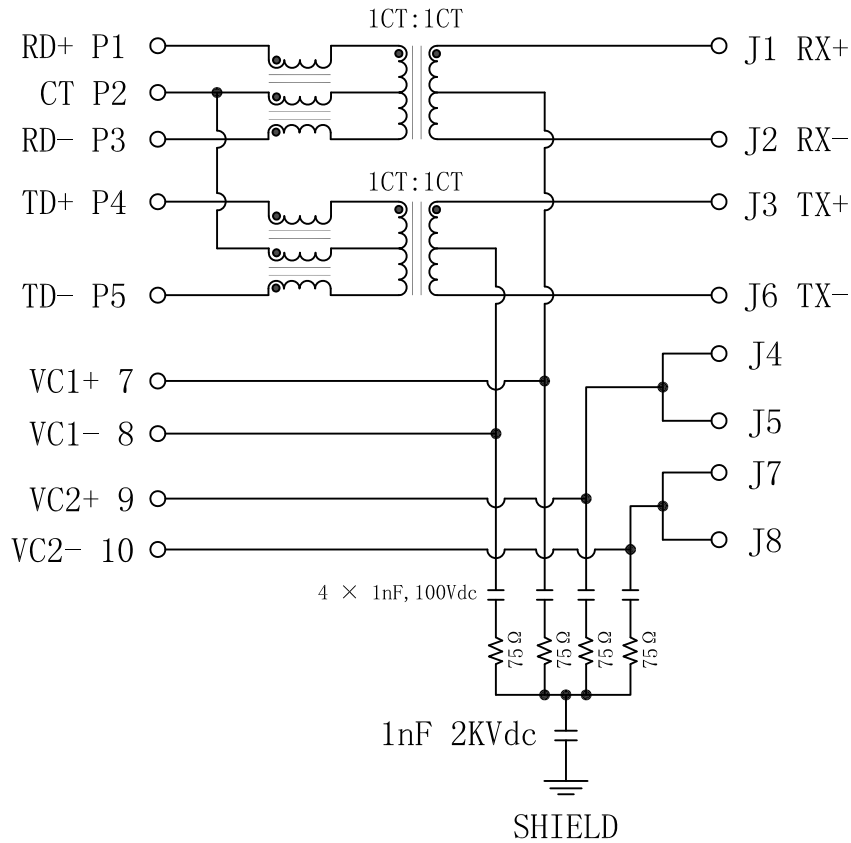


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL			

PCB CONNECTIONS

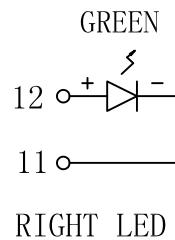
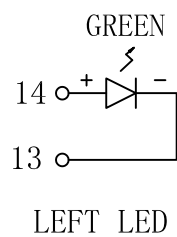


RJ45 CONNECTOR

Electrical Specification @25°C

- Turns Ratio ($\pm 2\%$) :
TX=1CT:1CT RX=1CT:1CT
- Insertion Loss:
1~100MHz: -1.5dB Max
- Return Loss:
1~30MHz: -16dB Min
60~80MHz: -10dB Min
- Crosstalk:
1~100MHz: -30dB Min
- CM TO CM REJECTION:
0.1~100MHz: -30dB Min
- OCL (@100KHz, 0.1V, 8mA DC Bias):
350uH Min
- Balanced DC Line Current:
350mA Max. @57VDC continuous.
500mA Max. @57VDC for 200 milcseconds.
- Hipot: 1500Vrms
- Operating Temperature: -40°C ~ +85°C

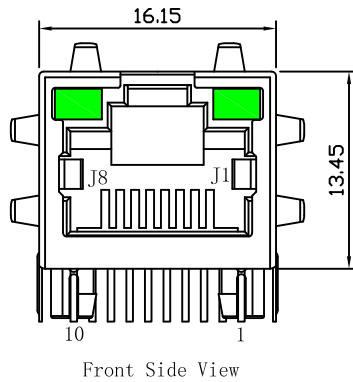
Emitting Color	λ_p (nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max



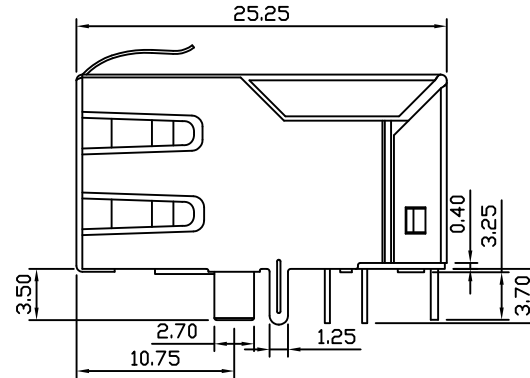
X:X ± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ± 0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application	
X:XXX ± 0.05	DR: TOM	PART NO.: LPJ6144AHNL	
ANGLES $\pm 1^\circ$	UNIT: mm	DWG NO.: LP11090842	
	SCALE: 2/1	SHEET: 1/2	REV: A

Mechanical:

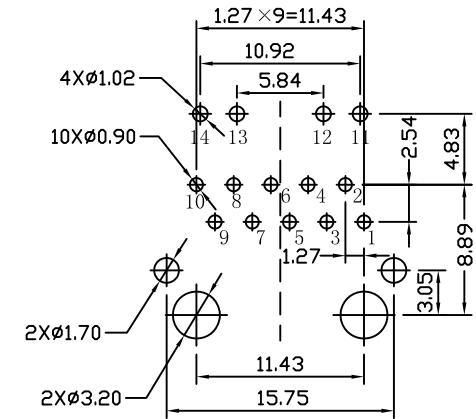
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011-09-08	



Front Side View



Left Side View

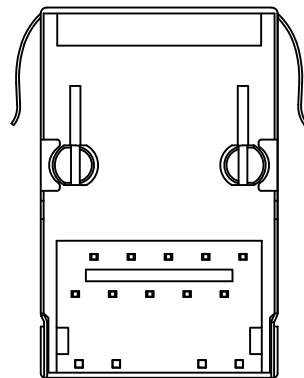


Suggested PCB Layout(Top View)



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3af 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.
5. UL Certification: File Number E484635.



Bottom Side View



Top Side View

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 10/100 Base-T Integrated Magnetics For PoE Application
ANGLES ±1°	UNIT: mm	PART NO.: LPJ6144AHNL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP11090842