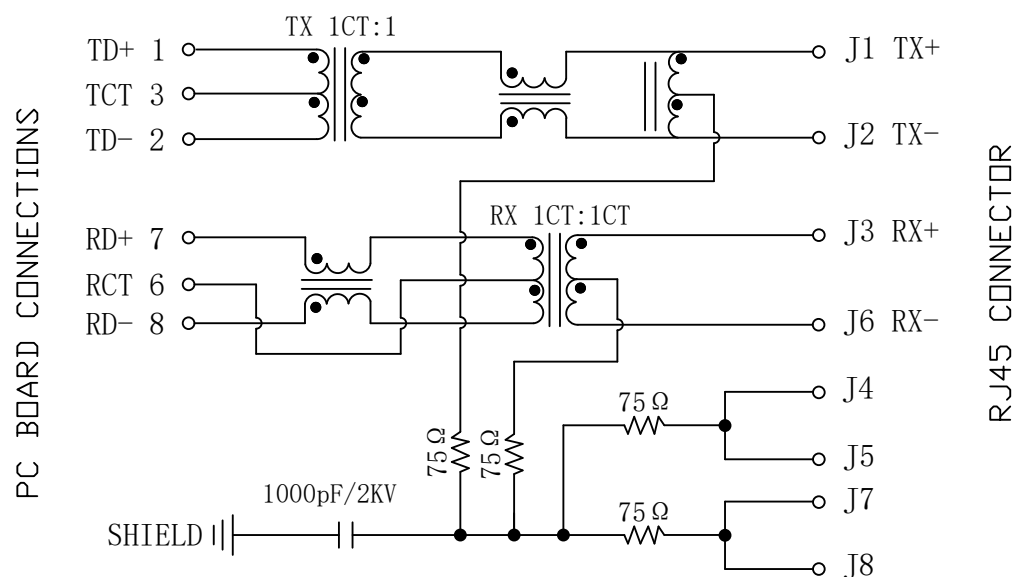


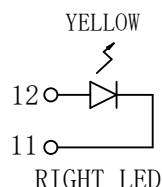
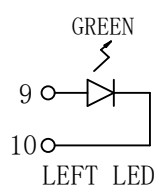
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		25/12/2007	



ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 2\%$):
TX=1CT:1 RX=1CT:1CT
- Inductance OCL: 350uH MIN
@100KHz/0.1V, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @1.0-100MHz
- Return Loss:
-18dB MIN @1-30MHz
-16dB MIN @30-60MHz
-12dB MIN @60-80MHz
- Cross talk:
-30dB MIN @1-100MHz
- Common Mode Rejection:
-30dB MIN @1-100MHz
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: -40°C TO +85°C



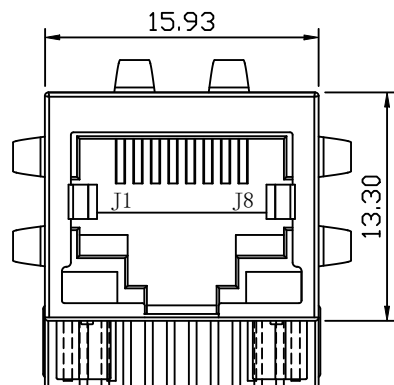
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



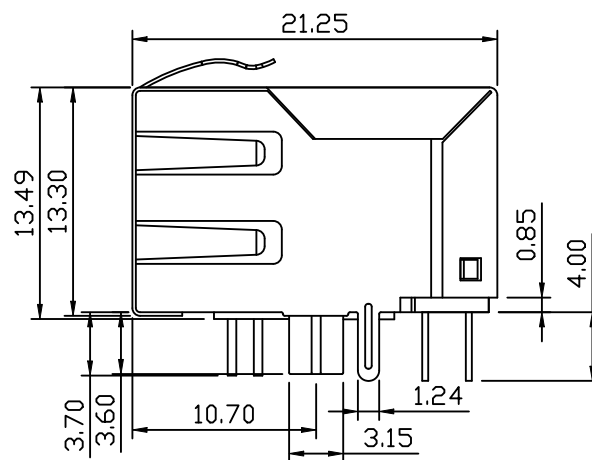
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	± 0.25	CHKD: JAMES	
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector 10/100 Base-TX With Integrated Magnetics
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO. : LPJ4025ABNL	
	SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO. : LP07122510	

Mechanical:

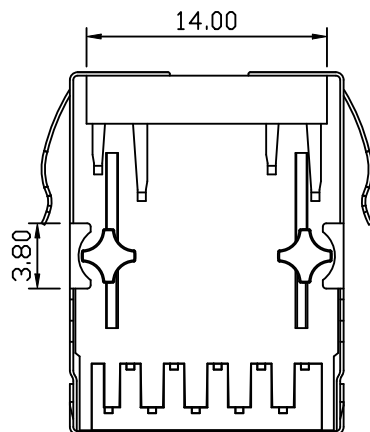
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		25/12/2007	



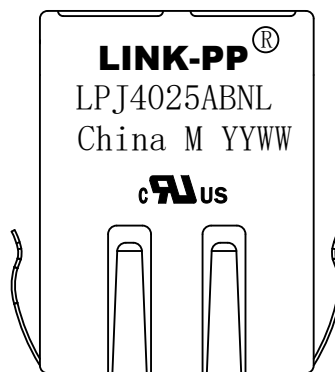
Front Side View



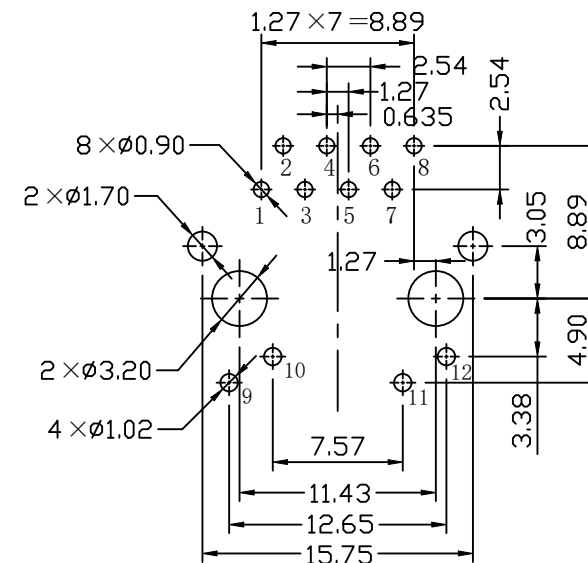
Left Side View



Bottom Side View



Top Side View



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 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 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.
5. UL Certification: File Number E484635.

X:X	±0.30	APPD:	TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.25	CHKD:	JAMES	
X:XXX	±0.05	DR:	LEO	TITLE: RJ45 Connector 10/100 Base-TX With Integrated Magnetics
ANGLES	±1°	UNIT:	mm	PART NO.: LPJ4025ABNL
		SCALE:	2/1	SHEET: 2/2
		REV:	A	DWG NO.: LP07122510