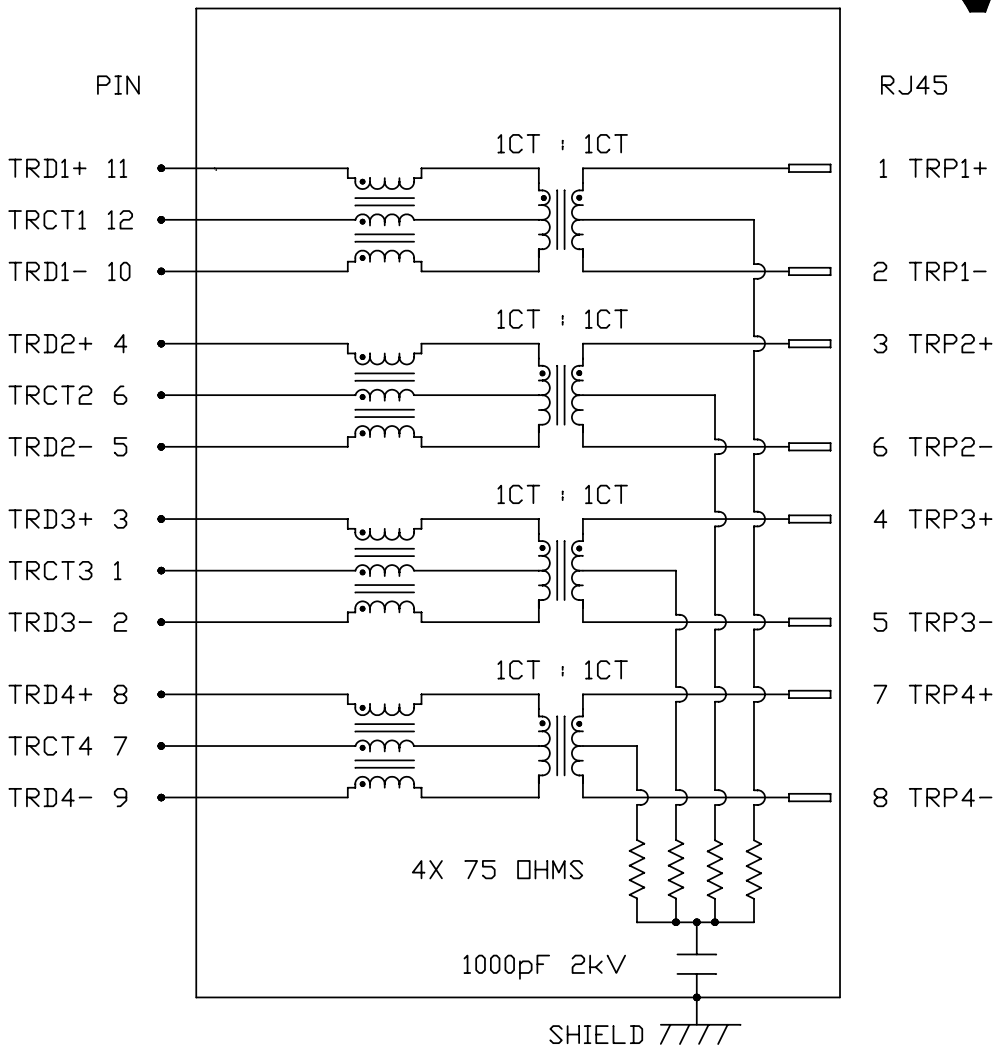
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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS	
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)	
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 CHOW WANGCHUNG	**DATE** 12-09-10	**TITLE** gigabit MagJack® (Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A PATENTED	**PART NO. / DRAWING NO.** L8AL-1X1T32A	**STANDARD DIM. TOL. IN INCH** .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE
DRAWN BY LEE WEIDE	**DATE** 12-09-10		**FILE NAME** L8AL-1X1T32A_A.DWG		UNIT : INCH [mm] REV. : A SCALE : N/A SIZE : A4 PAGE : 2

bel — COMPONENTS FOR A CONNECTED PLANET

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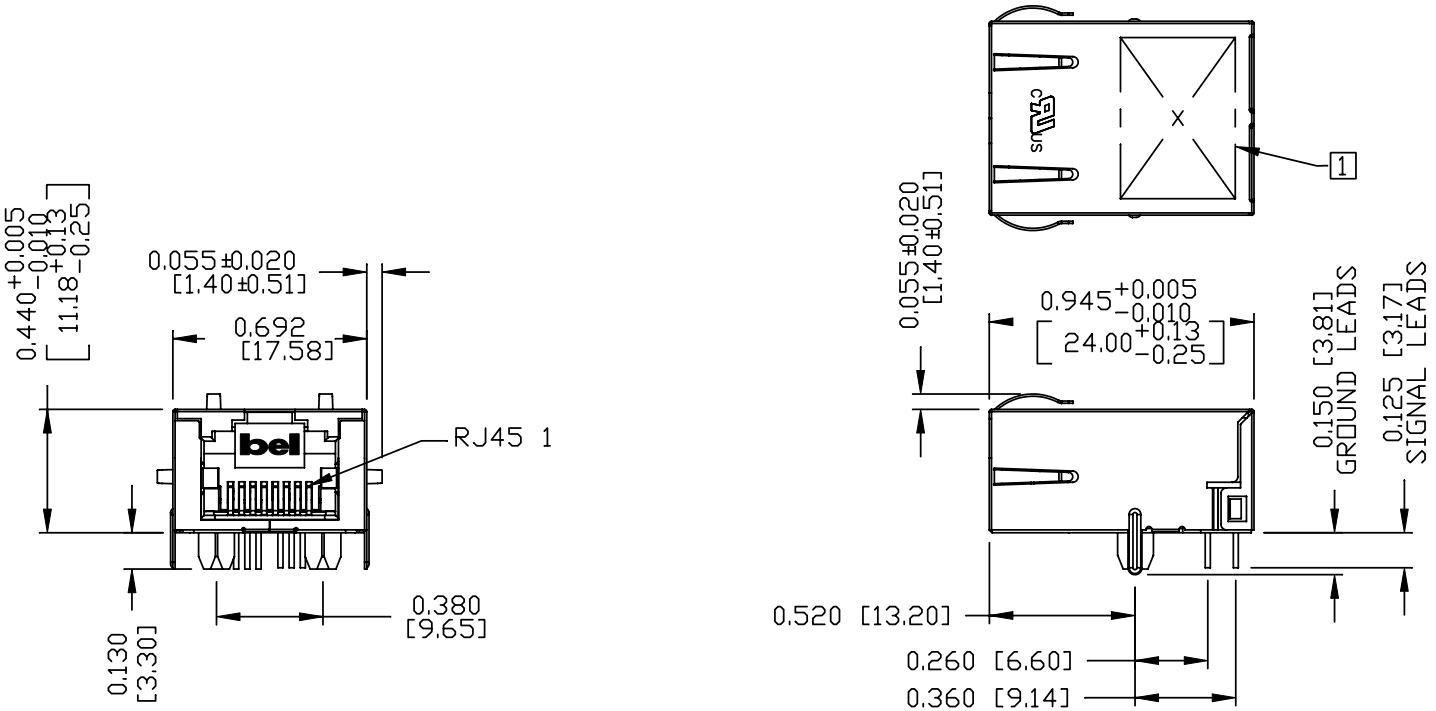
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Please read our datasheet & drawing disclaimer here.

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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.

c UL us 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	
CHEN BILL	12-09-10	gigabit MagJack® (Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A PATENTED	L8AL-1X1T32A	.X		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
XIAN JIAXIN	12-09-10		L8AL-1X1T32A_A.DWG	.XXX	±0.010		PAGE : 3

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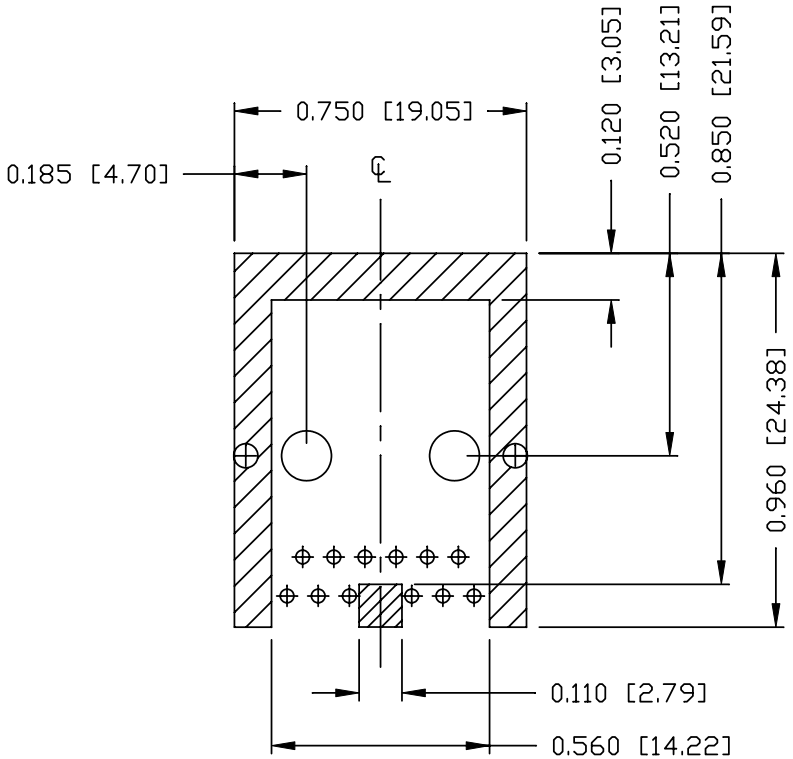
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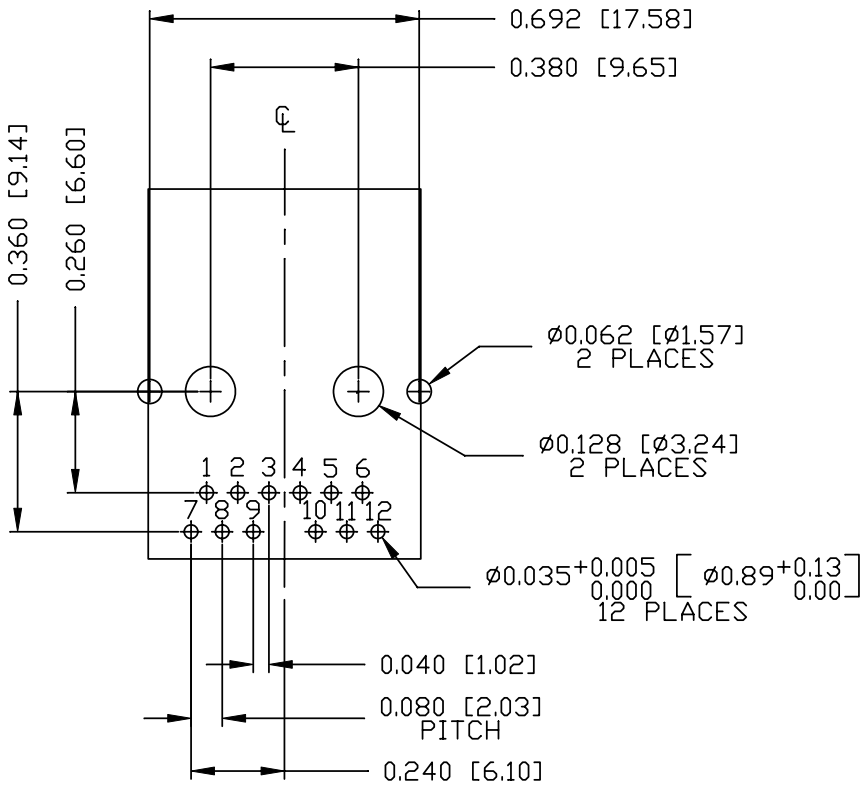
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW





NOTES:

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

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

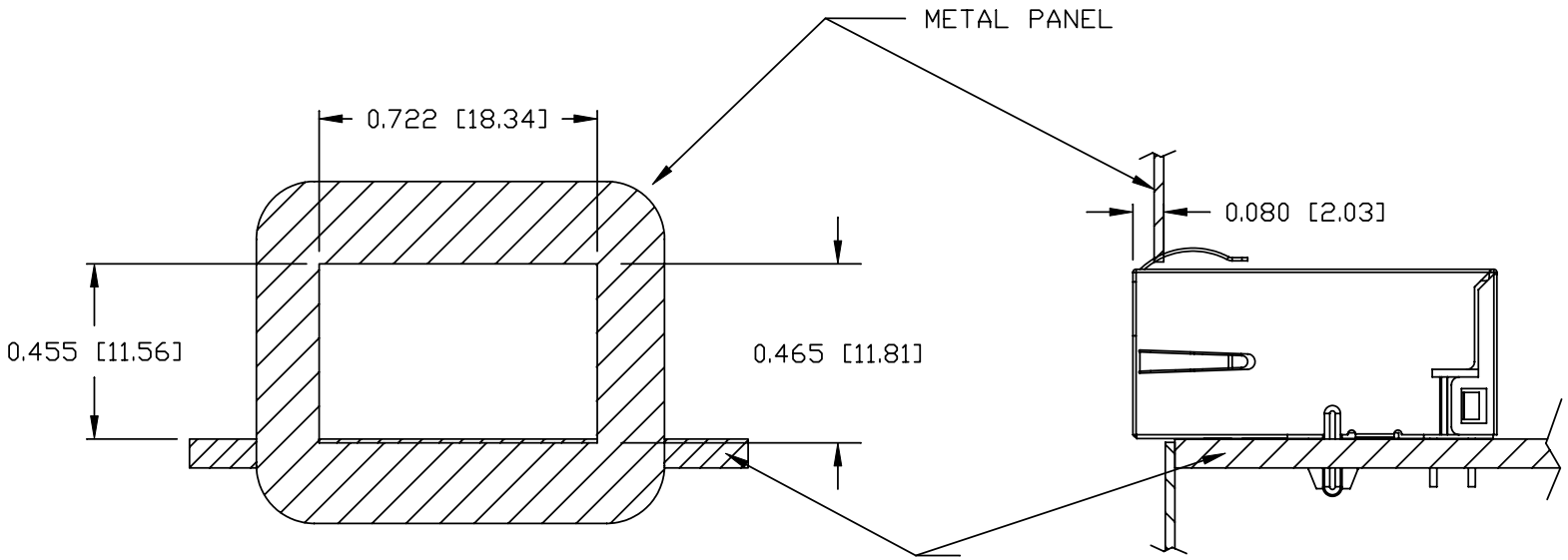
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SUGGESTED PANEL OPENING



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	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
CHEN BILL	12-09-10	gigabit MagJack® (Extended Temperature and 50uinch gold plating) L8AL-1X1T-32A PATENTED	L8AL-1X1T32A	.X		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
XIAN JIAXIN	12-09-10		L8AL-1X1T32A_A.DWG	.XXX	±0.004		PAGE : 5

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