetics 0,055±0,020 [1,40±0,51] 0.266 [6.76] 0.438 [11.13] 0.488 [12.40] 0,180 [4,57] 0,280 [7,11] 0,492 [12,50]

PRELIMINARY

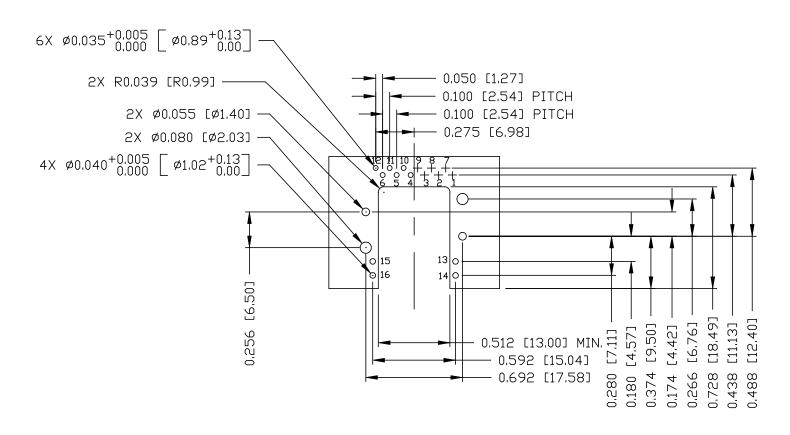
0.256 [6.50] -0.174 [4.42] -0.666 [16.92]

LEFT VIEW





RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



ORIGINATED BY					
IDTNA	N LIAO				
DATE	2017-06-20				

TITLE

DRAWN BY
LIU DONGJUN
DATE 2017-06-20

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

 PART NO. / DRAWING NO.
 STANDARD DIM.

 L8BE-1G1T91A
 TOL. IN INCH

 XX
 XX

 L8BE-1G1T91A_PA.DWG
 XXX
 ±0,004

REV. :

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

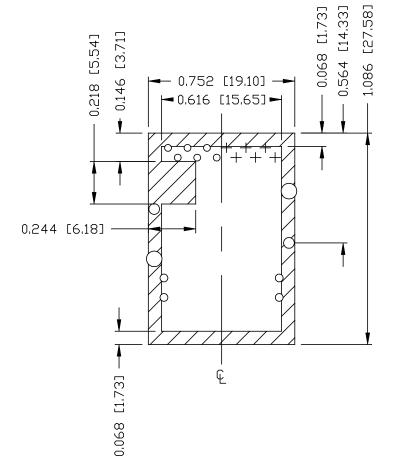
SCALE : N/A

SIZE : A4

MAGNETIC SOLUTIONS

PAGE:

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PRELIMINARY



NOTES

TITLE

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

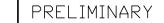
ANTO	N LIAD 2017-06-20
DATE	2017-06-20
DRAWN	
LIU I	DNGJUN
DATE	2017-06-20

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

PART NO. / DRAWING NO. L8BE-1G1T91A		ARD DIM. IN INCH	[] METRIC DIM. AS REF.			
FILE NAME	.X		UNIT : II	NCH [mm]		
	.XX		SCALE :	N/A		
L8BE-1G1T91A_PA.DWG	.XXX	±0,004	\bigoplus	SIZE : A4		

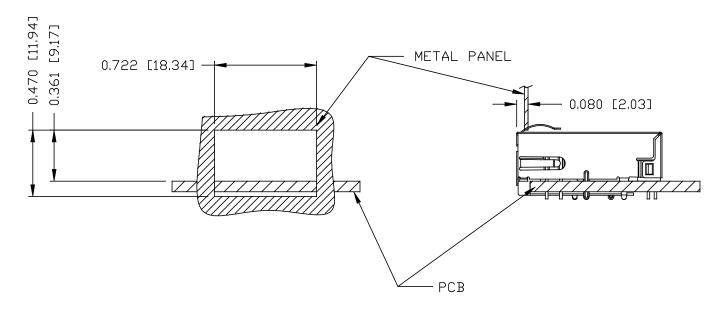


ORIGINATED BY





SUGGESTED PANEL DPENING



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. :	PA	PAGE:	6
	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.				
ANTON LIAO DATE 2017-06-20	10/100 MagJack®	L8BE-1G1T91A	TOL.	IN INCH	AS REF.	1		MA	SNETIC
DRAWN BY	(NanoJack)	FILE NAME	.X		UNIT : INCH [mm]			SOL	GNETIC LUTIONS
LIU DONGJUN	L8BE-1G1T-91A PATENTED		.XX		SCALE : N/A		a bel grou		
DATE 2017-06-20	PAIENIED	L8BE-1G1T91A_PA.DWG	.xxx	±0,004	SIZE : A4				