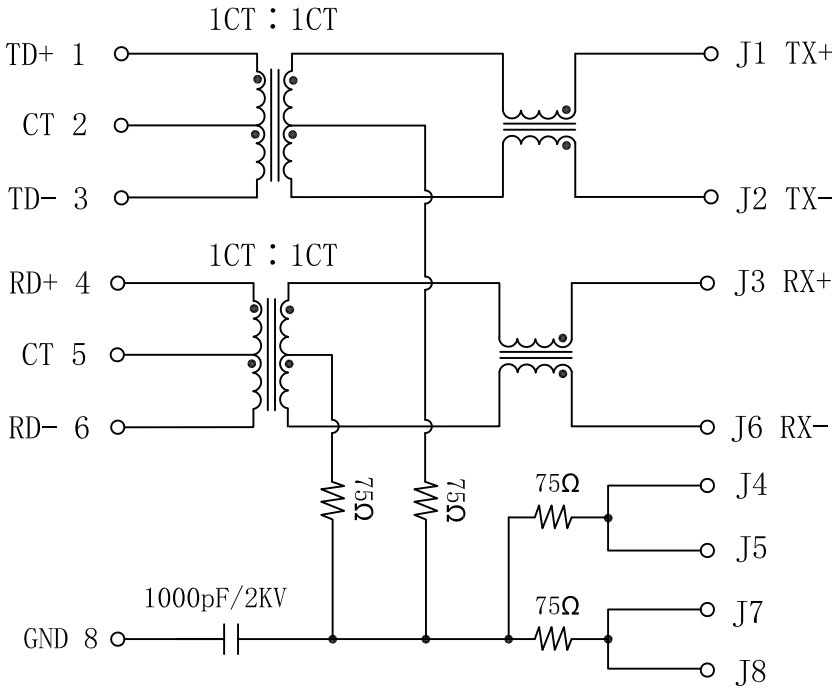


Schematic:

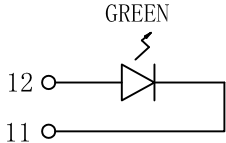
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-09-25	

PC BOARD CONNECTIONS

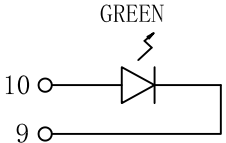


RJ45 CONNECTOR

- TEST NOTES (25±5℃)
- 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:
-1.0dB MAX @1.0MHz TO 65MHz
 - 5. Return Loss:
-20dB MIN @1MHz TO 10MHz
-16dB MIN @10MHz TO 30MHz
-12dB MIN @30MHz TO 60MHz
-10dB MIN @60MHz TO 100MHz
 - 6. Cross Talk:
-40dB MIN @1MHz TO 30MHz
-35dB MIN @30MHz TO 60MHz
-30dB MIN @60MHz TO 100MHz
 - 7. Common to Common Mode Rejection:
-30dB MIN @1MHz TO 50MHz
-20dB MIN @50MHz TO 150MHz
 - 8. Operating Temperature: 0℃~70℃.



LEFT LED



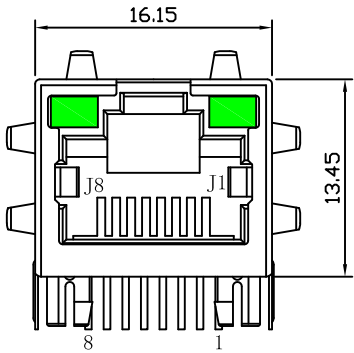
RIGHT LED

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

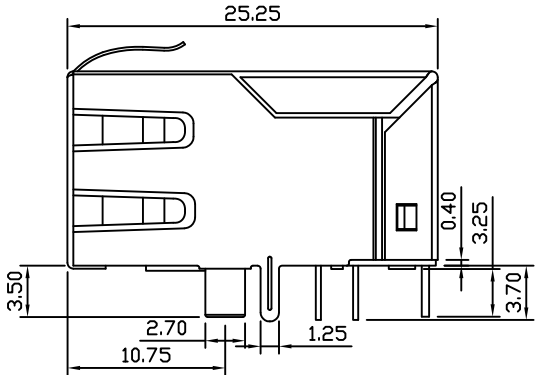
X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ1014AWN		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP110092518

Mechanical:

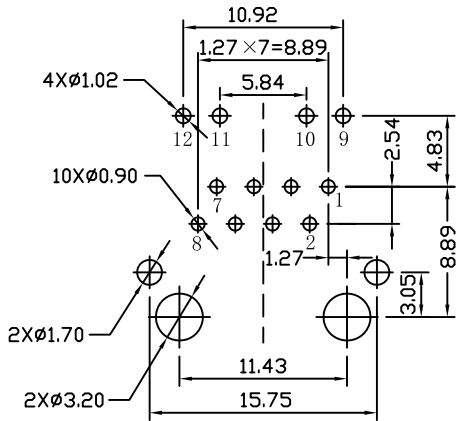
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-09-25	



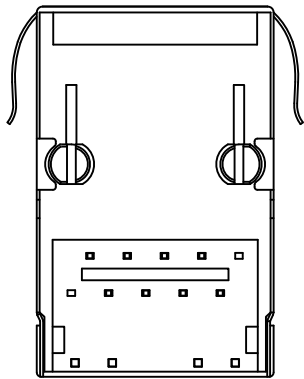
Front Side View



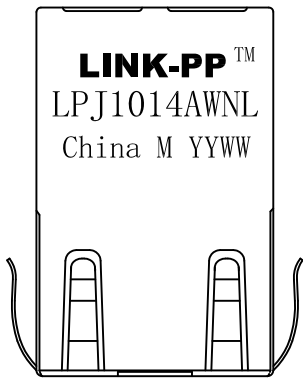
Left Side View



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.
5. 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	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ1014AWN		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP110092518