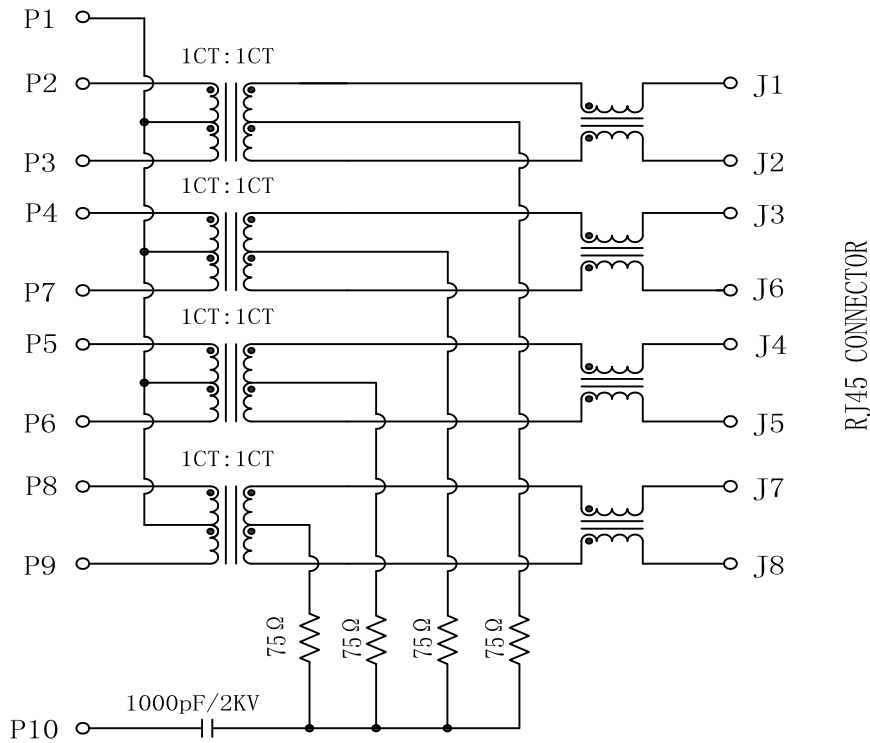


Schematic:

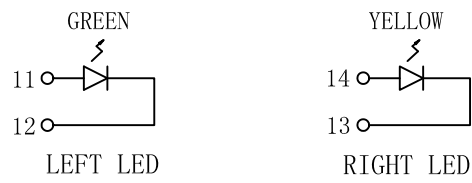
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015/02/18	

PC BOARD CONNECTIONS



ELECTRICAL SPECIFICATIONS @25℃

- 1. Turn Ratio(±2%):
1CT : 1CT
- 2. Inductance OCL: 350uH MIN
@100KHz/0.1V, 8mA DC Bias
- 3. Insertion Loss:
-1.0dB MAX @ 1.0~65MHz
- 4. Return Loss:
-20dB MIN @ 1~10MHz
-16dB MIN @ 10~30MHz
-12dB MIN @ 30~60MHz
-10dB MIN @ 60~100MHz
- 5. Cross talk:
-40dB MIN @ 1~30MHz
-35dB MIN @ 30~60MHz
-30dB MIN @ 60~100MHz
- 6. Common Mode Rejection:
-30dB MIN @ 1~50MHz
-20dB MIN @ 50~150MHz
- 7. Hipot Test: 1500Vrms MIN
- 8. Operating Temperature Range: 0℃ TO 70℃

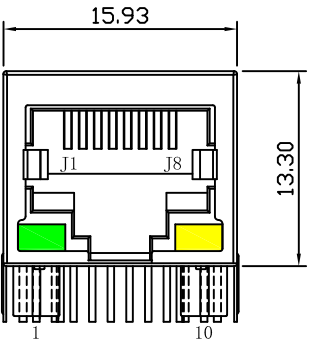


Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
Green	565	1.8~2.6V	10 μ A max
Yellow	590	1.8~2.6V	10 μ A max

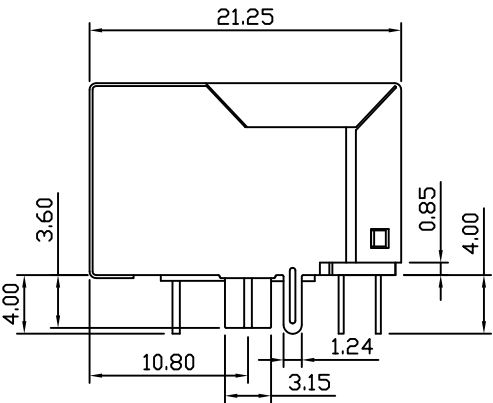


X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO. : LPJG0806FBNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP07111402

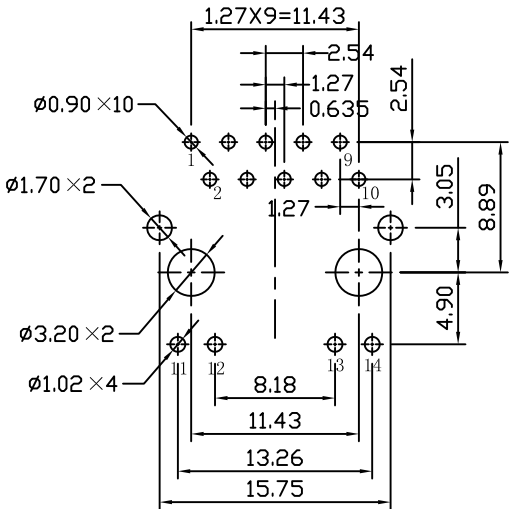
Mechanical:



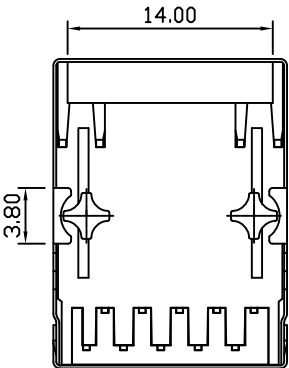
Front Side View



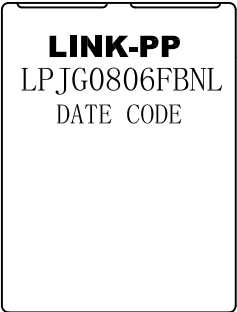
Left Side View



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 IEEE 802.3 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 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
 4. Wave solder tip temperature: 265°C Max, 5 Sec Max.
 5. UL Certification: File Number E484635.

X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED			
X:XX	±0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics			
X:XXX	±0.05	DR: TOM				
ANGLES	±1°	UNIT: mm	PART NO. : LPJG0806FBNL			
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : LP07111402	