

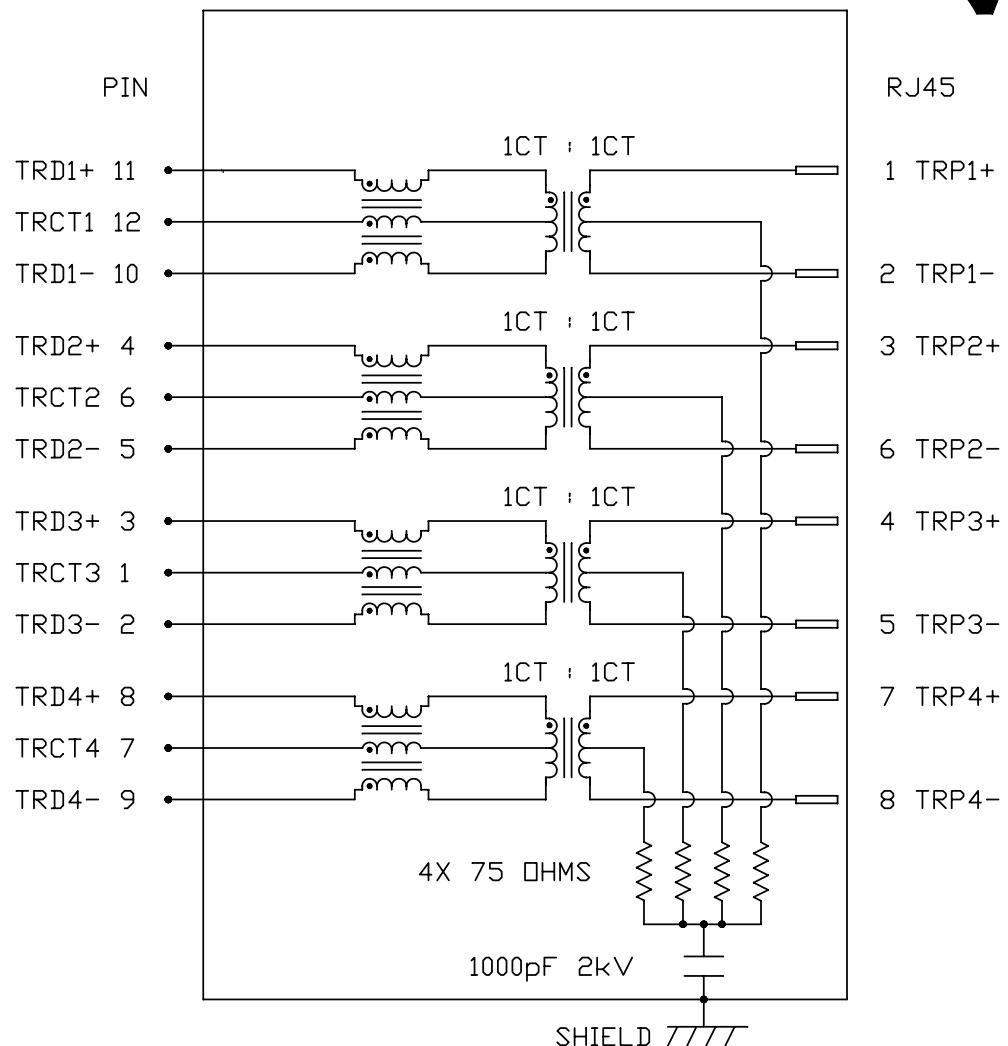
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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$
Δ CL @ 100kHz/100mVRMS 8mA DC BIAS	350 μ H 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)	
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.	
OPERATING TEMPERATURE:	-40 TO +85°C

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		L8AL-1X1T32A	TOL. IN INCH	UNIT : INCH [mm]	REV. : A	
CHOW WANGCHUNG	12-09-10	(Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A		.X			
LEE WEIDE	12-09-10	PATENTED		.XX		SCALE : N/A	SIZE : A4
				.XXX			PAGE : 2

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MECHANICAL SPECIFICATION

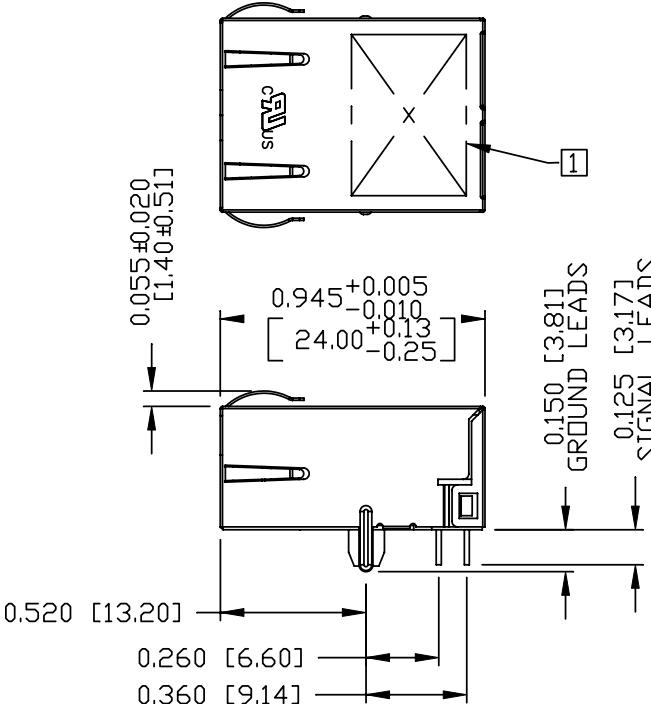
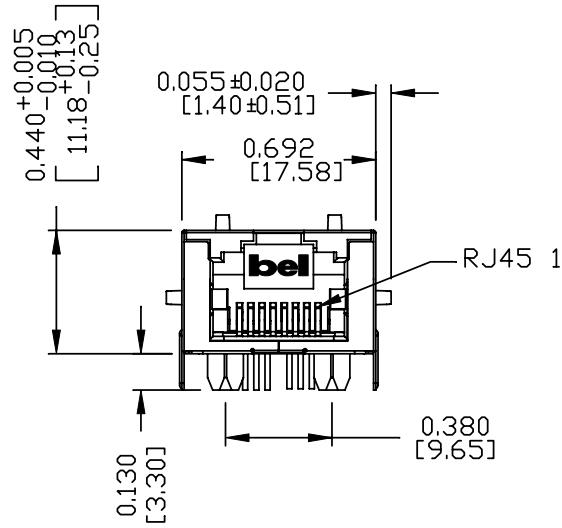


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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA

FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING

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

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER L8AL-1X1T-32A AND DATE CODE AND PATENTED.

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

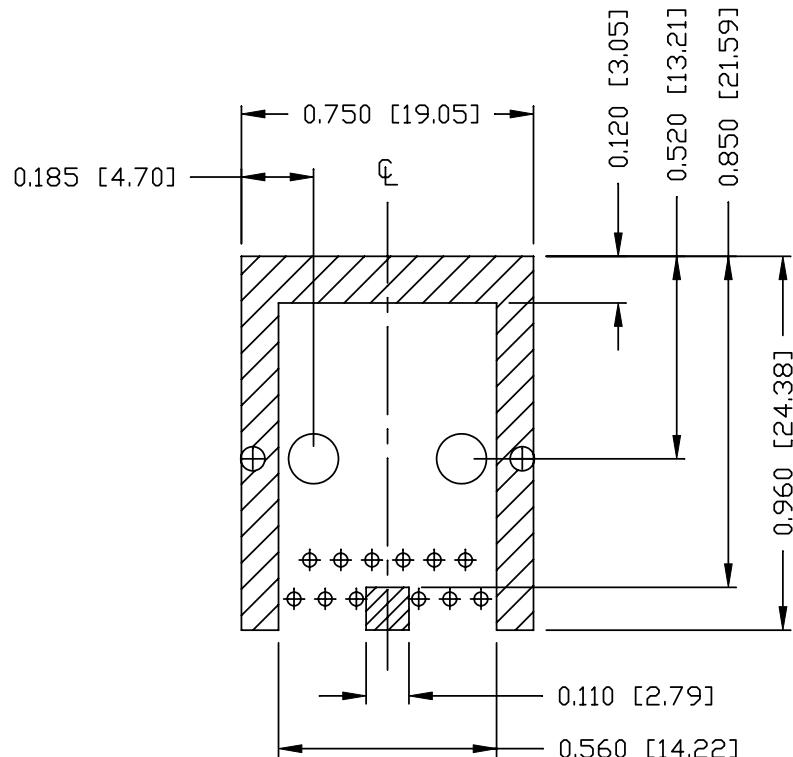
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE
				X	XX	
CHEN BILL	12-09-10	gigabit MagJack® (Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A PATENTED	L8AL-1X1T32A			UNIT : INCH [mm]
DRAWN BY	DATE	FILE NAME	L8AL-1X1T32A_A.DWG	.XXX	±0.010	REV. : A SCALE : N/A SIZE : A4 PAGE : 3
XIAN JIAXIN	12-09-10					

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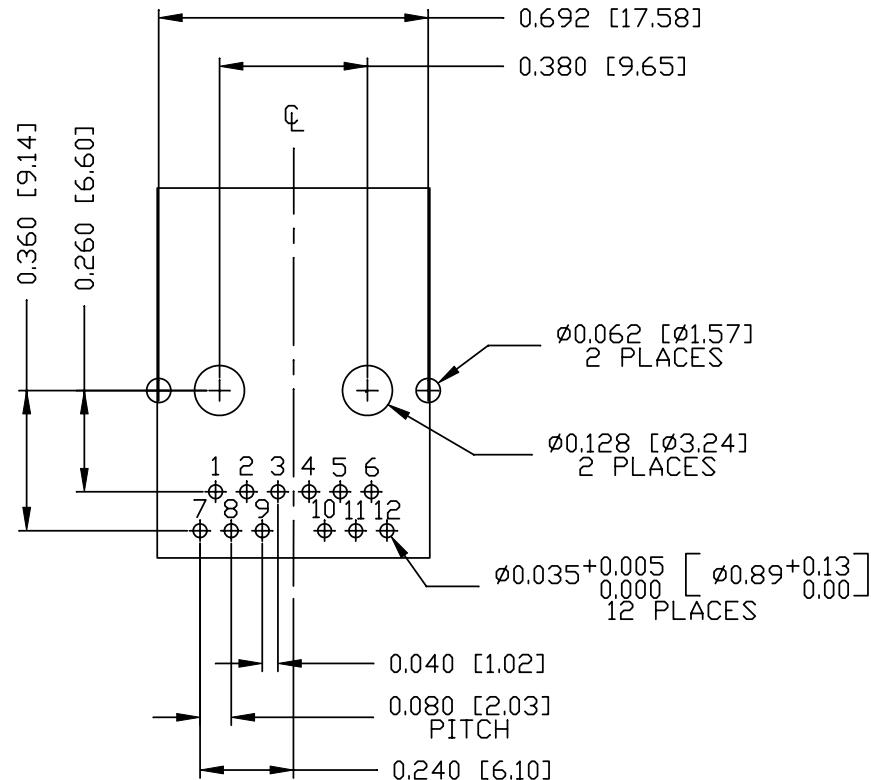
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NOTES:

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

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH	UNIT : INCH [mm]	REV. : A	
CHEN BILL	12-09-10	gigabit MagJack® (Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A PATENTED	L8AL-1X1T32A	.X			
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
XIAN JIAXIN	12-09-10		L8AL-1X1T32A_A.DWG	.XXX	±0.004		PAGE : 4

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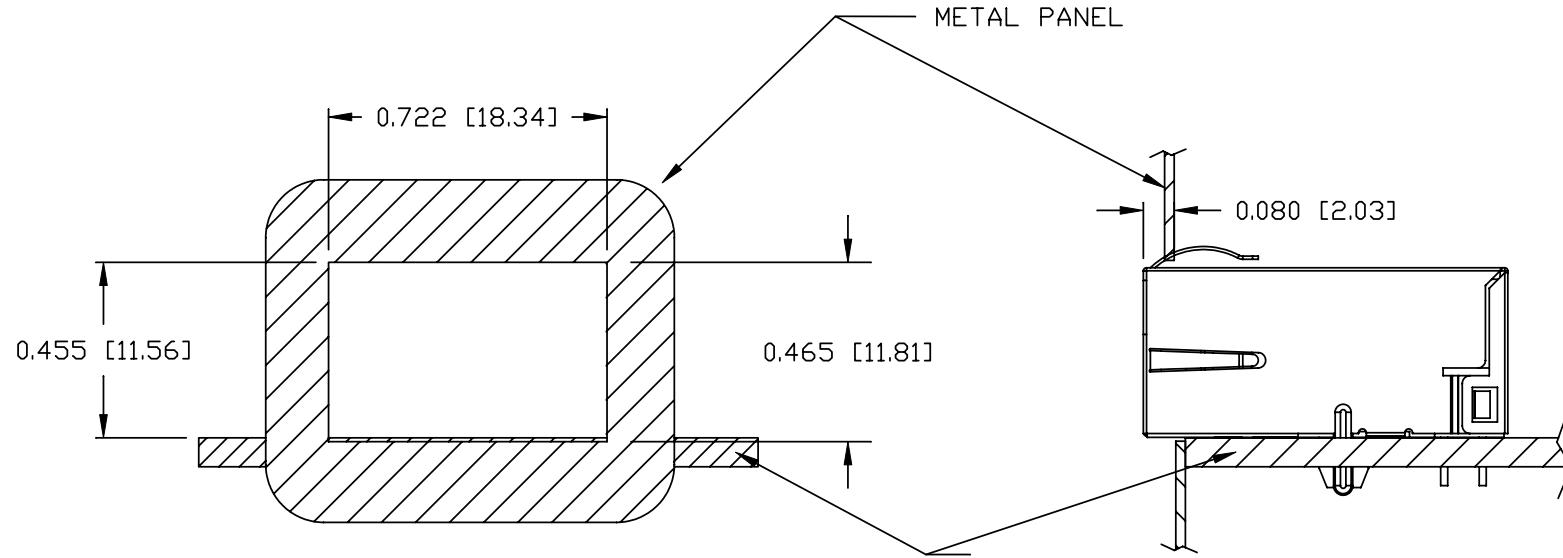


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SUGGESTED PANEL OPENING



NOTE:

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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)
0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

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

ORIGINATED BY	DATE	TITLE gigabit MagJack® (Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A PATENTED	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME L8AL-1X1T32A_A.DWG	.X	UNIT : INCH [mm]	REV. : A
CHEN BILL	12-09-10			.XX	SCALE : N/A	SIZE : A4
XIAN JIAXIN	12-09-10			.XXX	±0.004	PAGE : 5

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