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

RoHS



## 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.

### 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 □HMS

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

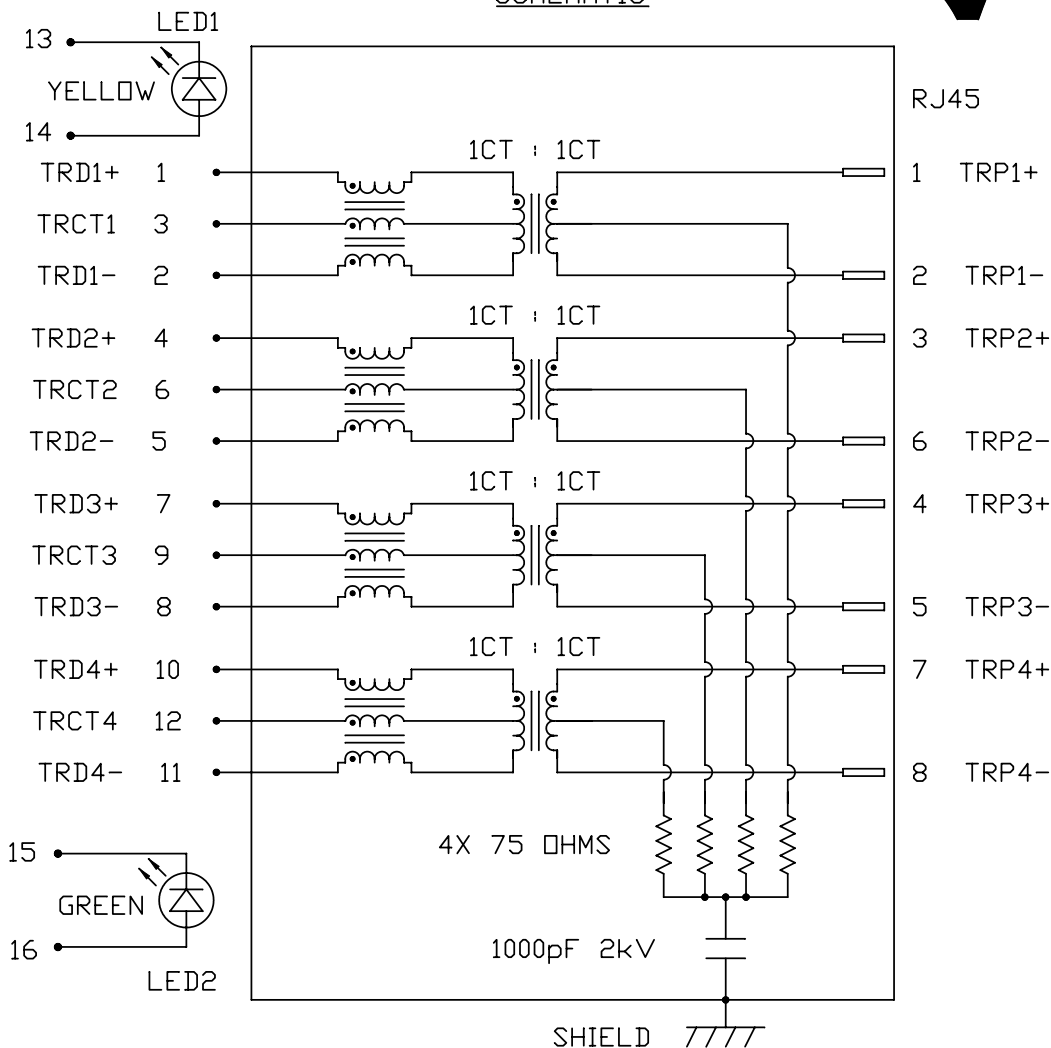
VF (FORWARD VOLTAGE)	IF=20mA	YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW 590nm TYP.

### LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN 565nm TYP.

OPERATING TEMPERATURE: -40 TO +85°C

## SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2012-10-17	Gigabit MagJack®	L886-1A2T-GA	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	NanoJack, Extend Temperature PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
TAN QIGUANG	2012-10-17		L886-1A2T-GA_A.DWG	.XXX	PAGE : 2

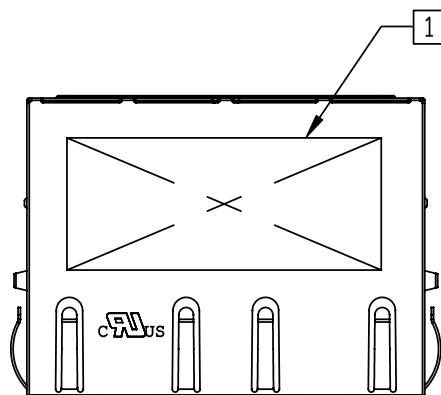
**bel**  
COMPONENTS FOR A  
CONNECTED  
PLANET

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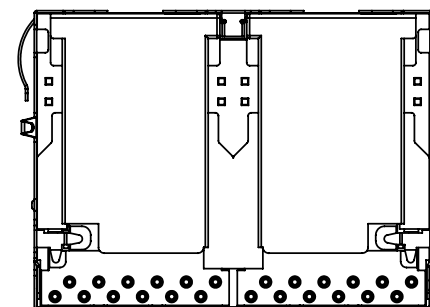
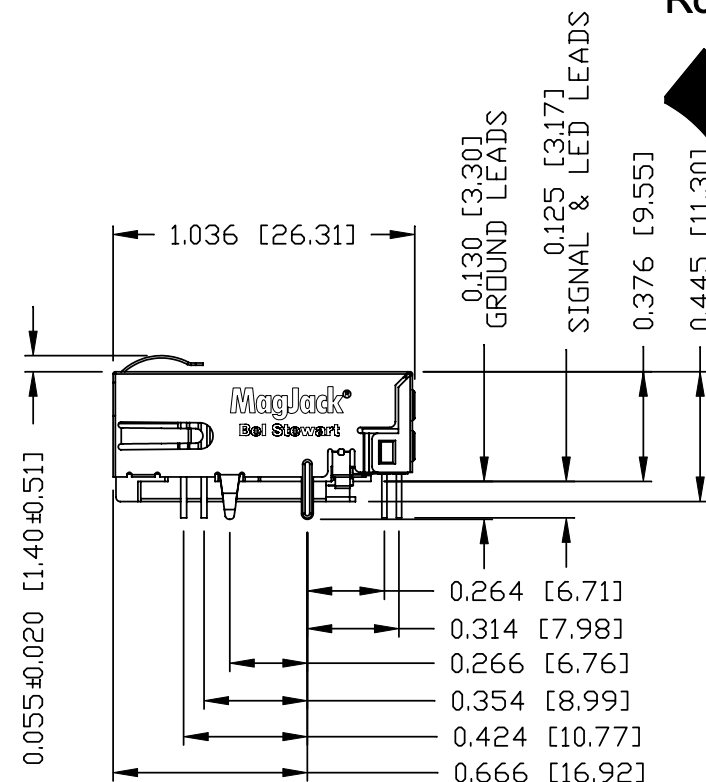
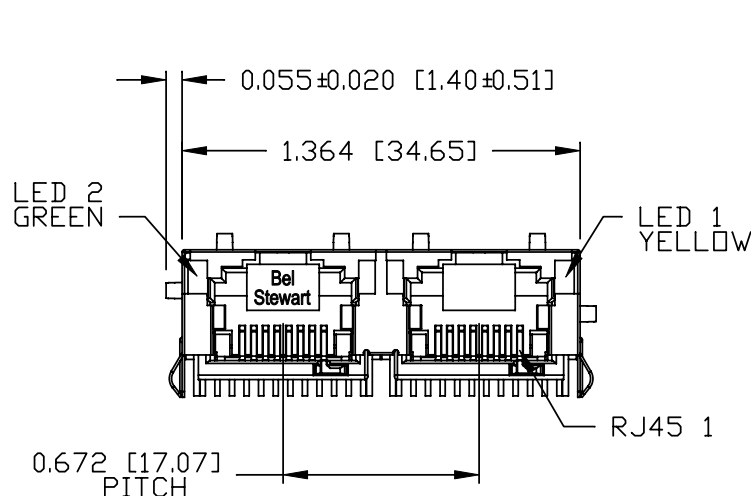
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## MECHANICAL SPECIFICATION

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TOP VIEW



BOTTOM VIEW

### NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA  
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- 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 PART NUMBER, DATE CODE AND PATENTED.

2. THE PRODUCT IS RoHS COMPLIANT.
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.	[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	2012-10-17	Gigabit MagJack®	L886-1A2T-GA	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	NanoJack, Extend Temperature PATENTED	FILE NAME L886-1A2T-GA_A.DWG	.X	SCALE : N/A	SIZE : A4
HE ZHEN	2012-10-17			.XX	PAGE : 3	
				.XXX		

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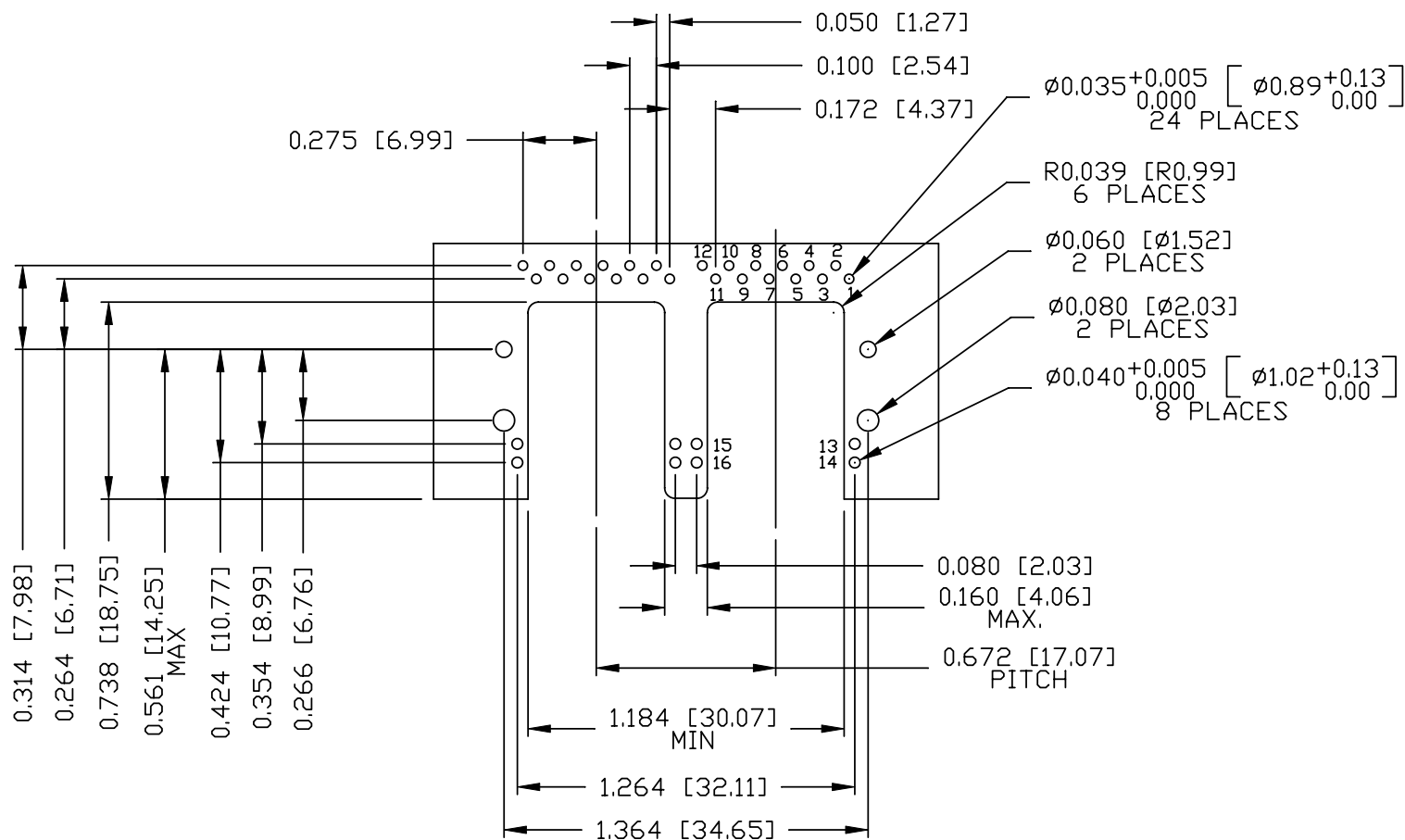
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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW



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ANTON LIAO	2012-10-17	Gigabit MagJack®	L886-1A2T-GA	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	NanoJack, Extend Temperature PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-10-17		L886-1A2T-GA_A.DWG	.XXX ±0.004	PAGE : 4

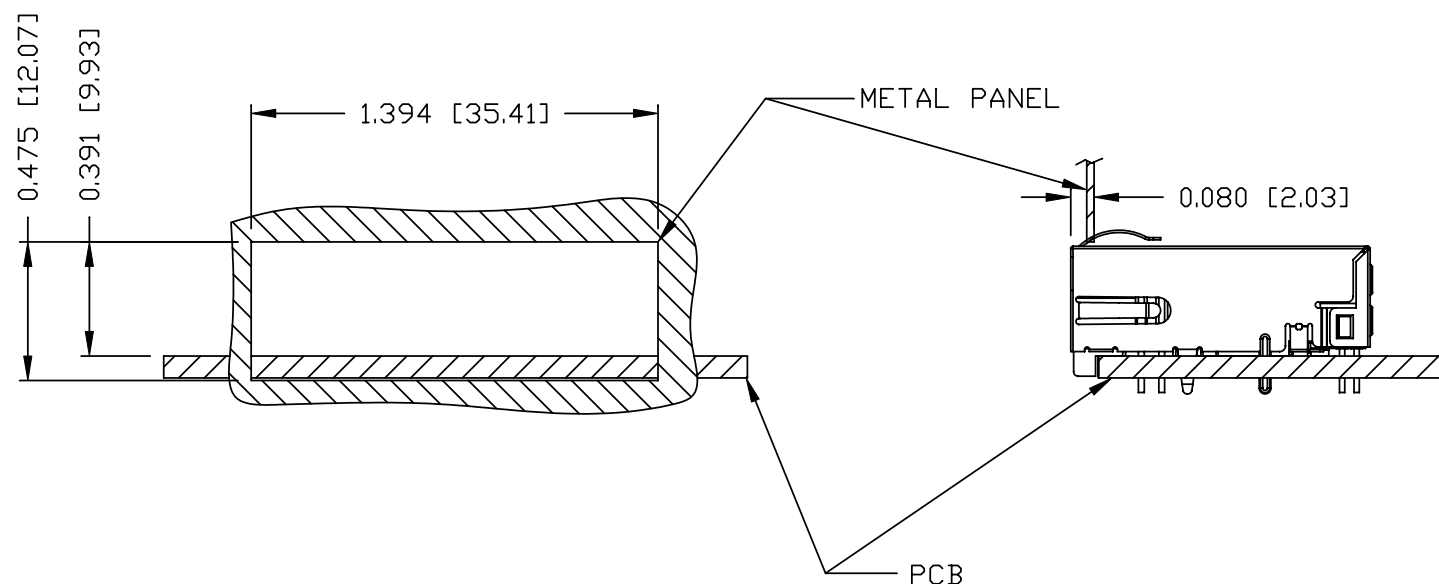
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COMPONENTS FOR A  
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### SUGGESTED PANEL OPENING



### 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-C2 (TOP)  
0200M9999-C3 (BOTTOM)

PACKING QUANTITY : 36 PCS FINISHED GOODS PER TRAY  
12 TRAYS (432 PCS FINISHED GOODS) PER CARTON BOX

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

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DRAWN BY	DATE	NanoJack, Extend Temperature	FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	2012-10-17	PATENTED	L886-1A2T-GA_A.DWG	.XXX	⊕	PAGE : 5