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LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
-	+	YELLOW	-	+	/	ORANGE
/	/	/	/	+	-	GREEN
/	/	/	-	+	-	MIXED YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS

8mA DC BIAS	(0-70 Deg. C) 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 +/-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 / 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

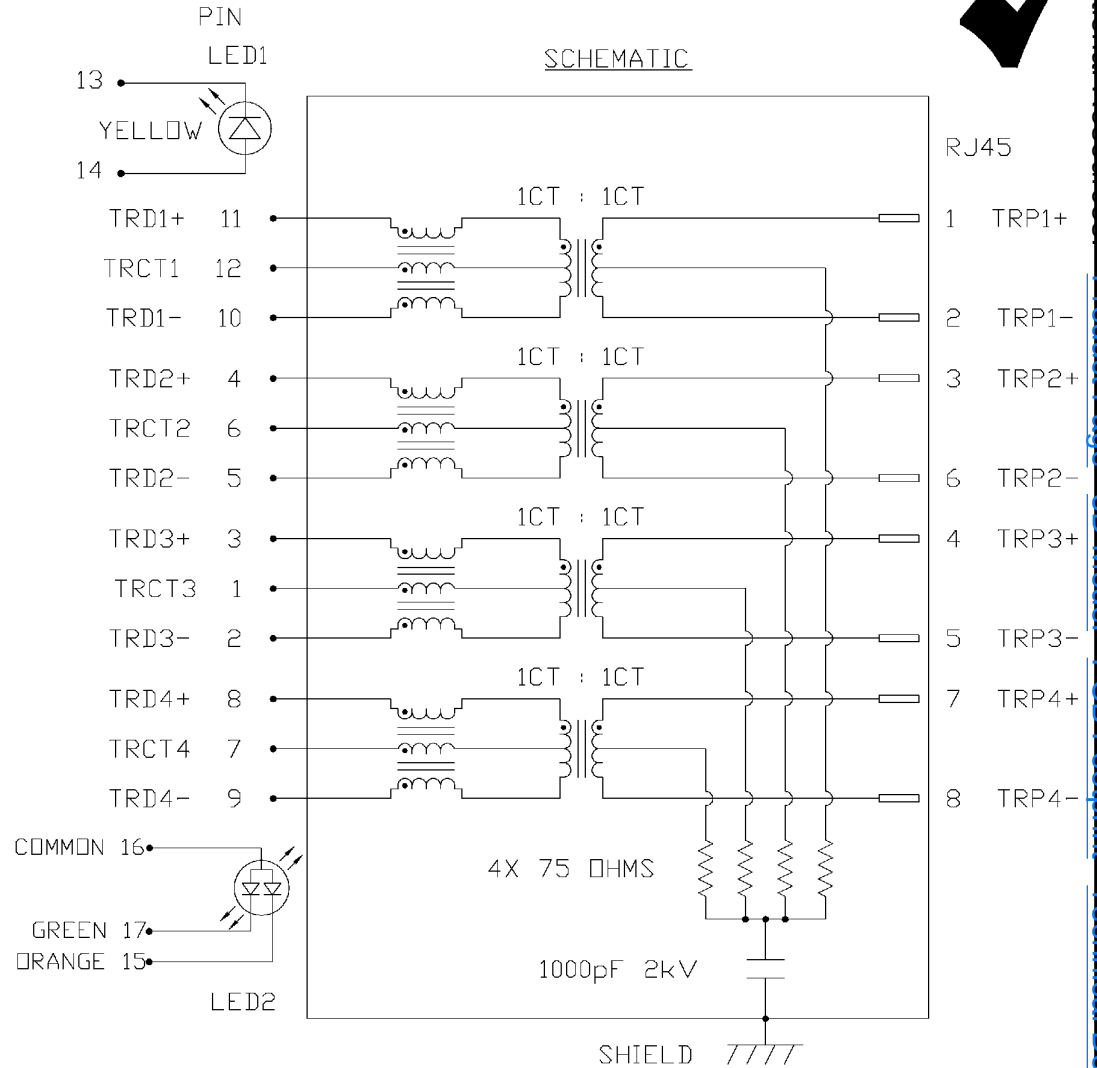
LED 1

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

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW GREEN 2.2V TYP.
		AMBER 2.1V TYP.
AD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW GREEN 570nm TYP.
		AMBER 607nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.



RoHS
2002/95/EC

Additional Resources: [Product Page](#) [3D Model](#) [PCB Footprint](#) [Technical Documentation](#)

ORIGINATED BY	DATE	TITLE gigabit MagJack® (Ultra Low Profile)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOU WANCHONG	03-17-08		L836-1JX1-43	TOL. IN INCH		UNIT : INCH [mm]		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A		
DENG PING	03-17-08		L836-1JX1-43_A.DWG	.XX		SIZE : A4		
			.XXX			PAGE : 2		

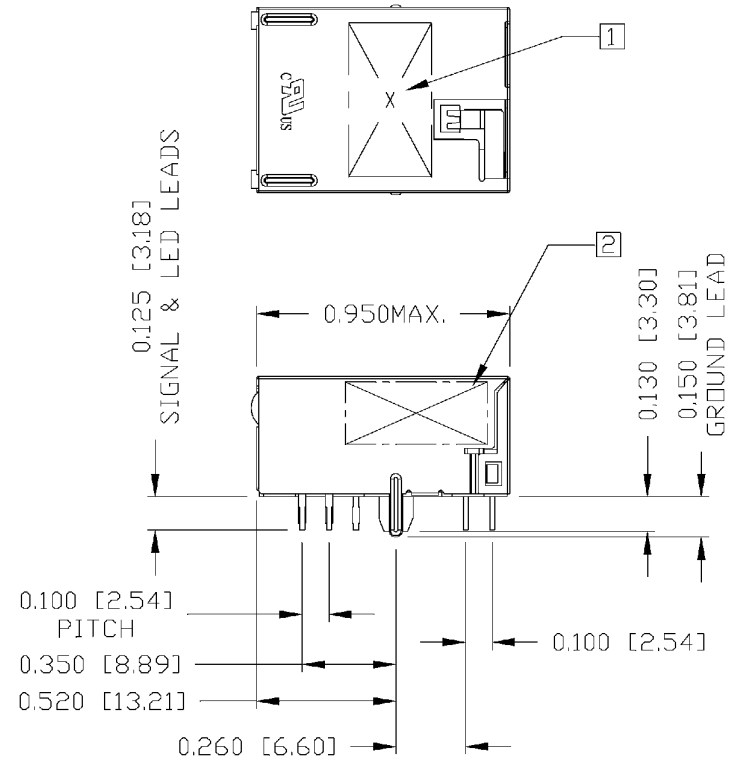
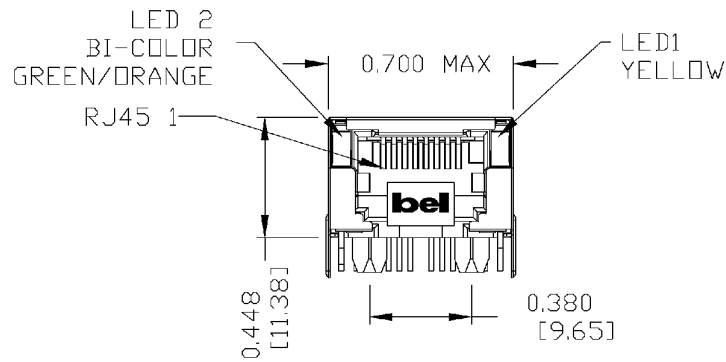
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MECHANICAL SPECIFICATION

RoHS
2002/95/EC



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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 (GROUND LEADS ARE SOLDER DIPPED)
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
- ① MARK PART WITH PART NUMBER(L836-1JX1-43) AND DATE CODE.
- ② MARK PART WITH MFG. LOGO, MFG. NAME.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- US UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	03-17-08	gigabit MagJack® (Ultra Low Profile)	L836-1JX1-43		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
WEI SHAOYI	03-17-08		L836-1JX1-43_A.DWG	.XX .XXX ±0.010		PAGE : 3

C002(2)032305

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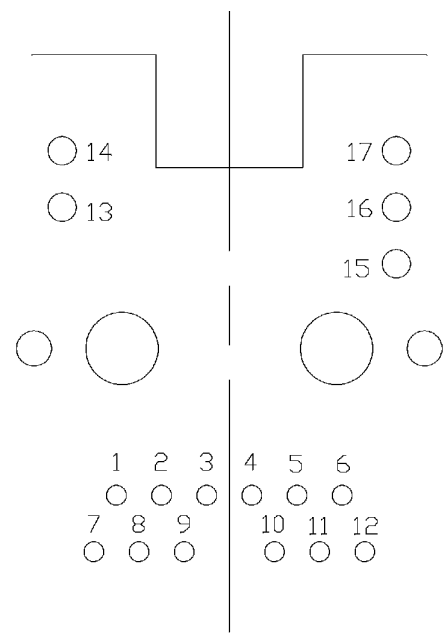
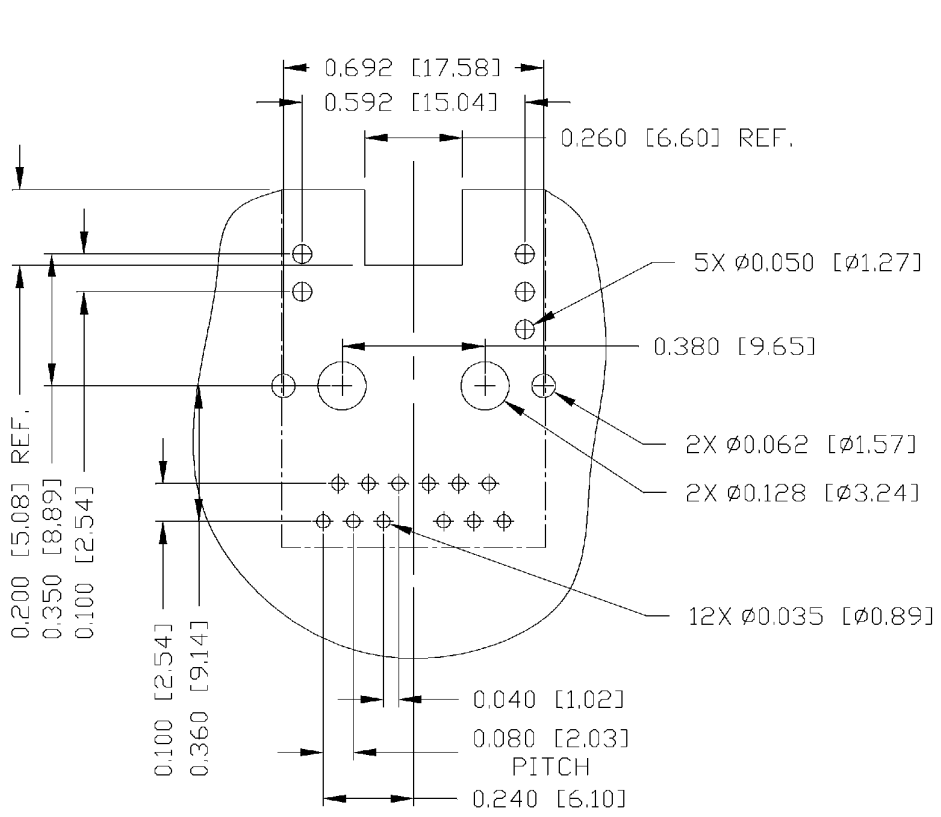


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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



PIN-OUT INFORMATION
(SCALE 1.5:1)

FOR ONE UNIT

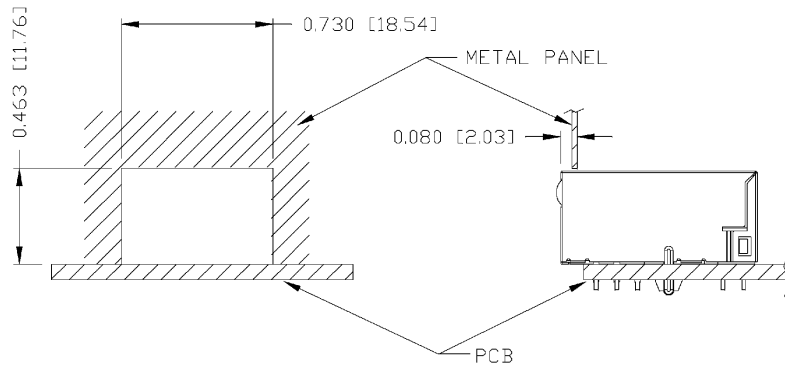
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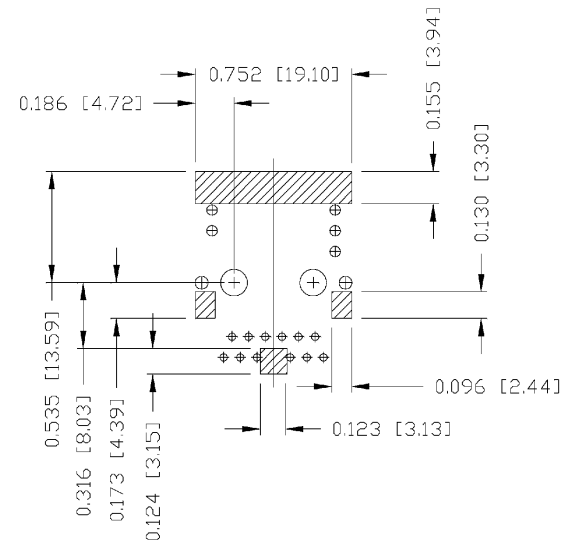
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THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING 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)



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

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DRAWN BY	DATE		FILE NAME	.X	 ±0.010	SCALE : N/A	SIZE : A4	
WEI SHAOYI	03-17-08		L836-1JX1-43_A.DWG	.XX		PAGE : 5		
			.XXX					