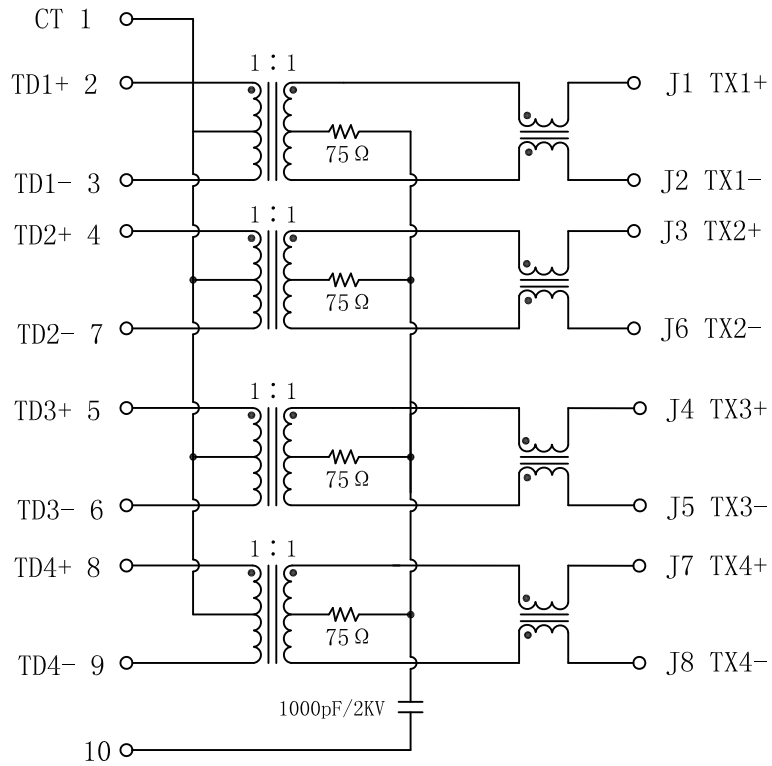


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-22	

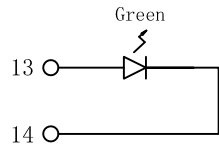
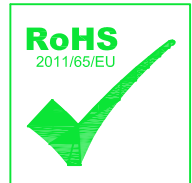
PCB CONNECTIONS



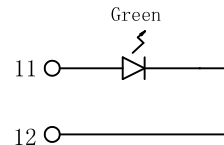
RJ45 CONNECTOR

Electrical Specification @25°C

- Turns Ratio ($\pm 2\%$) :
TX=1CT:1CT RX=1CT:1CT
- Insertion Loss:
0.1-0.9MHz: -1.0dB Max
0.9-100MHz: -1.1dB Max
- Return Loss(dB Min) :
0.1-15MHz:-18 15-60MHz:-16
60-80MHz:-15 80-100MHz:-12
- Crosstalk(dB Min) :
0.1-0.9MHz:-43 1-15MHz:-35
15-30MHz:-26 30-100MHz:-24
- CMR(dB Min) :
0.1-30MHz:-46 30-100MHz:-42
- Isolation Voltage: 1500Vrms
- Operating Temperature: 0°C ~70°C.



Left LED



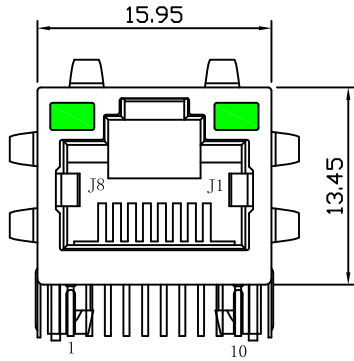
Right LED

Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
Green	570	1.8~2.6V	10 μ A max

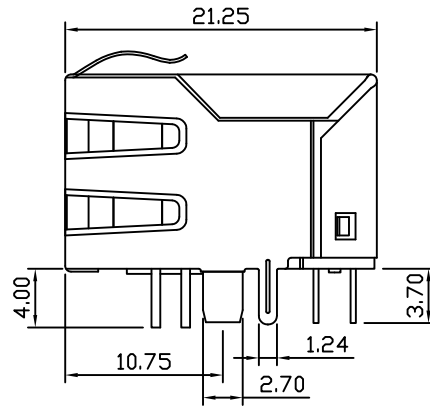
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
X:XXX	± 0.05	DR: TOM	PART NO. : LPJG16304AFNL	
ANGLES	$\pm 1^\circ$	UNIT: mm	DWG NO. : LP14072210	
	SCALE: 2/1	SHEET: 1/2	REV: A	

Mechanical:

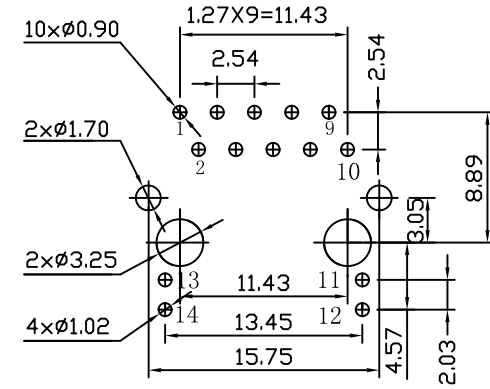
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-22	



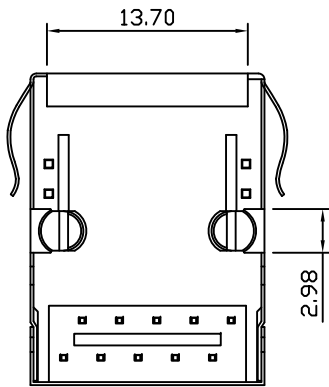
Front Side View



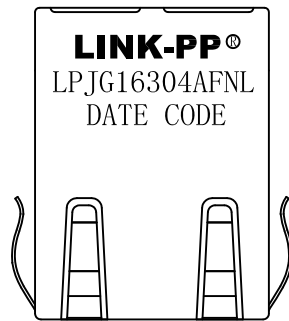
Left Side View



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 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
 Wave solder tip temperature time: 5 Sec Max

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.: LPJG16304AFNL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP14072210