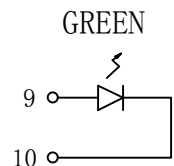
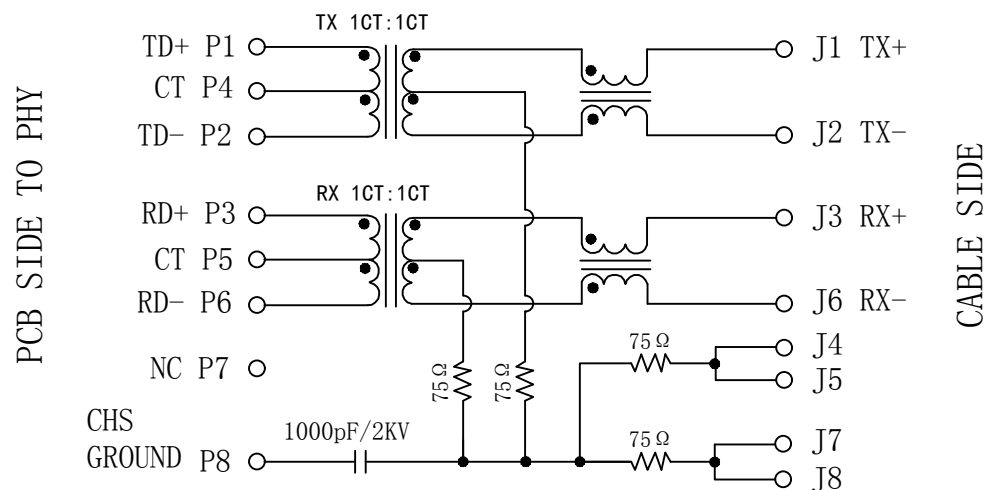
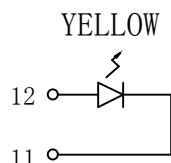


Schematic:

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



LEFT LED



RIGHT LED

Emitting Color	λ_p (nm)	$V_F @ I_F = 20\text{mA}$	$I_R @ V_R = 5\text{V}$
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max



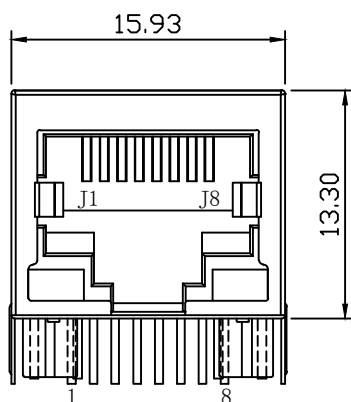
Electrical Specifications @25°C

- Turns Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance(100KHz/0.1V@8mA DC Bias):
350uH MIN
- Insertion Loss:
1-65MHz:-1.0dB MAX
- Return Loss(dB MIN):
1-10MHz:-20 10-30MHz:-16
30-60MHz:-12 60-100MHz:-10
- Crosstalk(dB MIN):
1-30MHz:-40 30-60MHz:-35
30-100MHz:-350
- CM to CM Rej:
0.1-1MHz:-70 10MHz:-47
30MHz:-42 60MHz:-37
100MHz:-30
- CM to DM Rej:
0.1-1MHz:-70 10MHz:-60
30MHz:-50 60MHz:-45
100MHz:-40
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: -40°C ~ +85°C.

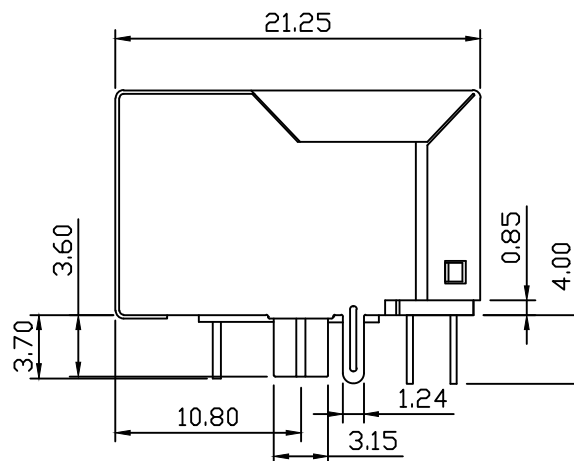
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD: JAMES	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetic	
X:XXX	± 0.05	DR: LEO		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJ4011FBNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP08122318

Mechanical:

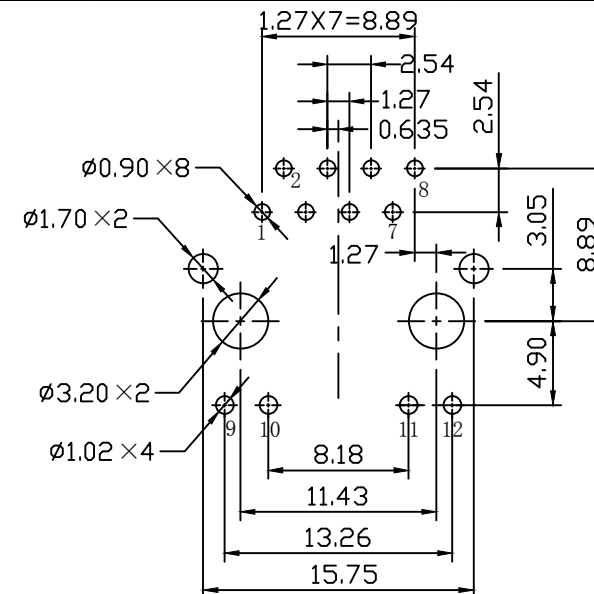
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		23/12/2008	



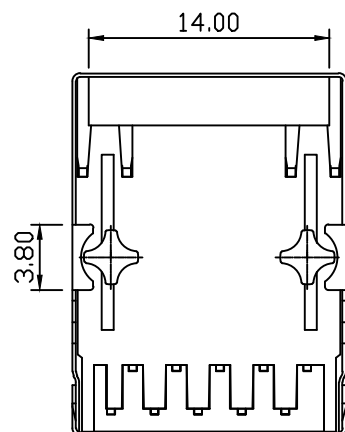
Front Side View



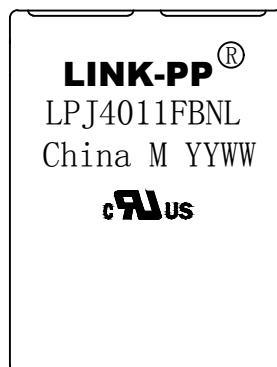
Left Side View



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 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 with 10/100 Base-T Integrated Magnetic
ANGLES	±1°	UNIT: mm	PART NO.: LPJ4011FBNL
		SCALE: 2/1	SHEET: 2/2
		REV: A	DWG NO.: LP08122318