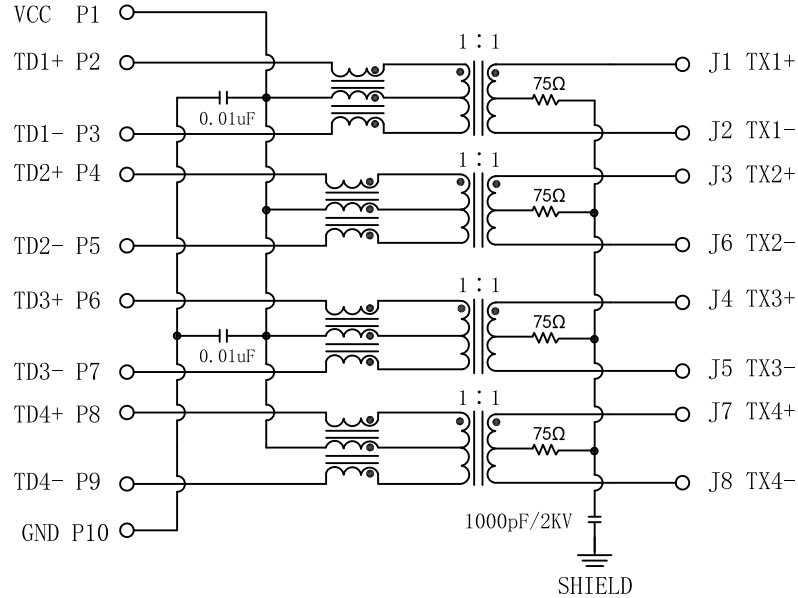


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-11-04	

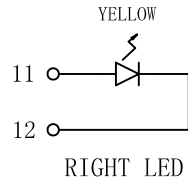
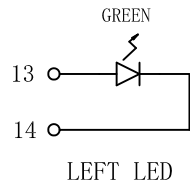
PC BOARD CONNECTIONS



RJ45 CONNECTOR

## Electrical Specifications @25°C

1. Impedance: 100 ohms
2. OCL: 350uH Min  
@100KHz, 0.1V, 8mA DC BIAS
3. Turns Ratio:  
Pri : Sec = 1 : 1 ±3%
4. Insertion Loss:  
1-100MHz: -1.1dB Max
5. Return Loss(dB Min):  
1-40MHz: -18      60MHz: -14  
80MHz: -12      100MHz: -10
6. Crosstalk:  
1-100MHz: -35dB Typ
7. Common Mode Rejection(dB Typ):  
0.1-30MHz: -38      30-60MHz: -35  
60-100MHz: -30
8. Isolation Voltage: 1500Vrms
9. Operating Temperature: 0°C ~ 70°C.

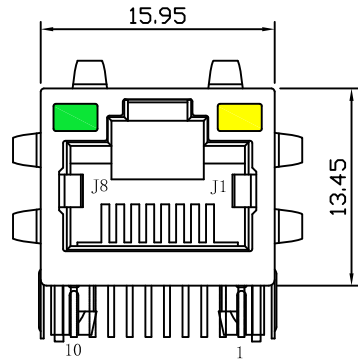


Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

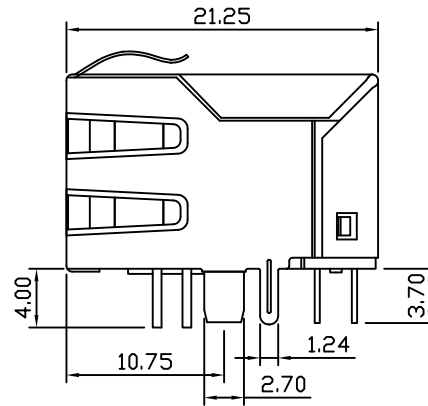
X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics		
X:XXX ±0.05	DR: TOM	PART NO.: LPJG16373AENL		
ANGLES ±1°	UNIT: mm			
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP14120419

# Mechanical:

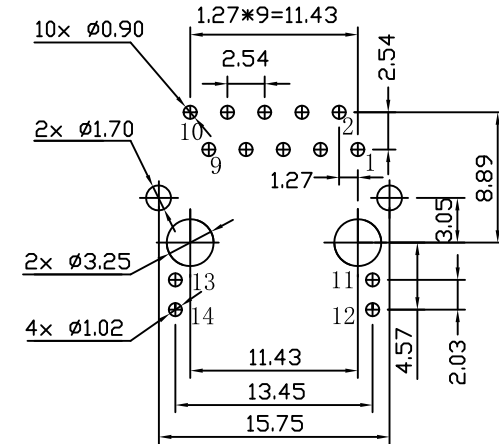
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-11-04	



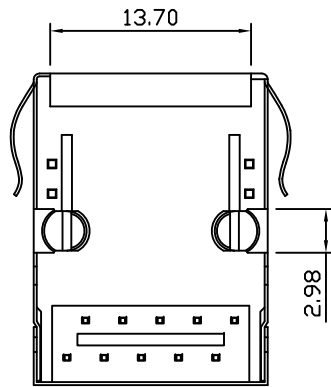
Front Side View



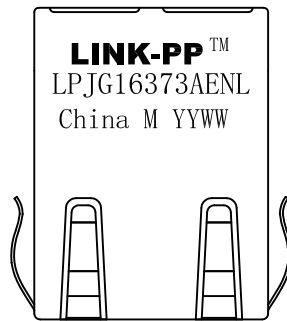
Left Side View



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 IEEE802.3 specification
3. Connector Materials:  
 Housing: Thermoplastic PBT+30%G. F UL94V-0  
 Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm  
 Pins: Brass C2680R-H Thickness=0.35mm  
 Shield: SUS 201-1/2H Thickness=0.2mm  
 Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max, 5 Sec Max.
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.: LPJG16373AENL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP14120419