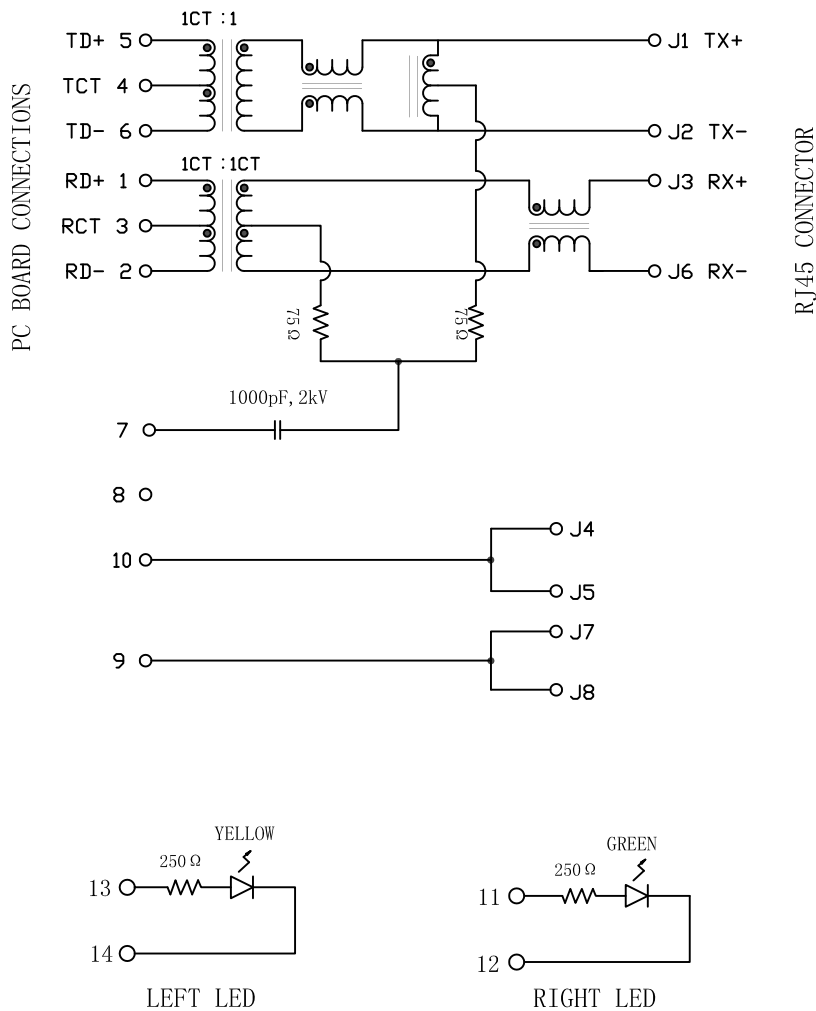


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-12-18	



Electrical Specifications: @25°C

1. Impedance: 100 OHMS
2. Turns Ratio:
TX=1CT:1 RX=1CT:1CT
3. Inductance OCL: 350uH Min
@100KHz, 0.1Vrms, 8mA DC Bias.
4. Insertion Loss:
0.5MHz-100MHz: -1.1dB Max
5. Return Loss(dB Min):
0.5-30MHz: -18
30.1-60MHz: -16-20log(f/30)
60.1-80MHz: -12
6. Crosstalk(dB Min):
0.5-40MHz: -35
40.1-100MHz: -33-20log(f/50)
7. Common Mode Rejection Ratio:
0.5-100MHz: -30dB Min
8. Isolation Voltage: 1500Vrms
9. Operating Temperature: 0°C ~ 70°C.

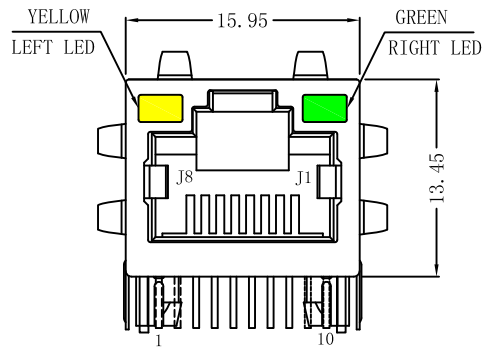


Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

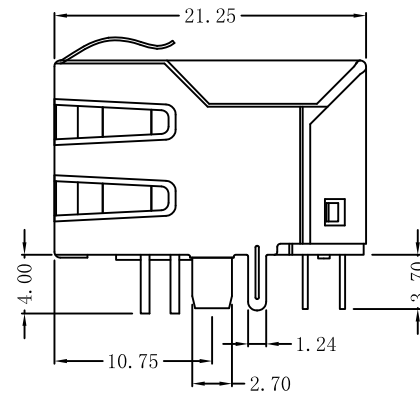
X:X ± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
X:XXX ± 0.05	DR: TOM			
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: LPJ16205A42NL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP08121802

Mechanical:

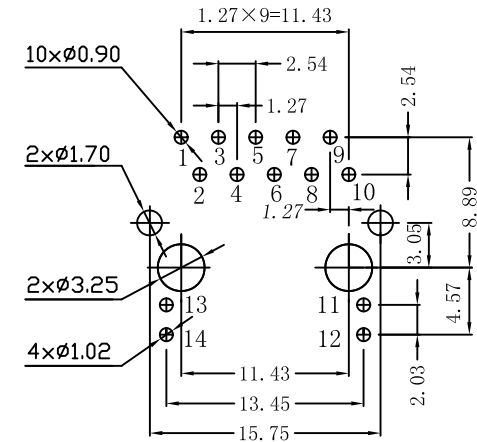
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-12-18	



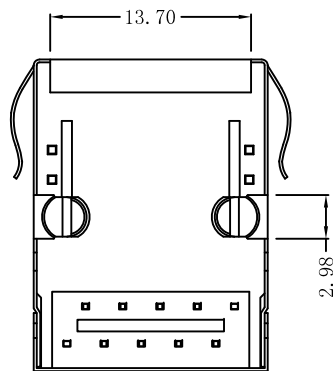
Front Side View



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 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ16205A42NL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP08121802