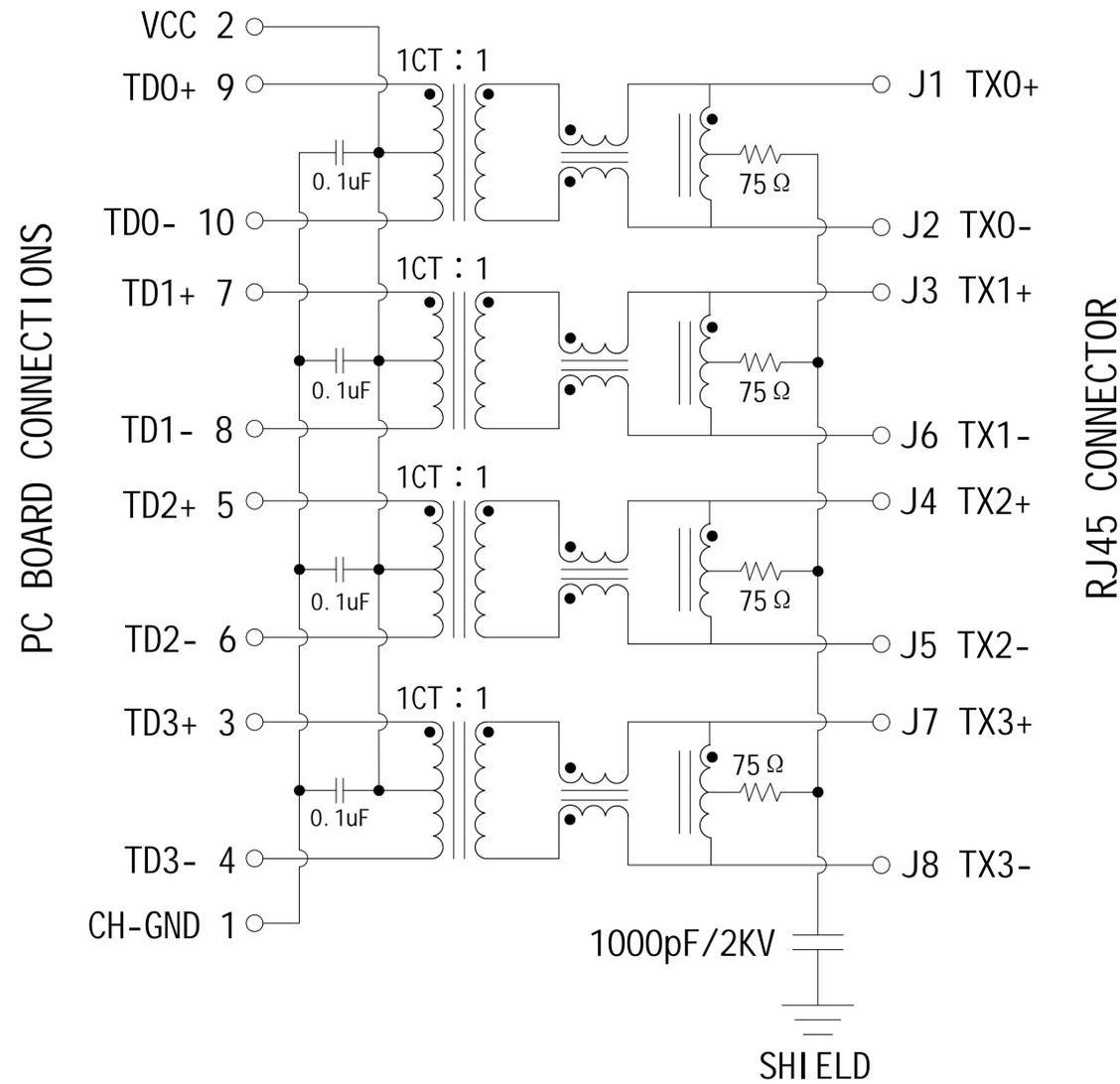


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2011/02/11	

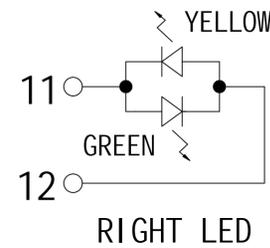
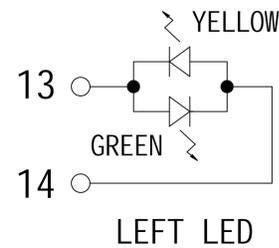


RJ45 CONNECTOR

Electrical Specifications @25°C

- Impedance: 100 ohms
- OCL: 350uH Min @100KHz, 0.1Vrms, 8mADC BIAS
- Turns Ratio: Pri : Sec = 1CT : 1
- Insertion Loss: 0.5-100MHz: -1.1dB Max
- Return Loss(dB Min): 0.5-40MHz: -18
40.1-100MHz: -12-20LOG(f/50)
- Crosstalk(dB Min): 0.5-40MHz: -35
40.1-100MHz: -33-20LOG(f/50)
- Common Mode Rejection Ratio: 0.5-100MHz: -30dB Min
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature: 0°C ~ 70°C.

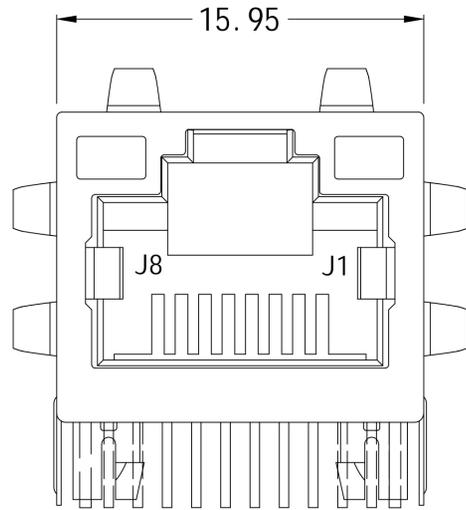
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8-2.6V	10 μA max
YELLOW	585	1.8-2.6V	10 μA max



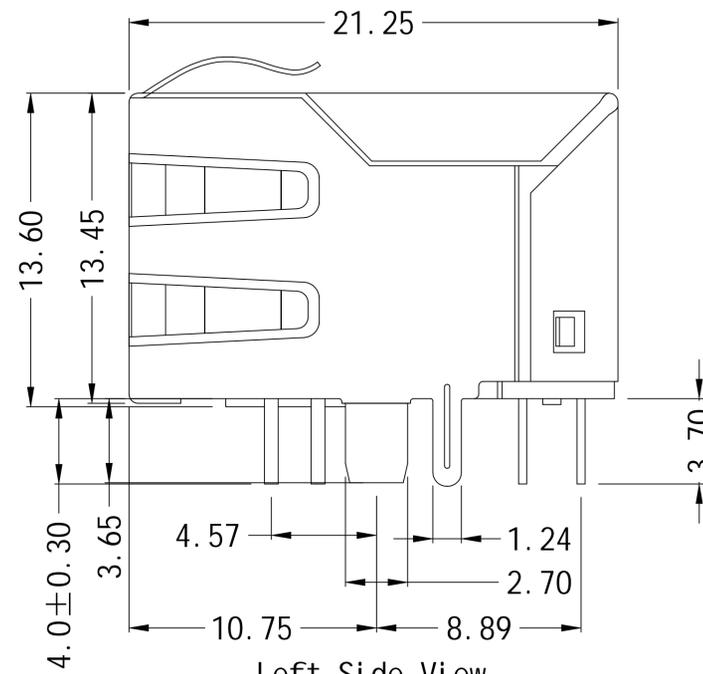
X: X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X: XX	±0.25	CHKD: JAMES		
X: XXX	±0.05	DR: LEO		
ANGLES	±1°	UNIT: mm	TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetic	
			PART NO.: LPJG16314A4NL	
SCALE: 2/1		SHEET: 1/2	REV: A6	DWG NO.: LP11021127

Mechanical:

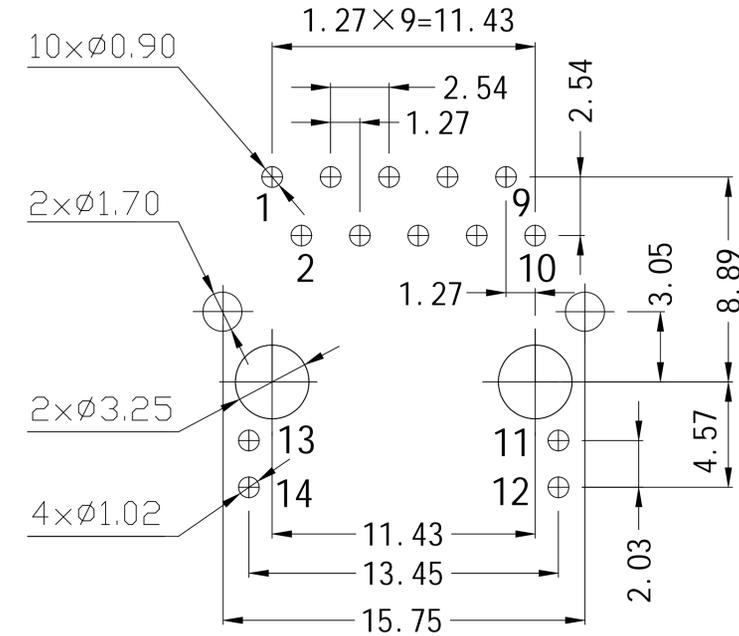
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2011/02/11	



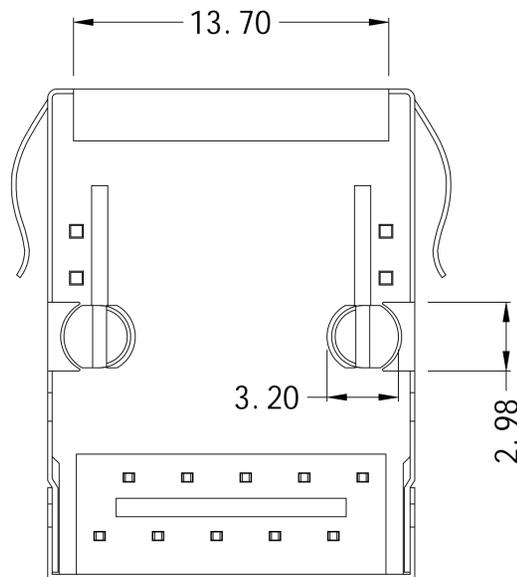
Front Side View



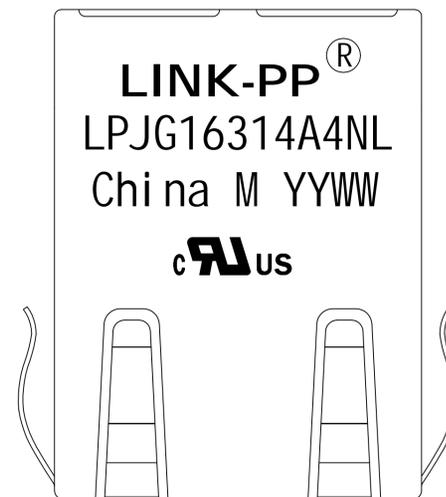
Left Side View



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	
ANGLES	±1°	UNIT: mm	TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetic
			PART NO.: LPJG16314A4NL
SCALE: 2/1		SHEET: 2/2	REV: A6
		DWG NO.: LP11021127	

