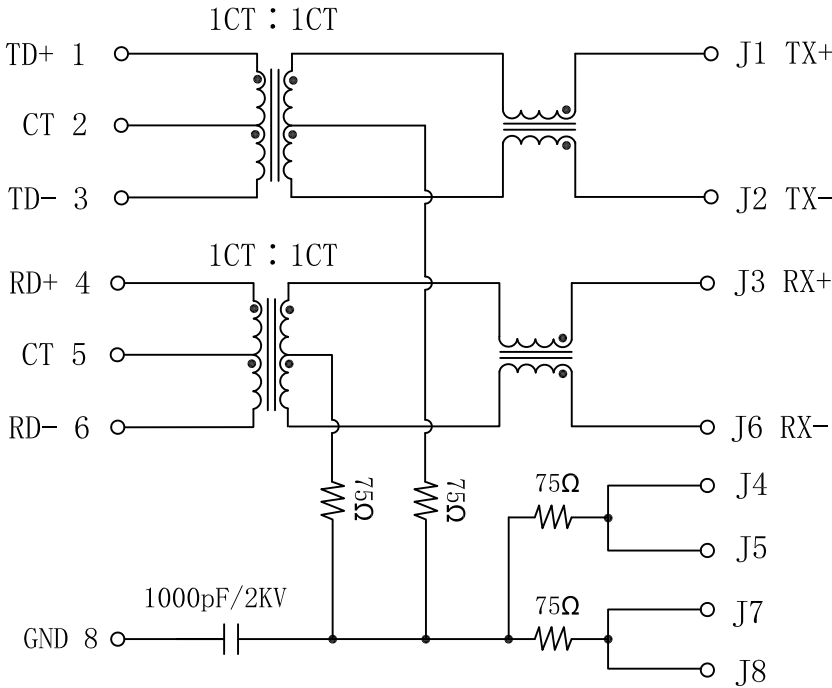


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-12-21	

PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25℃

- 1. TR: (@100KHz, 100mV) ;
TX=1CT : 1CT ±3% RX=1CT : 1CT ±3%
- 2. LX: (@100KHz, 100mV, 8mA, DC Bias)
PINS: (P1, P3), (P4, P6)=350uH MIN
- 3. HIPOT:
PINS (P1, P2, P3) TO (J1, J2)=1500Vrms
PINS (P4, P5, P6) TO (J3, J6)=1500Vrms
- 4. INSERTION LOSS:
-1dB MAX @ 1~65MHz
- 5. RETURN LOSS:
-20dB MIN @1~10MHz
-16dB MIN @10~30MHz
-12dB MIN @30~60MHz
-10dB MIN @60~100MHz
- 6. CROSS TALK:
-40dB MIN @1~30MHz
-35dB MIN @30~60MHz
-30dB MIN @60~100MHz
- 7. COMMON TO COMMON MODE REJECTION:
-30dB MIN @1~50MHz
-20dB MIN @50~150MHz
- 8. OPERATING TEMPERATURE: 0℃ ~70℃.



GREEN

LEFT LED

YELLOW

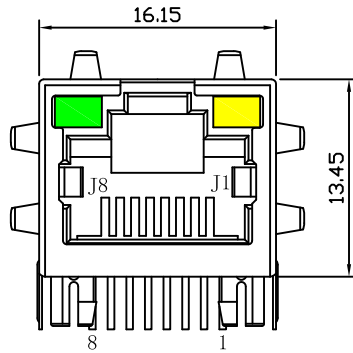
RIGHT LED

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

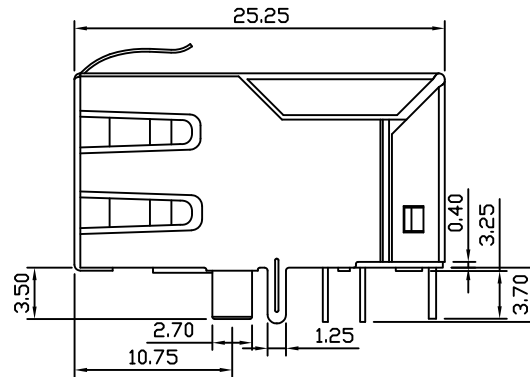
X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ1014AHNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP110122112

Mechanical:

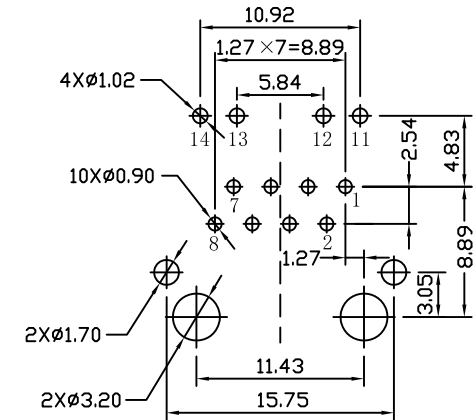
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-12-21	



Front Side View



Left Side View

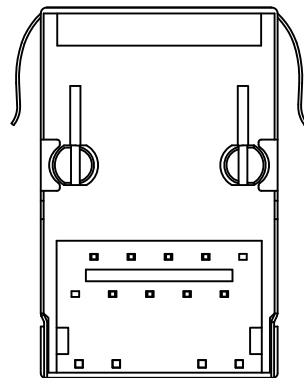


Suggested PCB Layout (Top View)



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 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.
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		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ1014AHNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP110122112