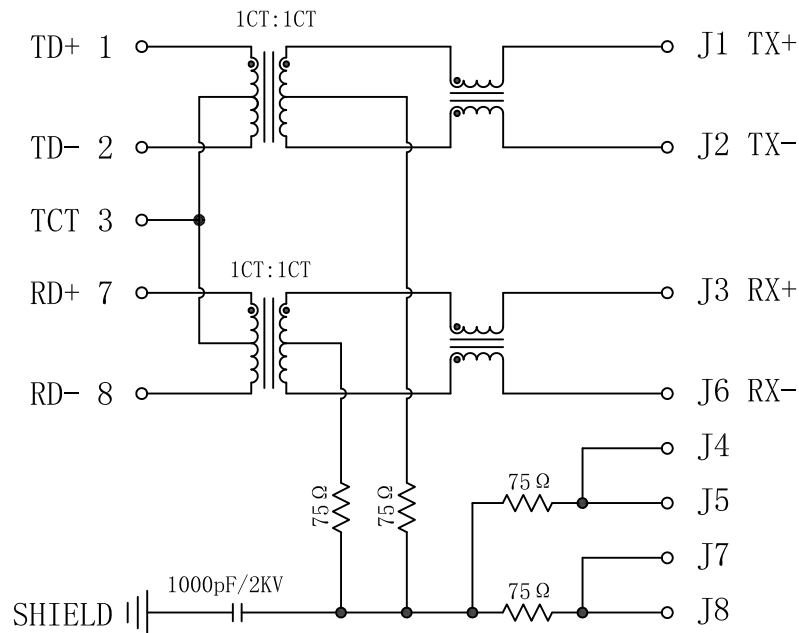


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		23/12/2008	

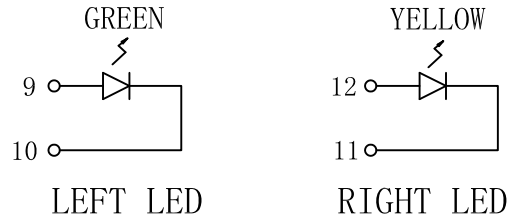
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- 1. Turn Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- 2. Inductance OCL: 350uH MIN
@100KHz/0.1V, 8mA DC Bias
- 3. Insertion Loss:
-1.0dB MAX @1-100MHz
- 4. Return Loss:
-18dB MIN @1-30MHz
-16dB MIN @30-60MHz
-12dB MIN @60-80MHz
- 5. Cross talk:
-30dB MIN @1-100MHz
- 6. Common Mode Rejection:
-30dB MIN @1-100MHz
- 7. Hipot Test: 1500Vrms MIN
- 8. Operating Temperature Range: 0°C TO 70°C.



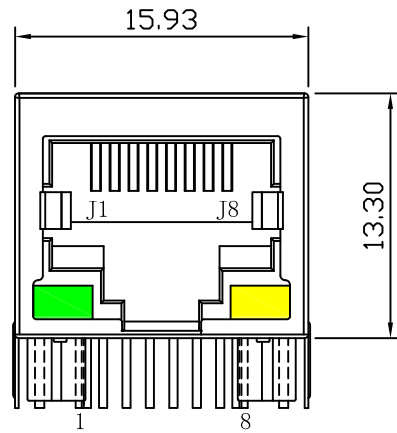
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



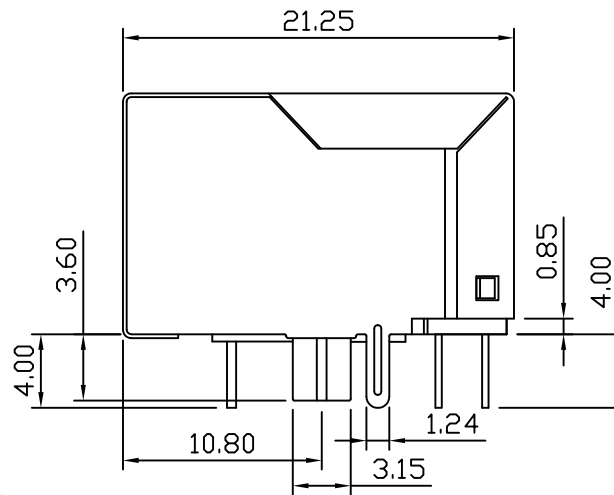
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJ0013FBNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP08122355

Mechanical:

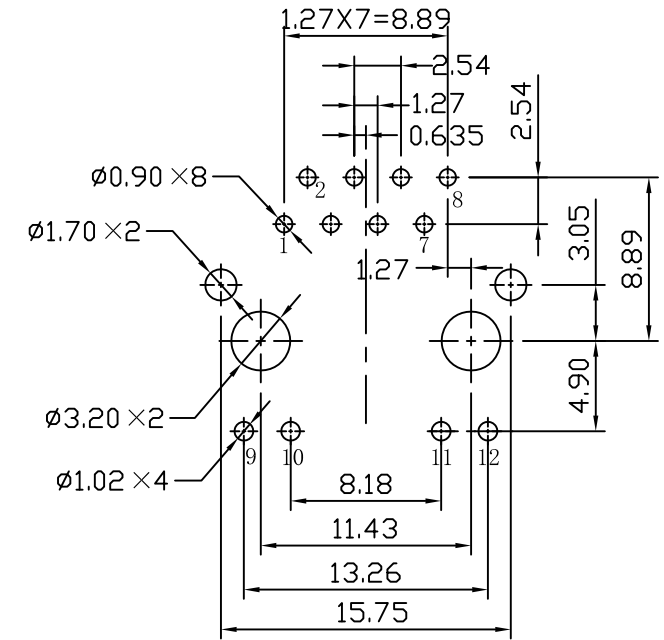
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		23/12/2008	



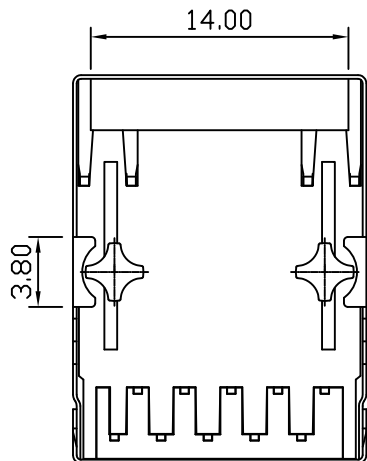
Front Side View



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 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 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 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 Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: LPJ0013FBNL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP08122355		