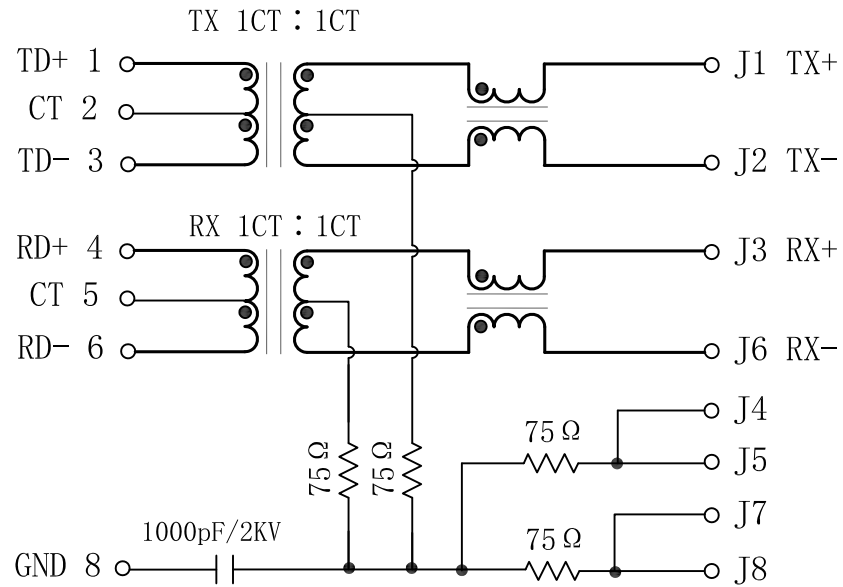


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		17/07/2008	

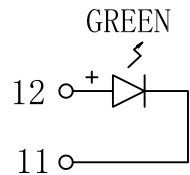
PC BOARD CONNECTIONS



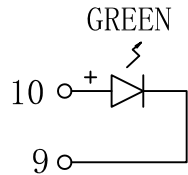
RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL: 350uH MIN
@100KHz, 100mV, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @1~65MHz
- Return Loss:
-20dB MIN @1~10MHz
-16dB MIN @10~30MHz
-12dB MIN @30~60MHz
-10dB MIN @60~80MHz
- Cross talk:
-40dB MIN @1~30MHz
-35dB MIN @30~60MHz
-30dB MIN @60~100MHz
- Common Mode Rejection:
-30dB MIN @1~50MHz
-20dB MIN @50~150MHz
- Hipot Test: 1500Vrms @60Hz
- Operating Temperature Range: 0°C~70°C



LEFT LED



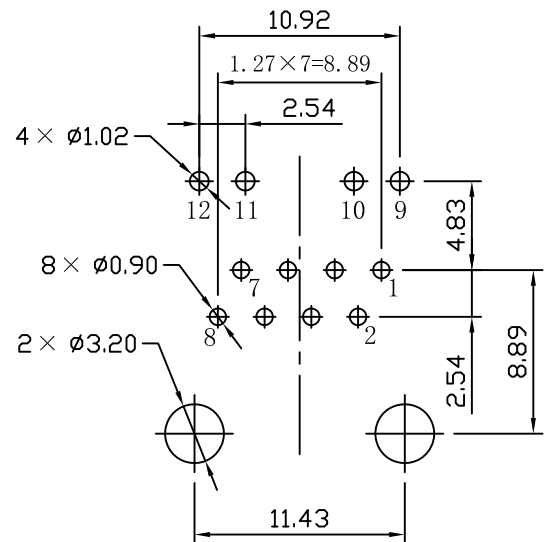
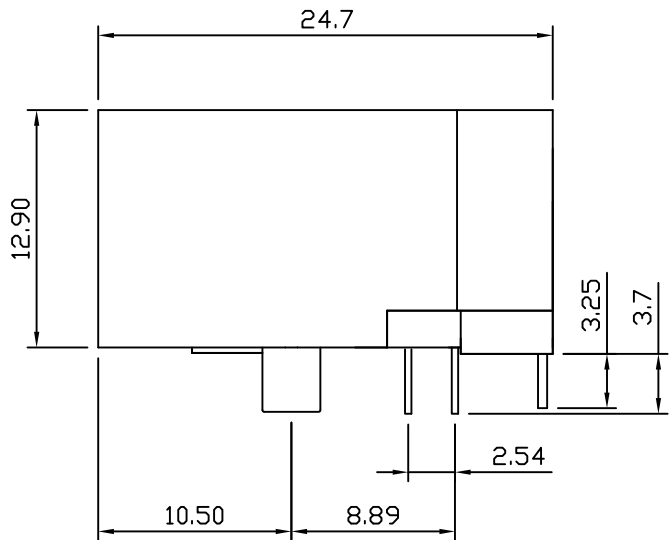
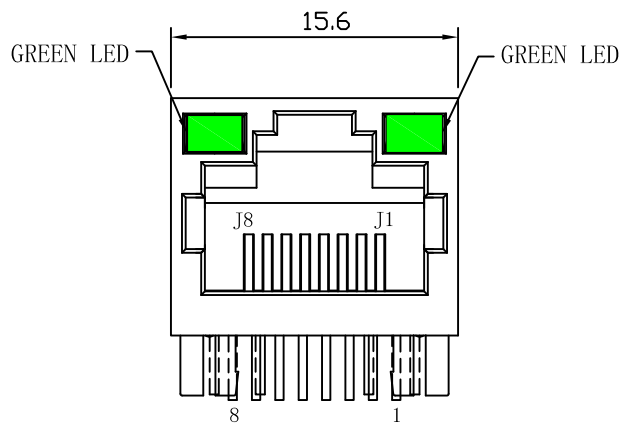
RIGHT LED

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

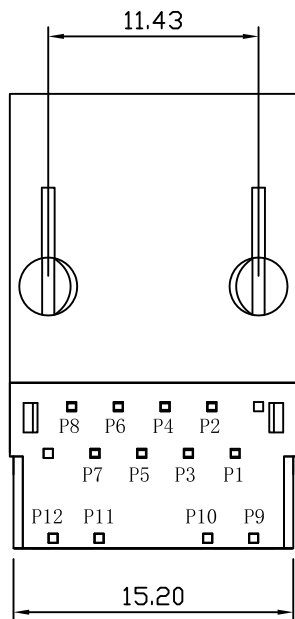


X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJ1014NWNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP08071718

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		17/07/2008	



SUGGESTED PCB LAYOUT (TOP 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
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 10/100 Base-TX Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: LPJ1014NWNL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP08071718		