

PRELIMINARY

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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS 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.
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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

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

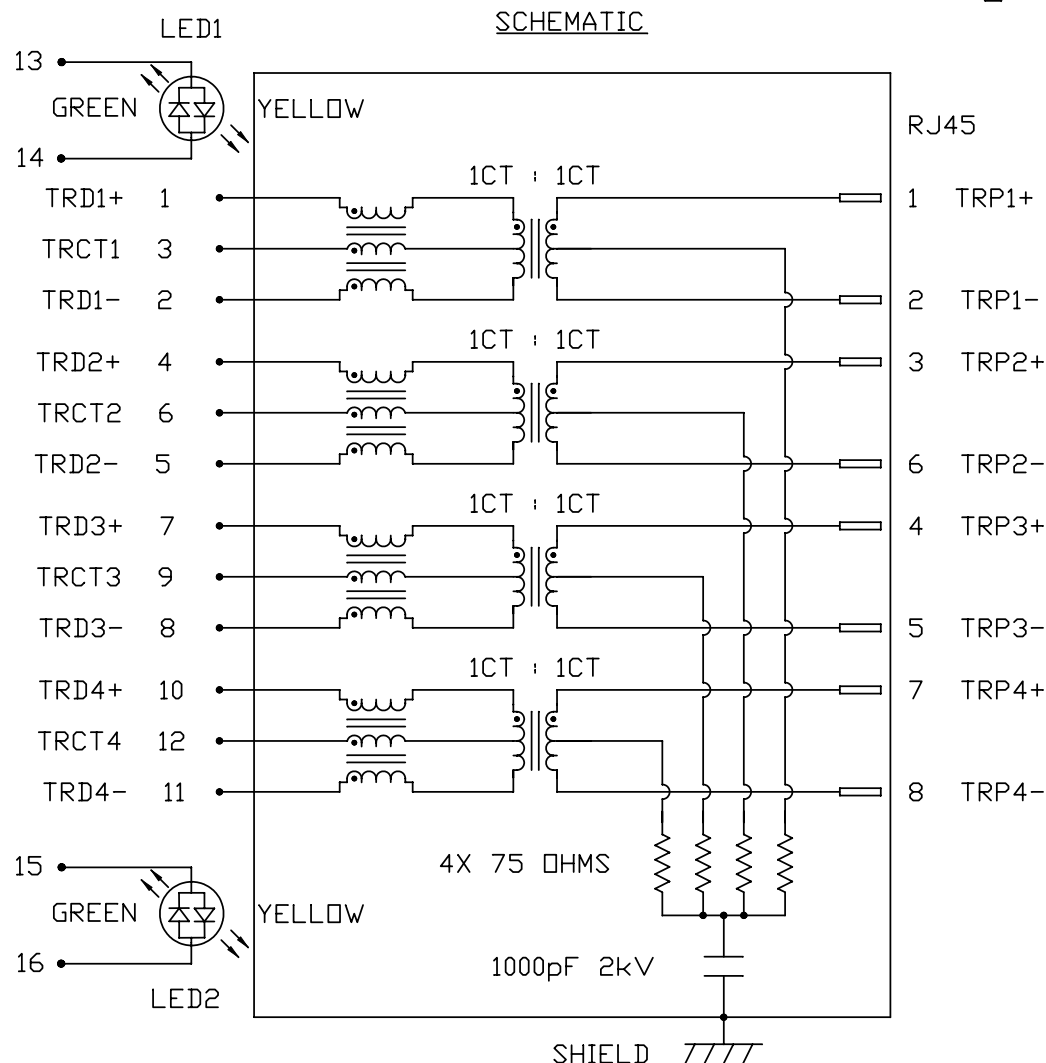
100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 & LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN 2.2V TYP.
		YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN 565nm TYP.
		YELLOW 590nm TYP.

OPERATING TEMPERATURE: -40 TO +85°C



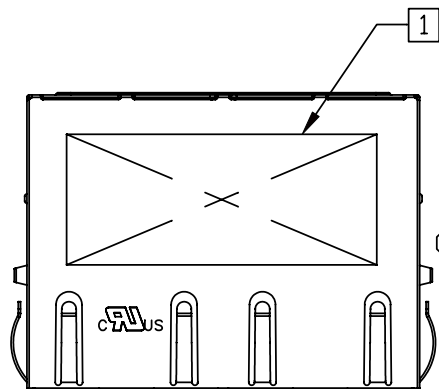
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANGCHUNG	07-21-09	Gigabit MagJack®	L886-1C2T-GA	TOL. IN INCH	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	NanoJack, Extend Temperature	FILE NAME	.X	SCALE : N/A SIZE : A4
LEE WEIDE	07-21-09	PATENTED	L886-1C2T-GA_PA.DWG	.XX	PAGE : 2
				.XXX	

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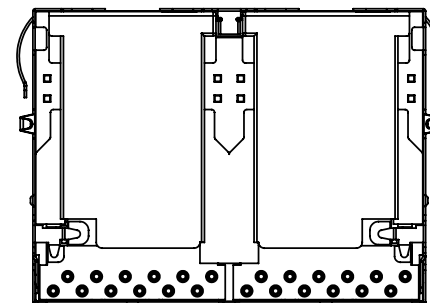
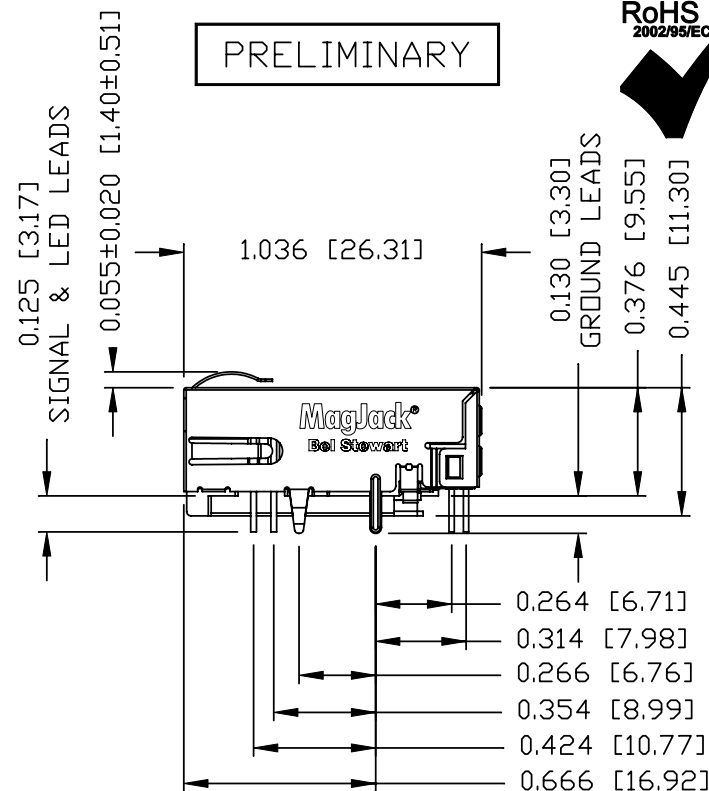
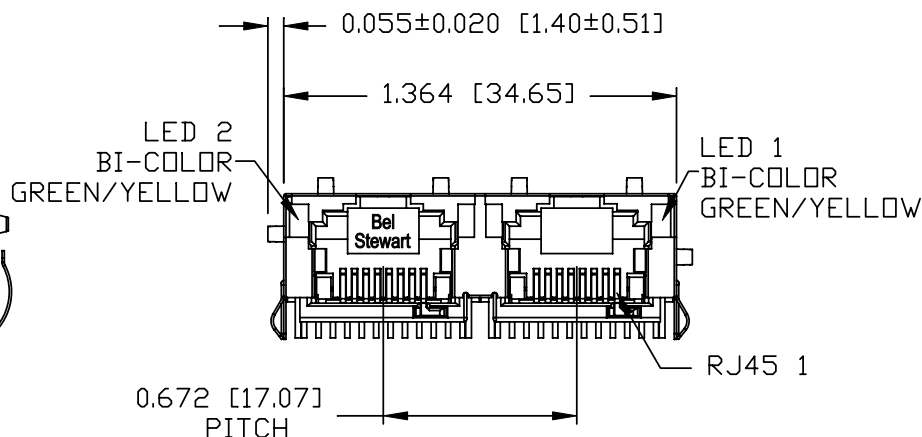
MECHANICAL SPECIFICATION

PRELIMINARY

RoHS
2002/95/EC



TOP VIEW



BOTTOM VIEW

NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0

CONTACTS: 30 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, DATE CODE AND PATENTED.

UL USUL RECOGNIZED - FILE #E196366 AND E169987.

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

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

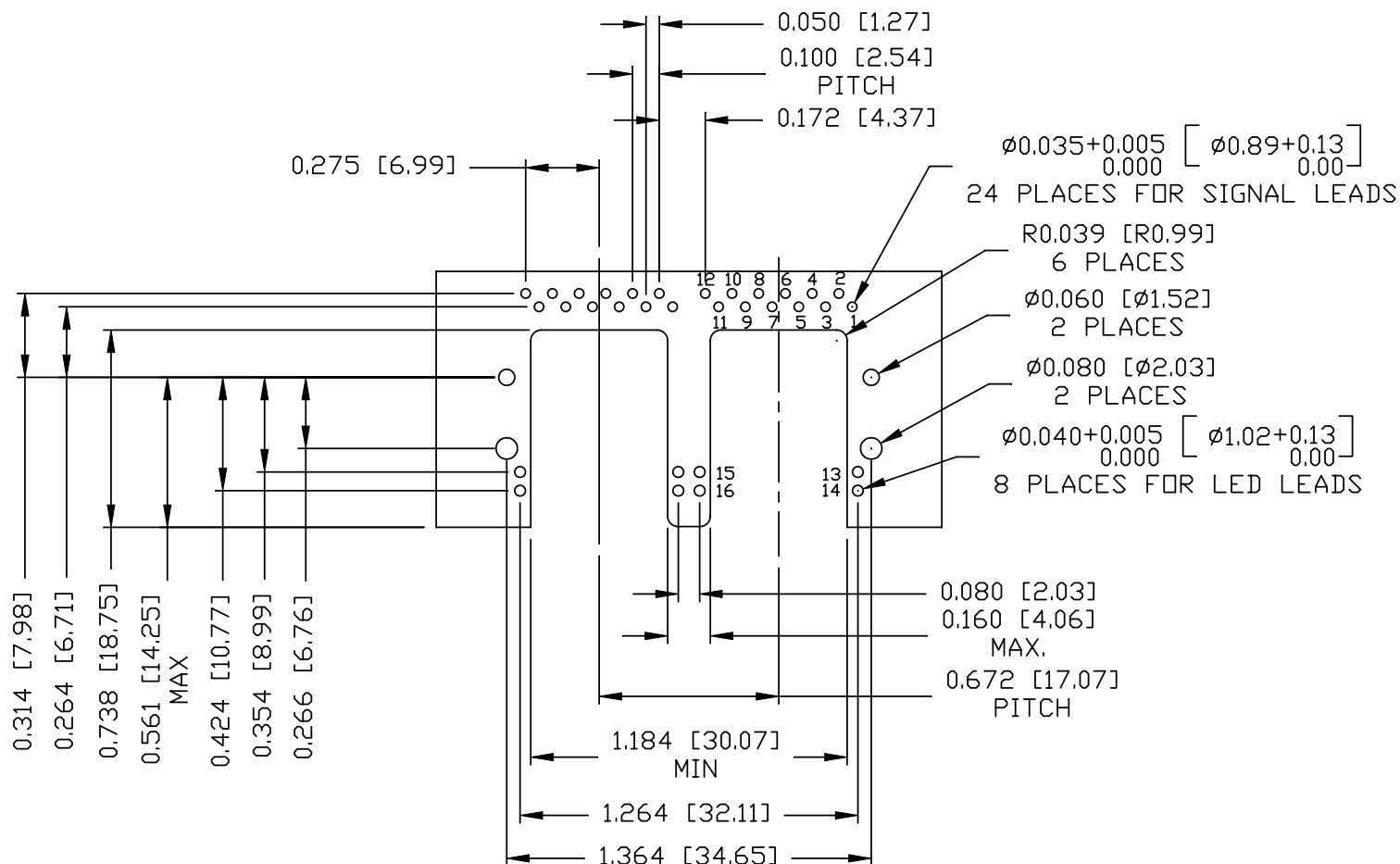
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LIU QIN	07-21-09	Gigabit MagJack®	L886-1C2T-GA	.X	UNIT : INCH [mm]
DRAWN BY	DATE	NanoJack, Extend Temperature PATENTED	FILE NAME	.XX	SCALE : N/A
XIAN JIAXIN	07-21-09		L886-1C2T-GA_PA.DWG	.XXX ±0.010	REV. : PA
					SIZE : A4
					PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

PRELIMINARY

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
LIU QIN	07-21-09	Gigabit MagJack® NanoJack, Extend Temperature PATENTED	L886-1C2T-GA		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
XIAN JIAXIN	07-21-09		L886-1C2T-GA_PA.DWG	.XX .XXX ±0.004	PAGE : 4	

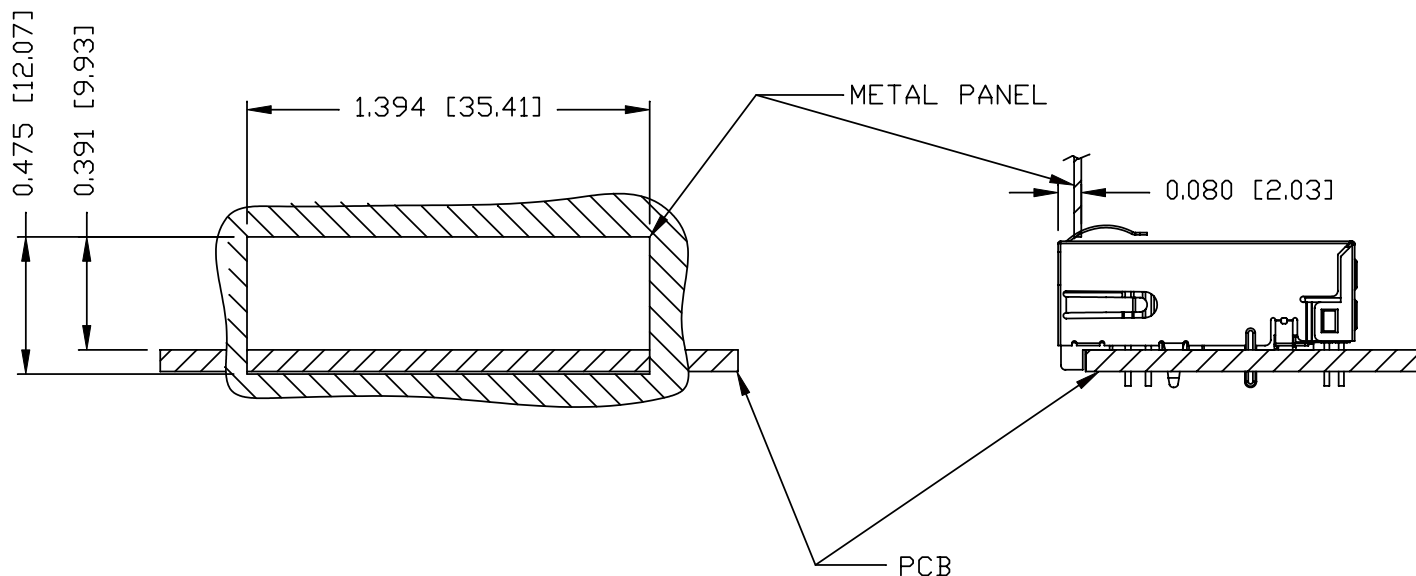
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SUGGESTED PANEL OPENING



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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
LIU QIN	07-21-09	Gigabit MagJack® NanoJack, Extend Temperature PATENTED	L886-1C2T-GA FILE NAME L886-1C2T-GA_PA.DWG	.X	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE			.XX	SCALE : N/A	SIZE : A4
XIAN JIAXIN	07-21-09			.XXX ±0.004		PAGE : 5

