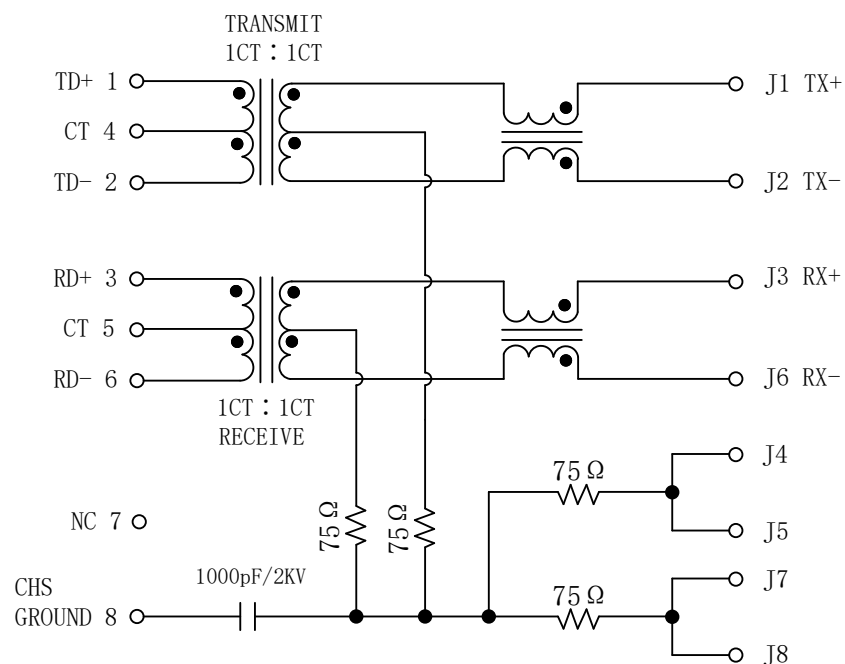


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		17/07/2008	

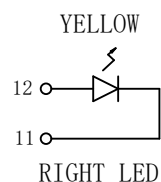
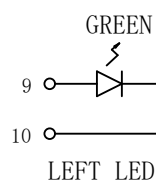
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS: @25°C

- Turn Ratio($\pm 2\%$):
TX=1CT : 1CT RX=1CT : 1CT
- Inductance OCL: 350uH MIN
@100KHz 0.1V 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @1~100MHz
- Return Loss:
-18dB MIN @1~30MHz
-15dB MIN @30~60MHz
-12dB MIN @60~80MHz
-10dB MIN @80~100MHz
- Cross talk:
-40dB MIN @30MHz
-35dB MIN @60MHz
-30dB MIN @100MHz
- Common Mode Rejection:
-40dB MIN @30MHz
-35dB MIN @60MHz
-30dB MIN @100MHz
- Hipot: 1500Vrms
- Operating Temperature: -40°C ~ +85°C.
- Storage Temperature: -40°C ~ +85°C.



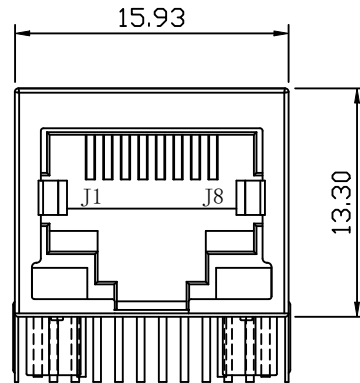
Emitting Color	λ_p (nm)	$V_F @ I_F = 20\text{mA}$	$I_R @ V_R = 5\text{V}$
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max



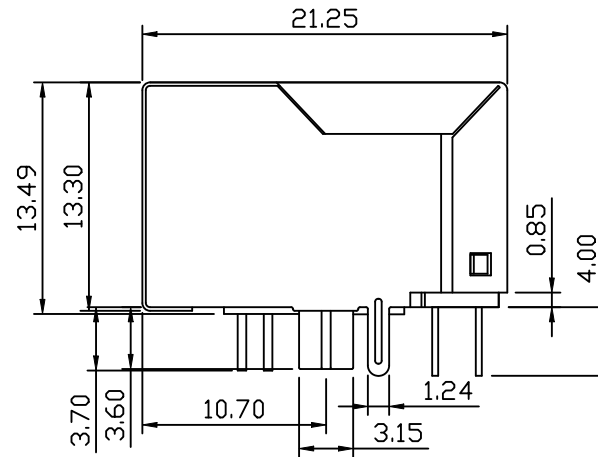
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	± 0.25	CHKD: JAMES	
X:XXX	± 0.05	DR: LEO	
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO. : LPJ4011BBNL	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics
	SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO. : LP08121226	

Mechanical:

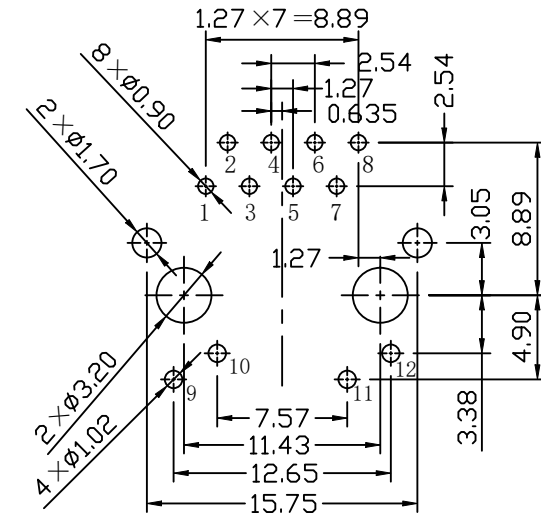
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		12/12/2008	



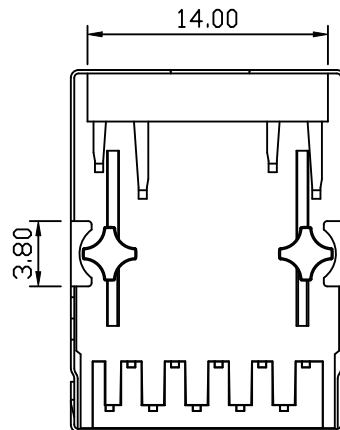
Front Side View



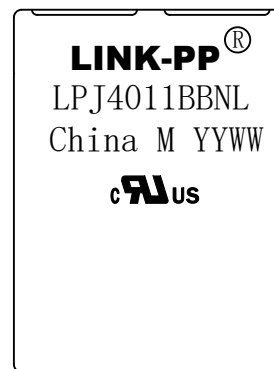
Left Side View



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 Magnetics	
ANGLES ±1°		UNIT: mm		PART NO.: LPJ4011BBNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP08121226	

