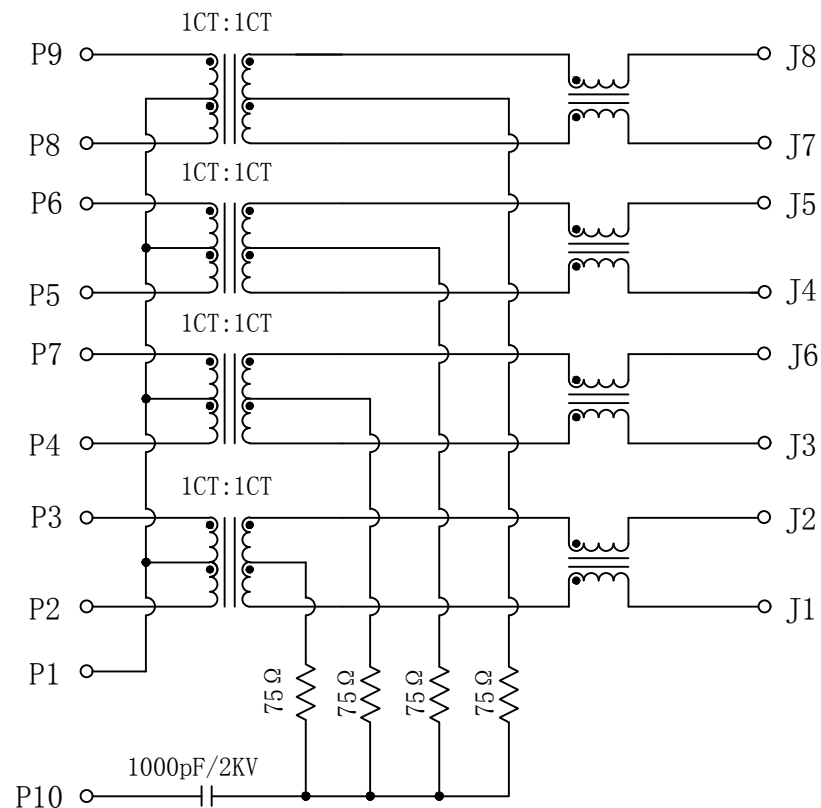


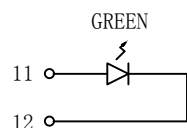
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/11/2007	



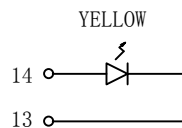
ELECTRICAL SPECIFICATIONS @25°C

- 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 @ 1.0-65MHz
- Return Loss:
-20dB MIN @ 1-10MHz
-16dB MIN @ 10-30MHz
-12dB MIN @ 30-60MHz
-10dB MIN @ 60-100MHz
- Cross talk:
-40dB MIN @ 1-30MHz
-35dB MIN @ 30-60MHz
-30dB MIN @ 60-100MHz
- Common Mode Rejection:
-30dB MIN @ 1-50MHz
-20dB MIN @ 50-150MHz
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: -40°C TO +85°C



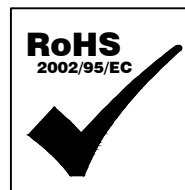
LEFT LED

LED POLARITY		COLOR
PIN 11	PIN 12	
+	-	GREEN



RIGHT LED

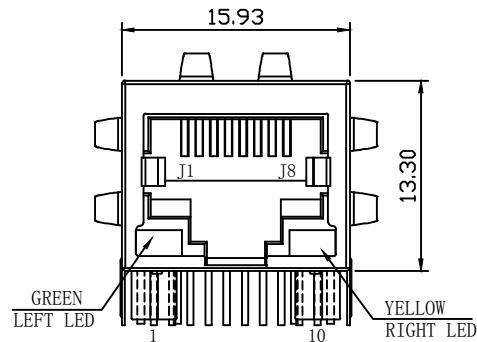
LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	YELLOW



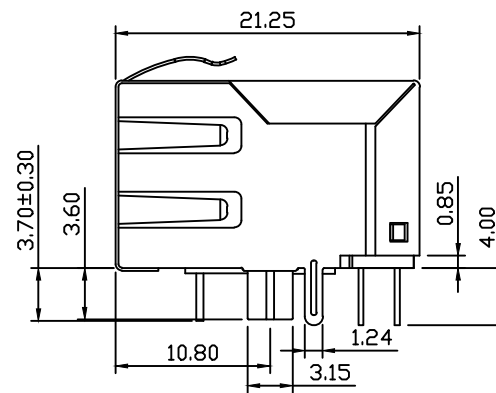
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.20	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJG4806EBNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP07111413

Mechanical:

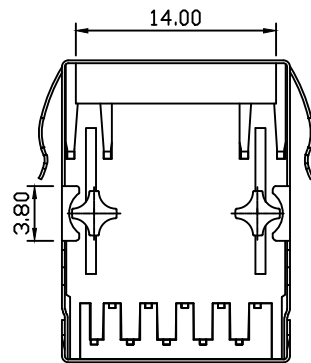
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/11/2007	



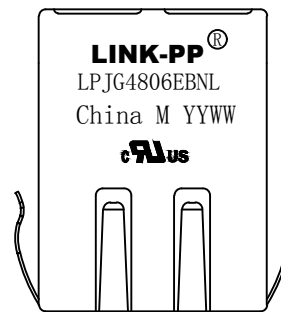
Front Side View



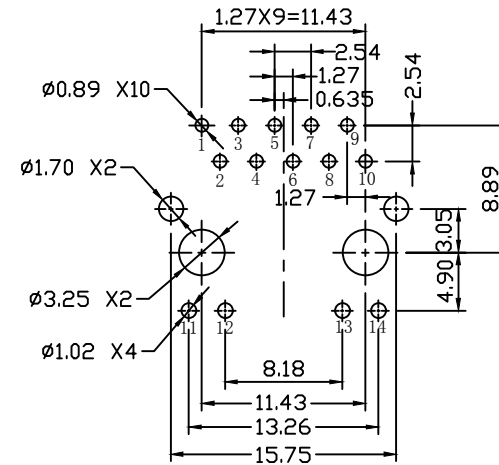
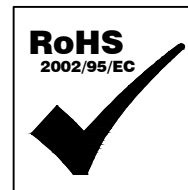
Left Side View



Bottom Side View



Top Side View



SUGGESTED PCB LAYOUT (TOP VIEW)

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Designed IEEE802.3 applications
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 ±0.20		CHKD: JAMES				
X:XXX ±0.05		DR: LEO		TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetics		
ANGLES ±1°		UNIT: mm		PART NO. : LPJG4806EBNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : LP07111413		