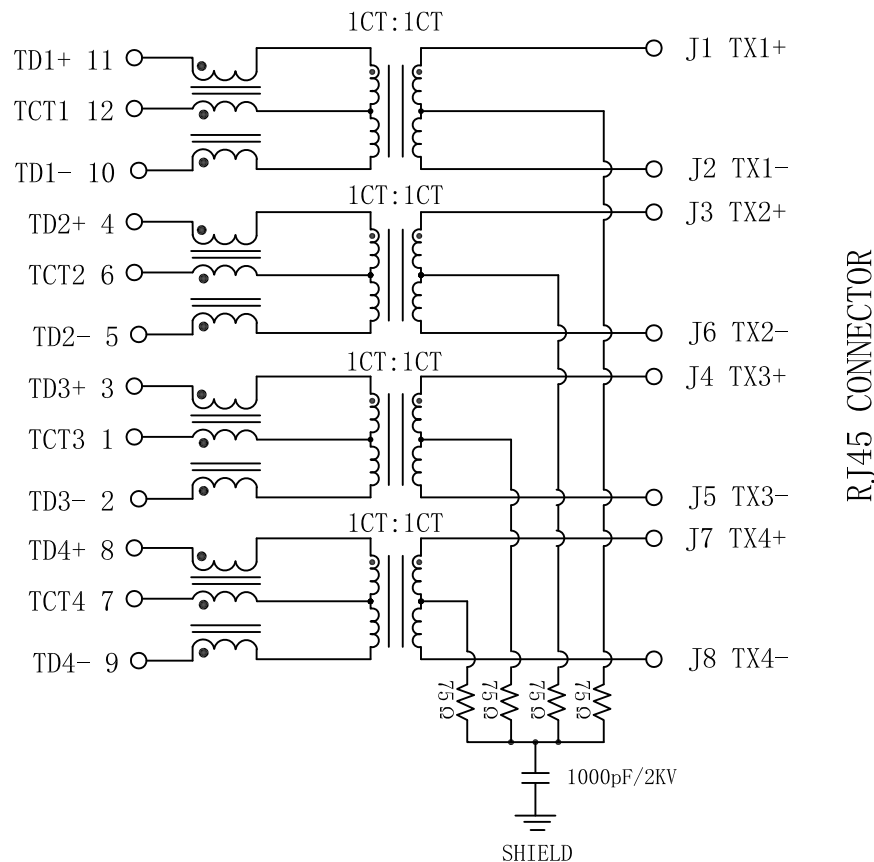


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-11-06	

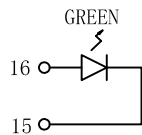
PC BOARD CONNECTIONS



RJ45 CONNECTOR

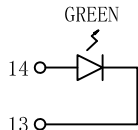
- Electrical Specifications @25°C
- 1.OCL(@100KHz, 100mV, 8mA DC Bias):
350uH min
 - 2.Turns Ratio(±2%):
1CT : 1CT
 - 3.Insertion Loss:
1~100MHz:-1.0dB max
 - 4.Return Loss(dB min):
1~10MHz:-20 ; 30MHz:-16
60~80MHz:-12 ; 80~100MHz:-10
 - 5.Crosstalk(dB min):
1~10MHz:-40 ; 32~65MHz:-35
65~100MHz:-30
 - 6.Common Mode Rejection(dB min):
1~125MHz:-30 ; 125~500MHz:-20
 - 7.Hi-Pot: 1500Vrms @60Hz
 - 8.Operating Temperature: -40°C~+85°C.

Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max



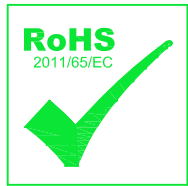
LEFT LED

LED POLARITY		COLOR
PIN 16	PIN 15	GREEN
+	-	



RIGHT LED

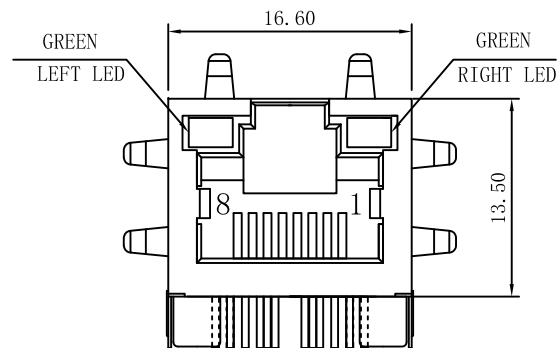
LED POLARITY		COLOR
PIN 14	PIN 13	GREEN
+	-	



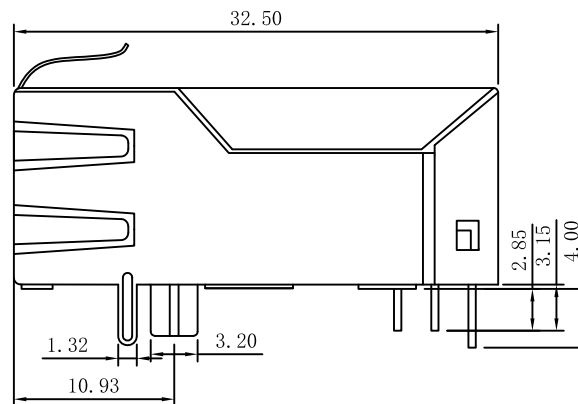
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: LPJK4036AWNL	
		SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO.: LP08110643		

Mechanical:

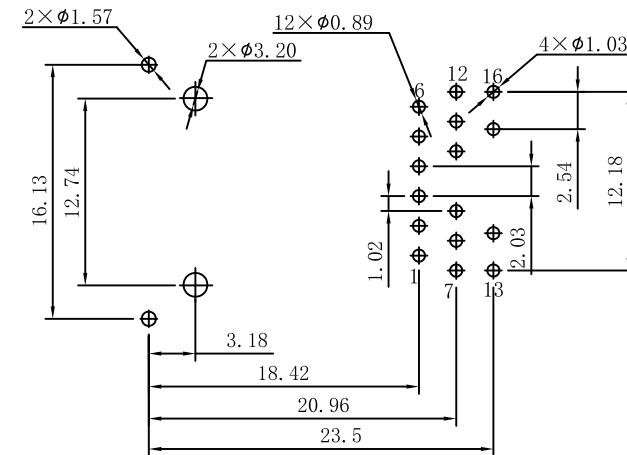
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-11-06	



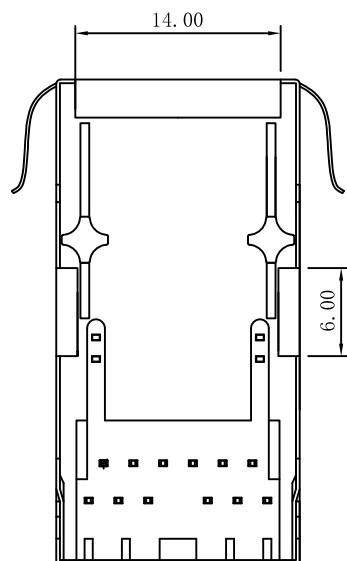
Front Side View



Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches Min. In contact area.
4. Wave peak temperature: 260°C Max, 5Sec.
5. UL Certification: File Number E484635.



X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: LPJK4036AWNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP08110643