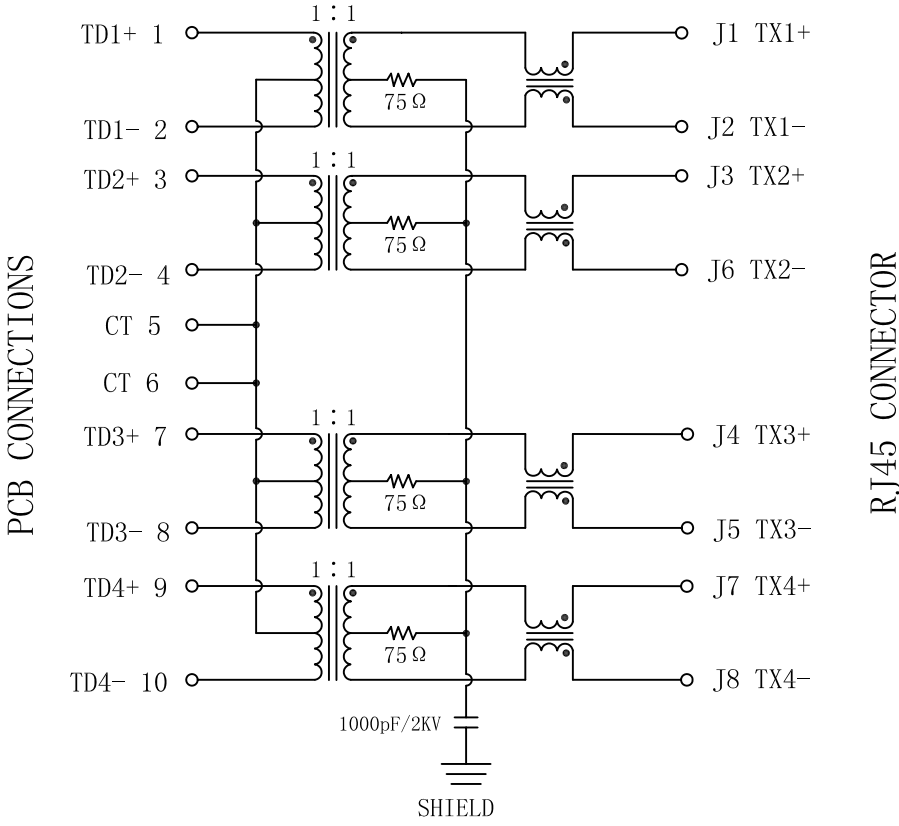
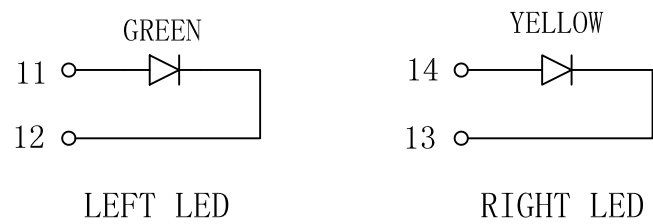


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/09/18	

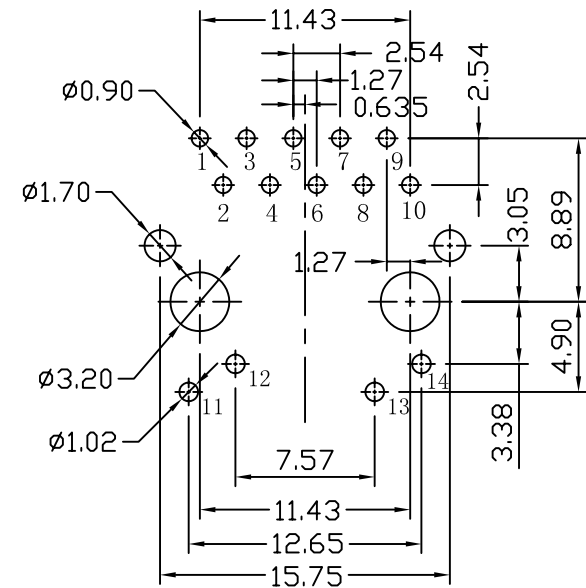
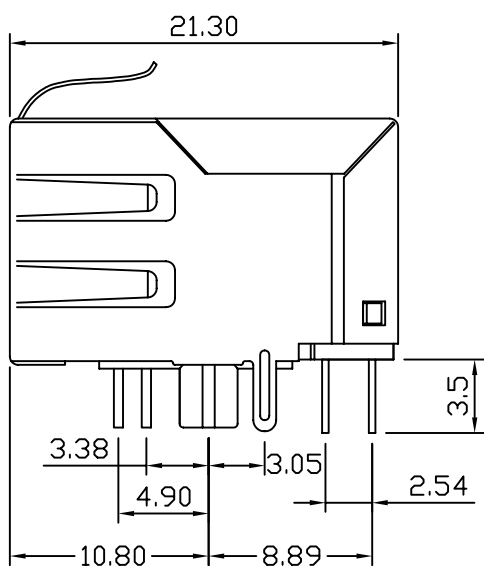
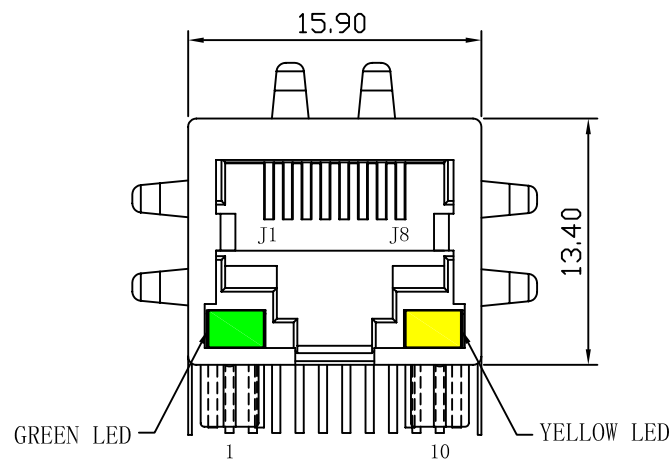


- Electrical Specifications @ 25°C
- 1. Turns Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
 - 2. INDUCTANCE (@100KHz, 100mV, 8mA DC BIAS):
J1-J2; J3-J6; J4-J5; J7-J8: 350uH min
 - 3. Insertion Loss:
1~100MHz: -1.0dB Max
 - 4. Return Loss(dB Min. load 100 Ω):
1~30MHz: -18 30~60MHz: -16
60~80MHz: -12 80~100MHz: -10
 - 5. Crosstalk(dB Min):
1~30MHz: -40 30~60MHz: -35
60~100MHz: -30
 - 6. Common Mode Rejection(dB Min):
1~50MHz: -40 50~150MHz: -30
 - 7. Isolation Voltage: 1500Vrms
 - 8. Operating Temperature Range: -40°C ~ +85°C.



X:X ± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.20	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics		
X:XXX ± 0.05	DR: TOM			
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: LPJG4801ABNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP10091803

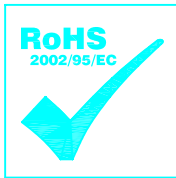
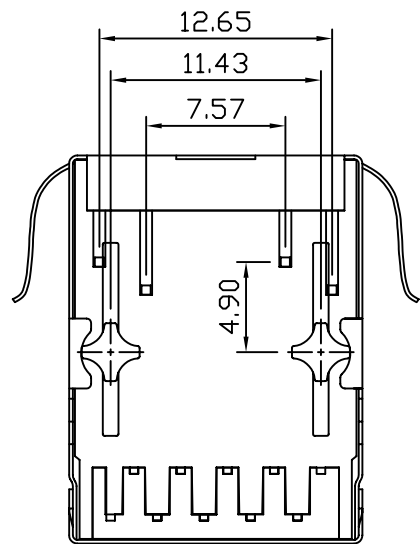
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/09/18	



SUGGESTED PCB LAYOUT (TOP 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 UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max
Wave solder tip temperature time: 5 Sec Max



X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.20	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: LPJG4801ABNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10091803