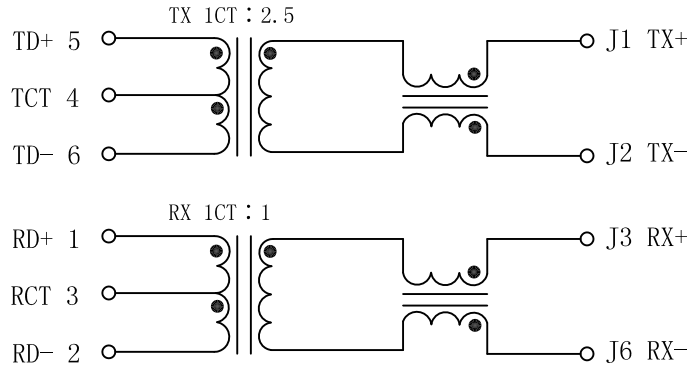


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-11-10	

PC BOARD CONNECTIONS

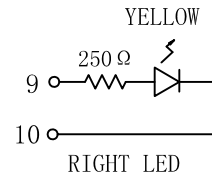
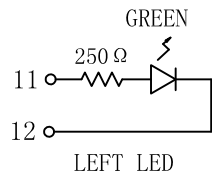


RJ45 CONNECTOR

Electrical Specifications @25°C

- Turns Ratio ($\pm 2\%$) :
TX=1CT : 2.5 RX=1CT : 1
- OCL: 140uH MIN @100KHz/0.1V
- LL: 0.3uH MAX @100KHz/0.1V
- C_{ww}: 15pF TYP @100KHz/0.1V
- Isolation Voltage: 1500Vrms
- Operating Temperature: 0°C ~ 70°C

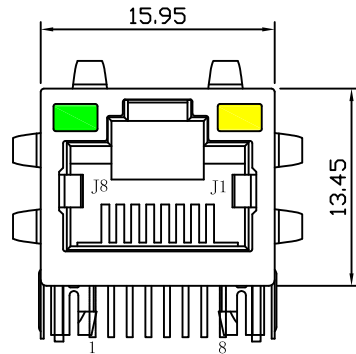
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



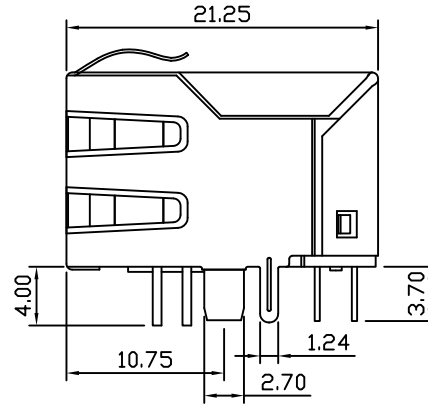
X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.25	CHKD:	
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10 Base-T Integrated Magnetics TAB-UP
ANGLES ±1°	UNIT: mm	PART NO.: LPJ16251A28NL
	SCALE: 2/1	SHEET: 1/2
	REV: A	DWG NO.: LP08111002

Mechanical:

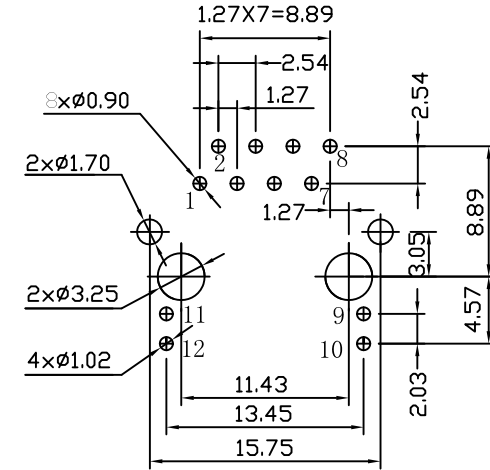
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-11-10	



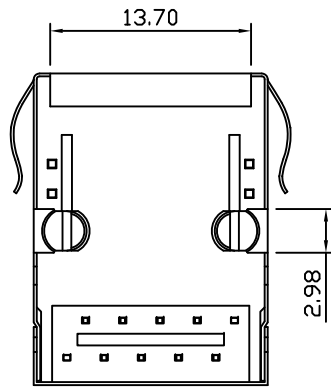
Front Side View



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, 5 Sec.
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 Base-T Integrated Magnetics TAB-UP
ANGLES ±1°	UNIT: mm	PART NO.: LPJ16251A28NL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP08111002