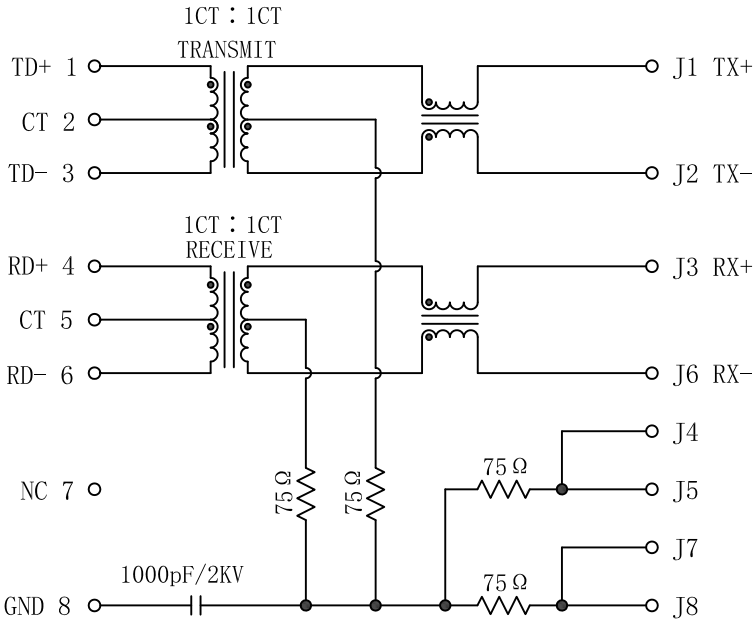


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-01-22	

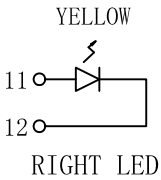
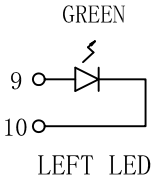
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25℃

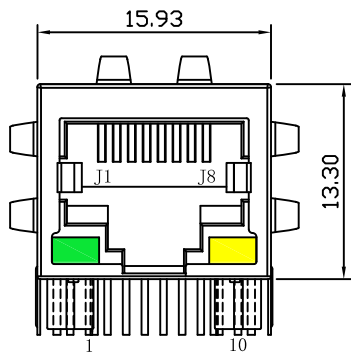
- Turn Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL: 350uH MIN
@100KHz/0.1V 8mA DC Bias
- Insertion Loss:
1. 0-100MHz:-1.0dB MAX
- Return Loss(dB MIN):
1-30MHz: -18 30-60MHz:-15
60-80MHz: -12 80-100MHz:-10
- Cross talk(dB MIN):
30MHz: -40 60MHz: -35
100MHz:-30
- Common Mode Rejection(dB MIN):
30MHz: -40 60MHz: -35
100MHz:-30
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0℃ TO 70℃



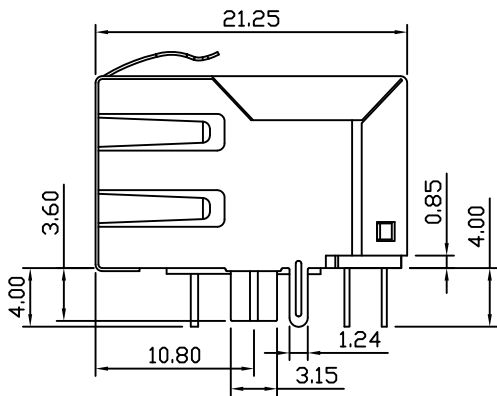
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

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	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJ0012GENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP10032026

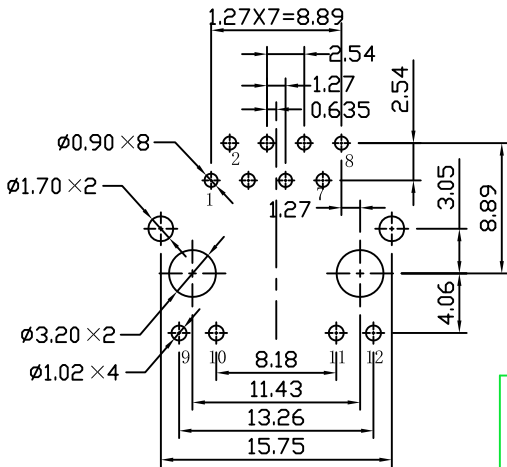
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-01-22	



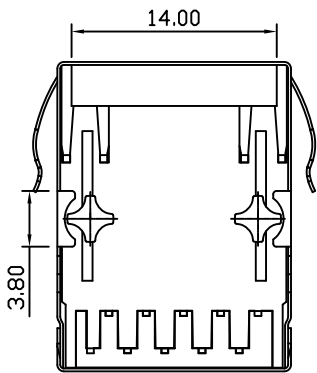
Front Side View



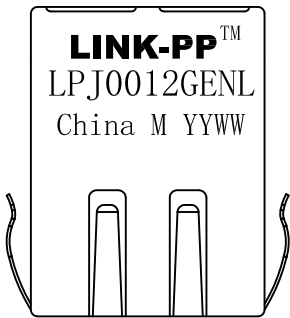
Left Side View



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 Max
5. UL Certification: File Number E321120.

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.: LPJ0012GENL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10032026