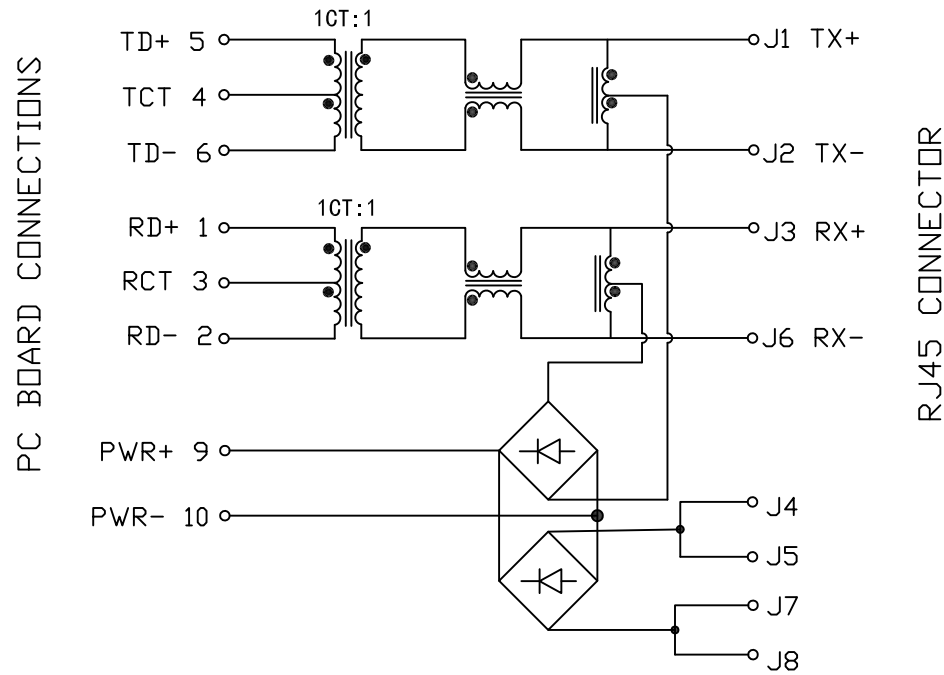


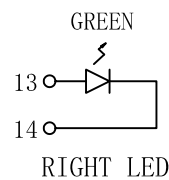
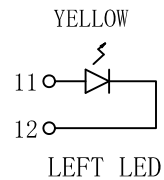
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-09-25	



ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio:
 - (P5-P6) : (J1-J2) = 1 : 1 ±2%
 - (P1-P2) : (J3-J6) = 1 : 1 ±2%
- Inductance :
 - J1-J2 : 350uH MIN @100KHz, 100mVAC, 8mADC, LP
 - J3-J6 : 350uH MIN @100KHz, 100mVAC, 8mADC, LP
- Insertion Loss:
 - 1.0dB MAX @1~100MHz
- Return Loss:
 - 18dB 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 to Mode Rejection:
 - 30dB MIN @1~50MHz
 - 20dB MIN @50~150MHz
- Hipot Test: 1500Vrms MIN
- Operating Temperature Range: 0°C~70°C.



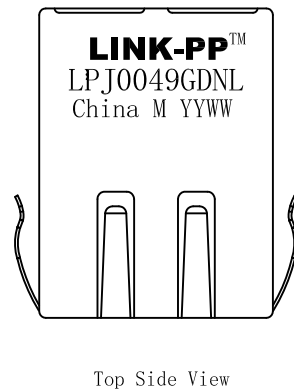
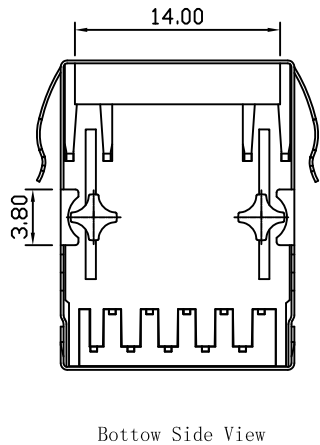
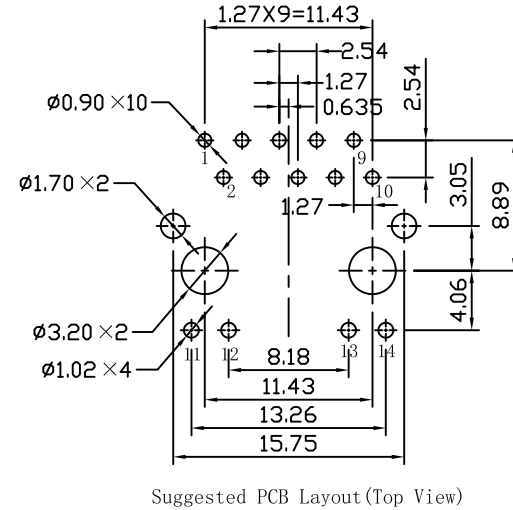
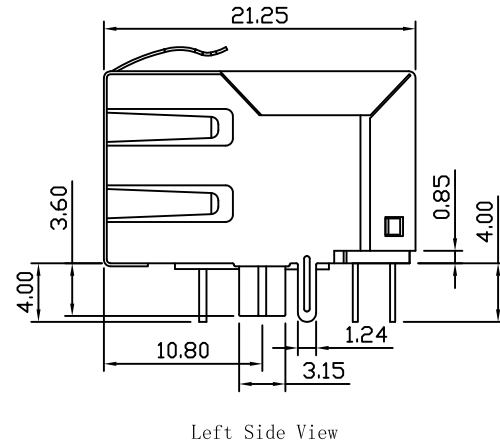
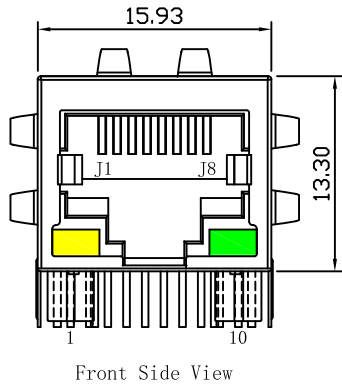
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.25	CHKD:	
X:XXX ±0.05	DR: TOM	
TITTLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application With Rectifier Bridge		PART NO. : LPJ0049GDNL
ANGLES ±1°	UNIT: mm	
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO. : LP10092527

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-09-25	



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Designed for PoE, IEEE802.3af applications
3. Power on used or unused pairs for up to 350mADC.
4. 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.
5. Wave solder tip temperature: 265°C Max, 5 Sec.
6. 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			
ANGLES ±1°	UNIT: mm	PART NO.: LPJ0049GDNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10092527