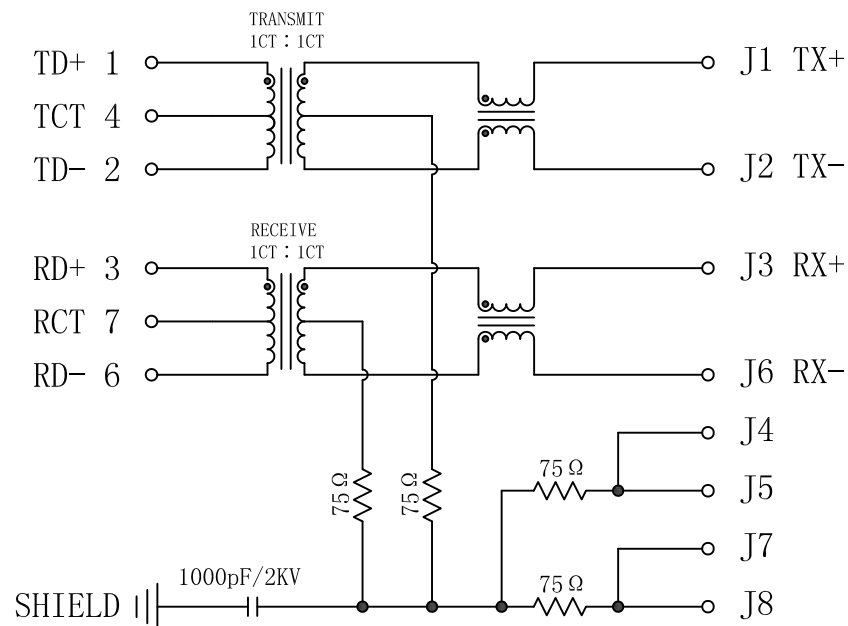


Schematic:

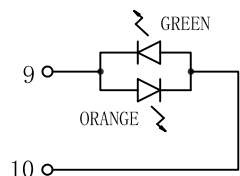
PC BOARD CONNECTIONS



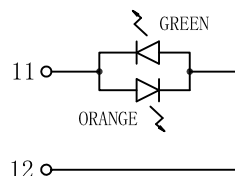
RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL: 350uH MIN
@100KHz, 0.1V, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @1~65MHz
- Return Loss:
-18dB MIN @1~30MHz
-16dB MIN @40MHz
-12dB MIN @50MHz
-10dB MIN @60MHz
- Cross talk:
-40dB MIN @30MHz
-35dB MIN @60MHz
-30dB MIN @100MHz
- Common Mode Rejection:
-30dB MIN @30MHz
-20dB MIN @60MHz
-20dB MIN @100MHz
- Hipot Test: 1500Vrms MIN
- Operating Temperature: 0°C~70°C.



LEFT LED



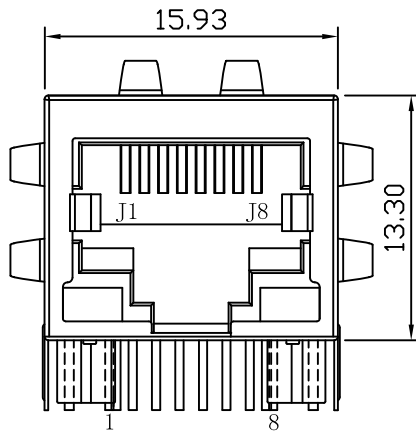
RIGHT LED

Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
ORANGE	610	1.8~2.6V	10 μ A max

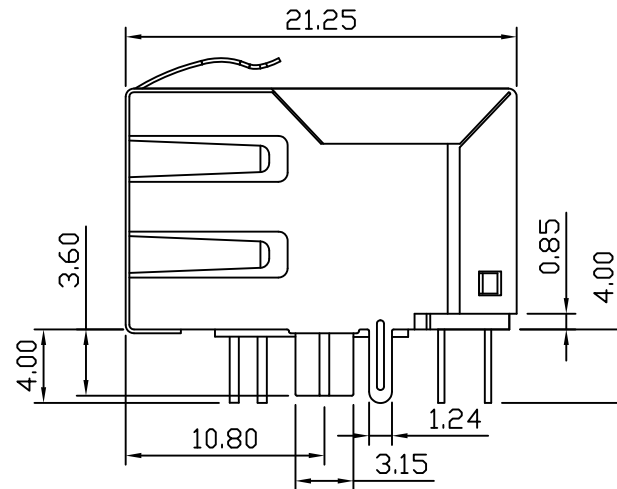
X:X ± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ± 0.25	CHKD:		
X:XXX ± 0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: LPJ0014A55NL	
	SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO.: LP08121230	

Mechanical:

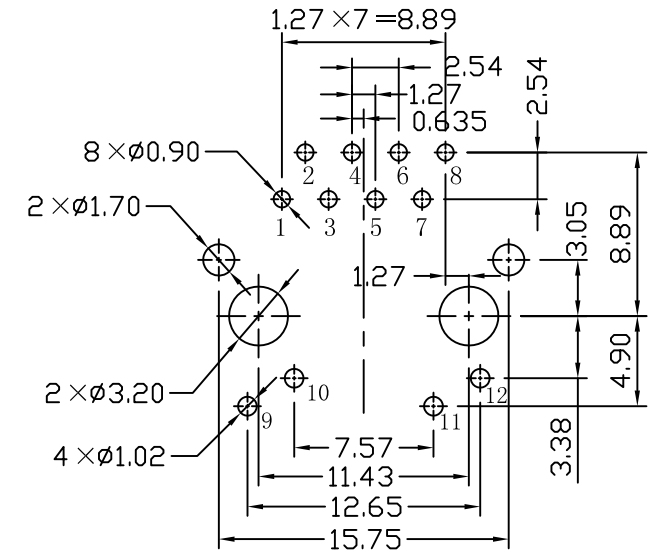
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		12/12/2008	



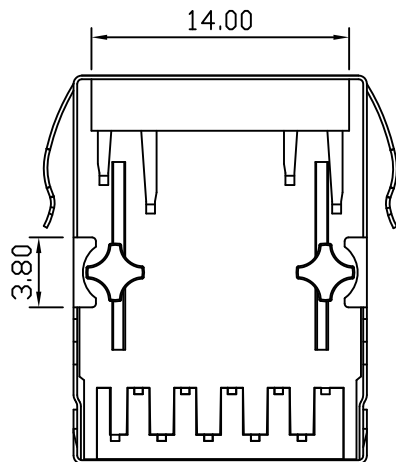
Front Side View



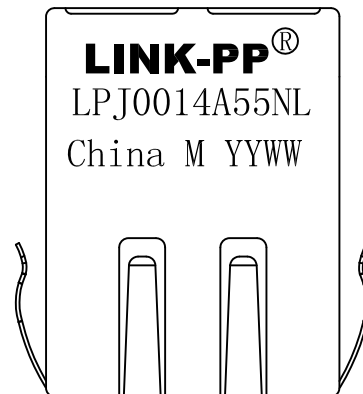
Left Side View



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:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
X:XXX ±0.05	DR: TOM			
ANGLES ±1°	UNIT: mm	PART NO.: LPJ0014A55NL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP08121230