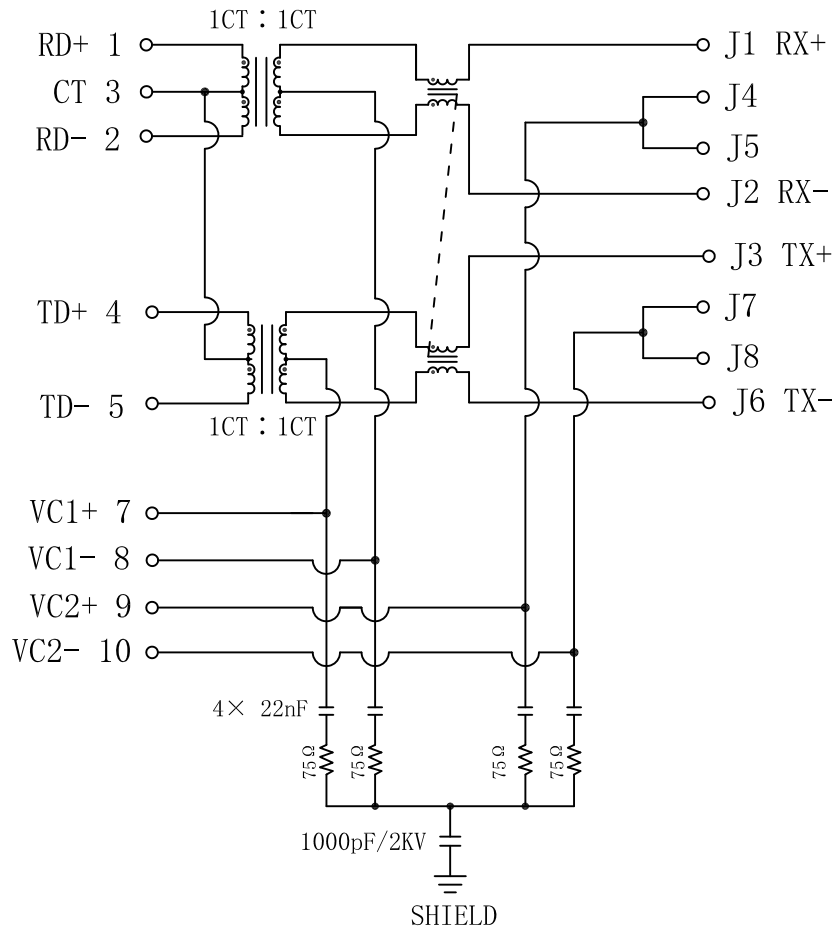


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011/07/05	

PC BOARD CONNECTIONS

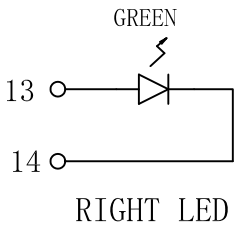
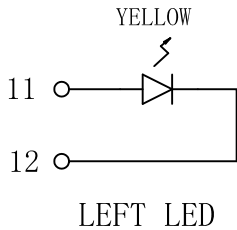


RJ45 CONNECTOR

Electrical Specifications @25℃

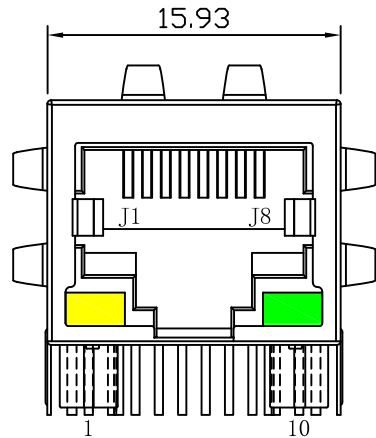
- 1. Turns Ratio(@100KHz/100mV) :
TX=1CT:1CT RX=1CT:1CT
- 2. Inductance: 350uH Min
@100KHz, 0. 1V, 8mADC Bias
- 3. Insertion Loss:
1-100MHz:-1.0 dB Max
- 4. Return Loss(dB Min @100 Ω) :
1-10MHz:-18 10-30MHz:-16
30-60MHz:-12 60-80MHz:-10
- 5. Crosstalk:
1-100MHz:-30dB Min
- 6. Common Mode Rejection:
1-100MHz:-30dB Min
- 7. Hipot: 1500Vrms Min @60Hz
- 8. Operating Temperature: 0℃~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

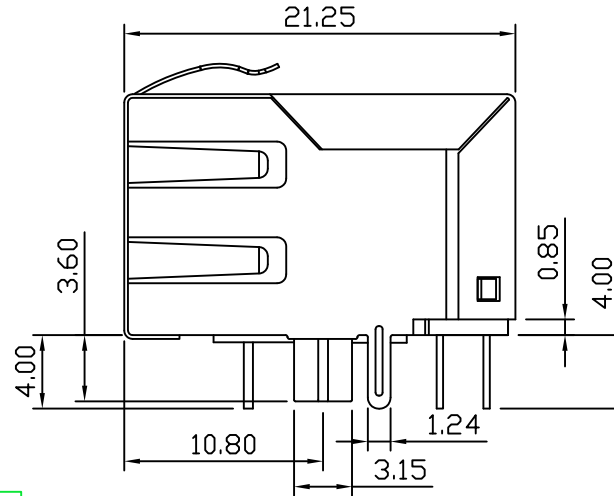


X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.20	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application		
ANGLES ±1°	UNIT: mm	PART NO. : LPJ0188GDNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP11070502

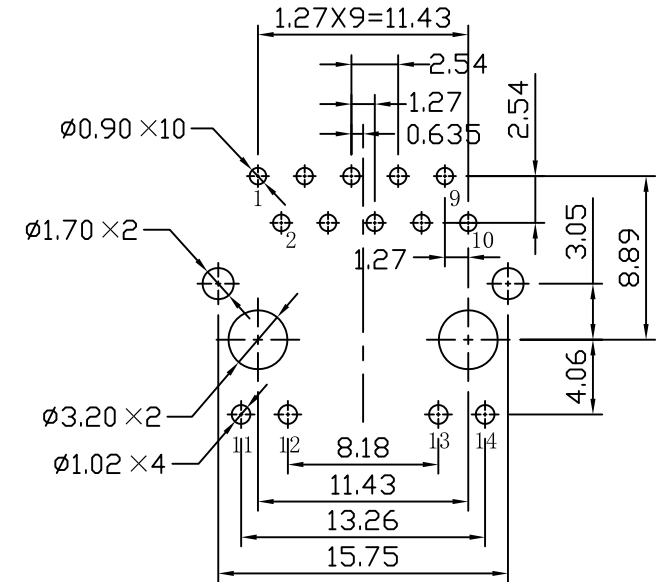
Mechanical:



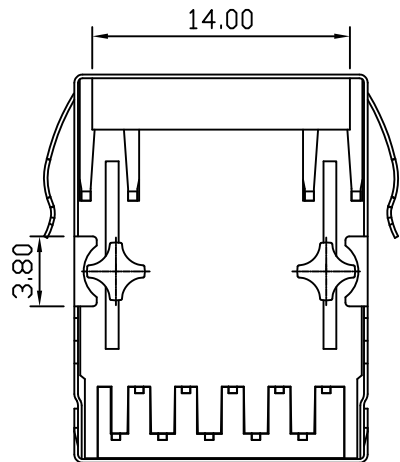
Front Side View



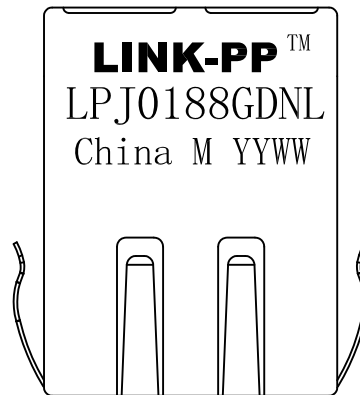
Left Side View



Suggested PCB Layout(Top View)



Bottom Side View



LINK-PP™
LPJ0188GDNL
China M YYWW

Top Side View

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Designed for PoE, IEEE802.3af applications
3. Power on used or unused pairs for up to 350mADC.
4. 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.
5. Wave solder tip temperature: 265°C Max, 5 Sec Max.

X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.20	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.: LPJ0188GDNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP11070502