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RoHS
2002/95/EC



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

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 (0-70 Deg. C) 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
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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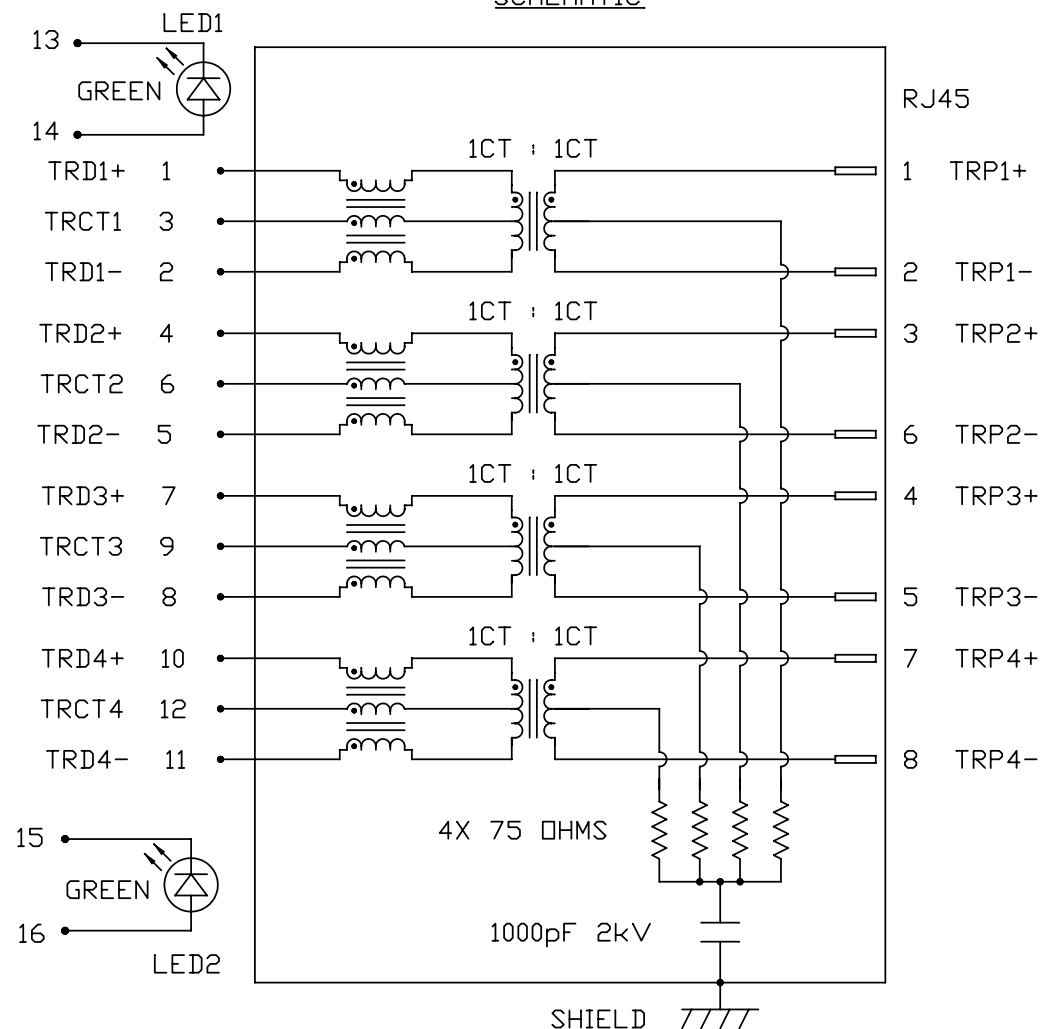
HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1&2

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

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHOW WANGCHUNG	06-07-11	Gigabit MagJack® NanoJack (50 Micro-Inch Hard Gold Plating of -BF) PATENTED	L886-1G2T-CN	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A REV. : C SIZE : A4 PAGE : 2
DRAWN BY	DATE		FILE NAME		
TAN QIGUANG	06-07-11		L886-1G2T-CN_C.DWG		

DC002(2)051509

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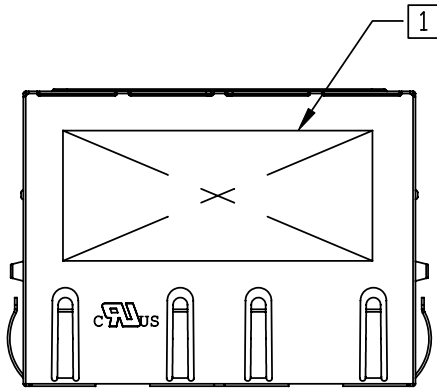
bel
COMPONENTS FOR A
CONNECTED
PLANET

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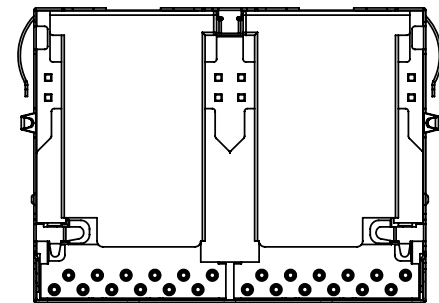
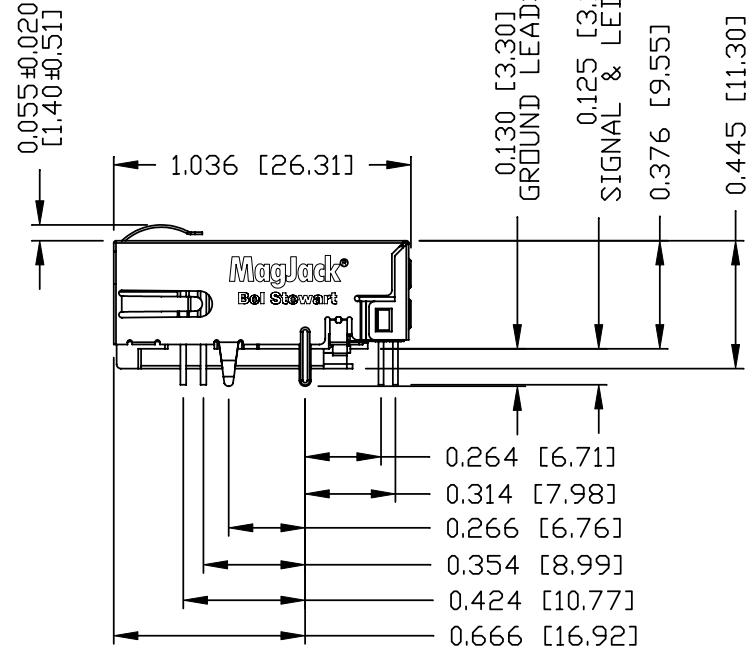
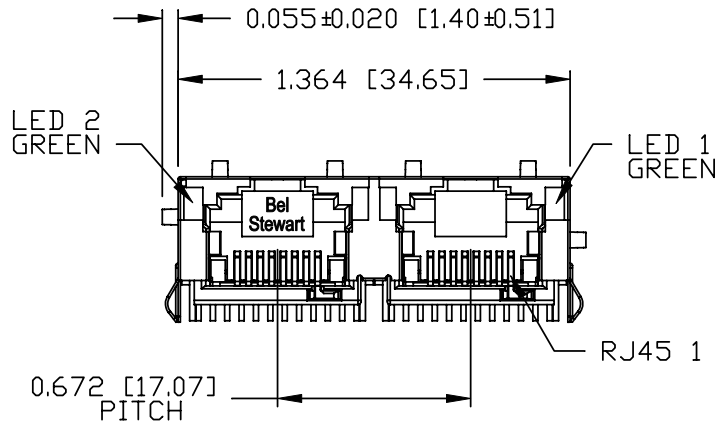
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MECHANICAL SPECIFICATION



TOP VIEW



BOTTOM VIEW

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 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 Gigabit MagJack® NanoJack (50 Micro-Inch Hard Gold Plating of -BF) PATENTED	PART NO. / DRAWING NO. L886-1G2T-CN	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
CHEN BILL	06-07-11			.X		UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE		FILE NAME L886-1G2T-CN_C.DWG	.XX		SCALE : N/A	SIZE : A4
HE ZHEN	06-07-11			.XXX	±0.010		PAGE : 3

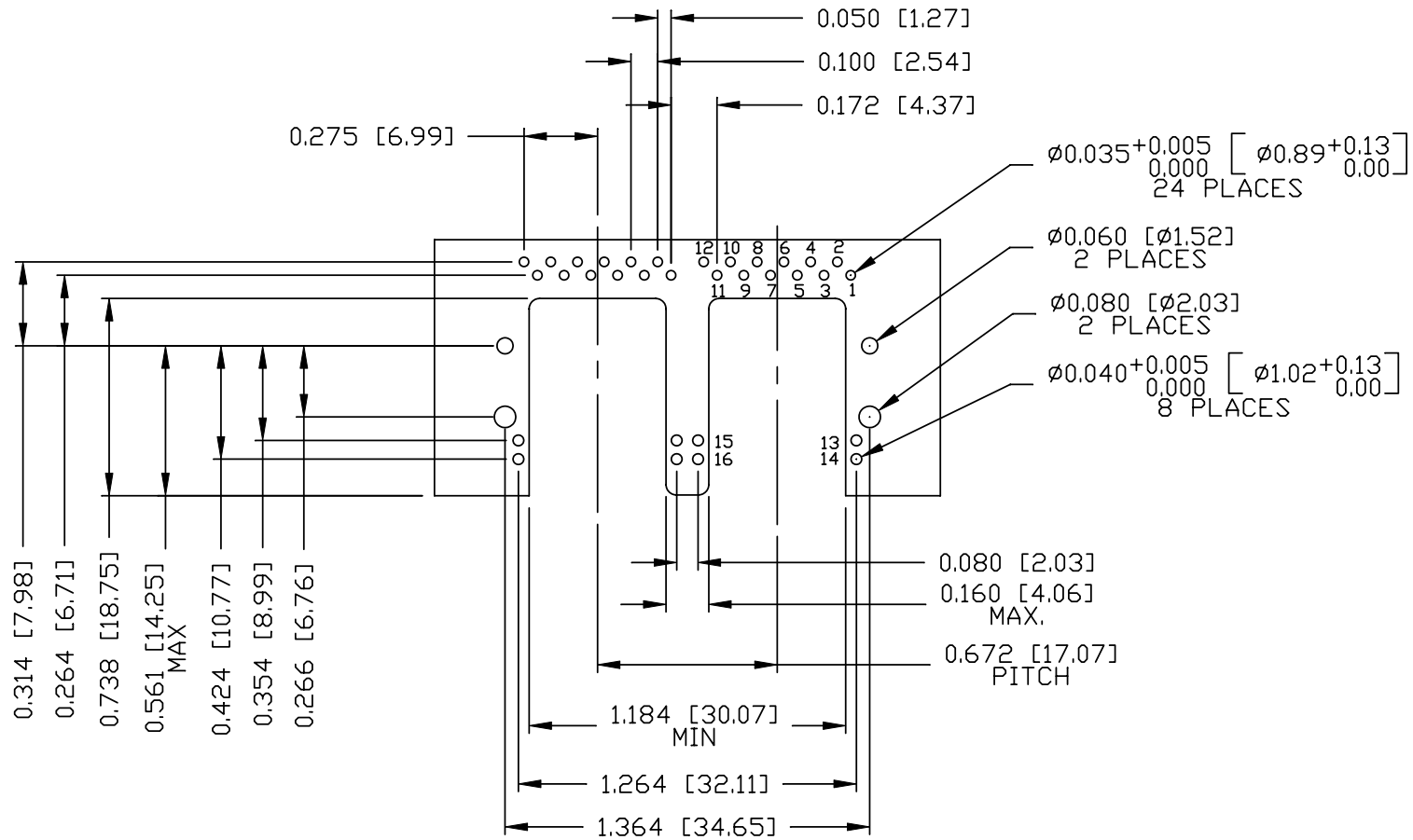


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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



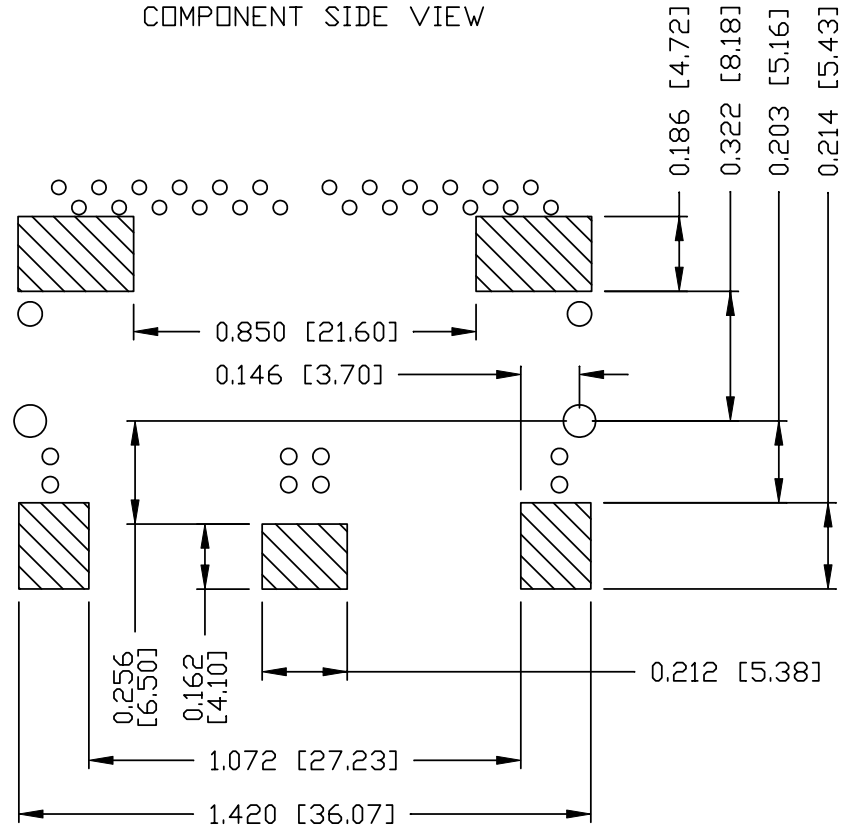
ORIGINATED BY	DATE	TITLE Gigabit MagJack® NanoJack (50 Micro-Inch Hard Gold Plating of -BF) PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	06-07-11		L886-1G2T-CN	TOL. IN INCH	UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE	FILE NAME	.X	SCALE : N/A	SIZE : A4		
HE ZHEN	06-07-11	L886-1G2T-CN_C.DWG	.XX	±0.004	PAGE : 4		

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NOTES

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

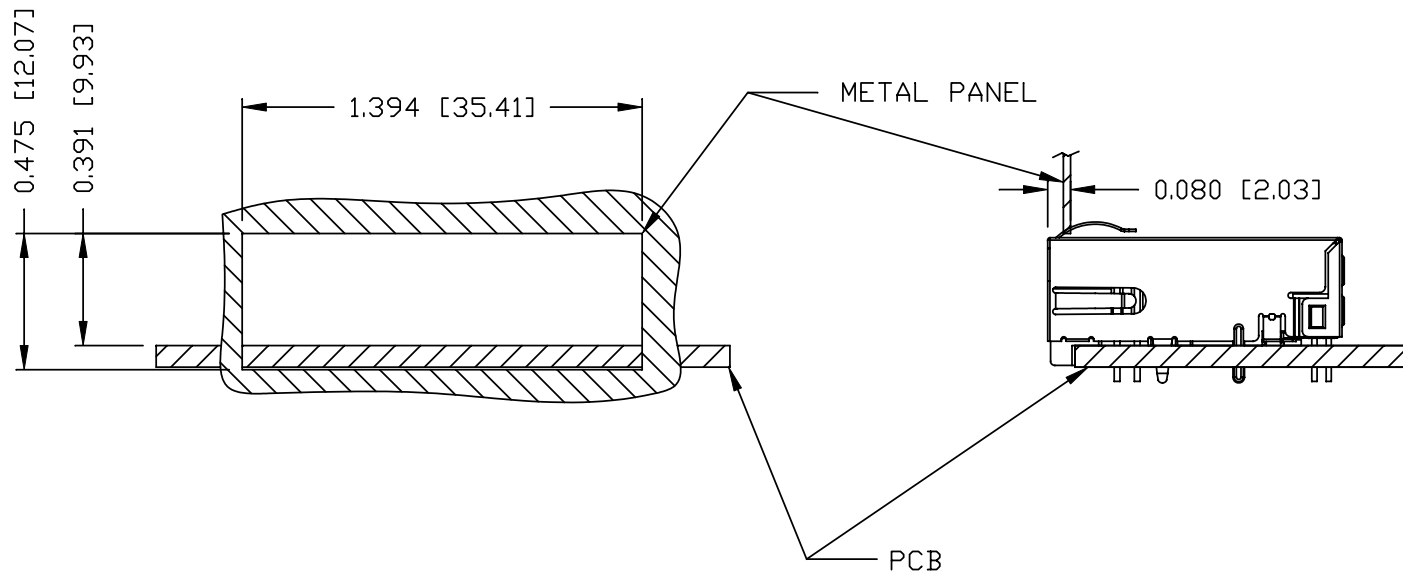
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				.X		UNIT : INCH [mm]	SCALE : N/A		
DRAWN BY HE ZHEN	DATE 06-07-11		FILE NAME L886-1G2T-CN_C.DWG	.XX					COMPONENTS FOR A CONNECTED PLANET
				.XXX	±0.004			PAGE : 5	

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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

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

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