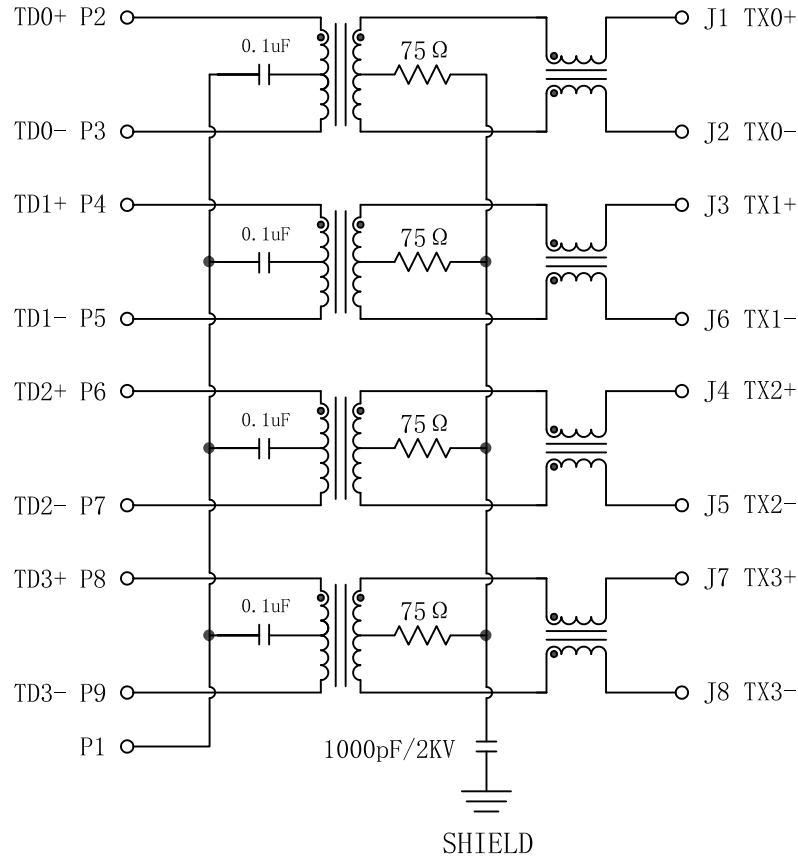


REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018-05-07	

PC BOARD CONNECTIONS

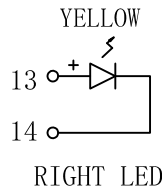
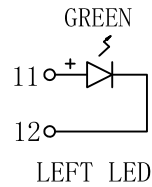


RJ45 CONNECTOR

Electrical Specification @25°C

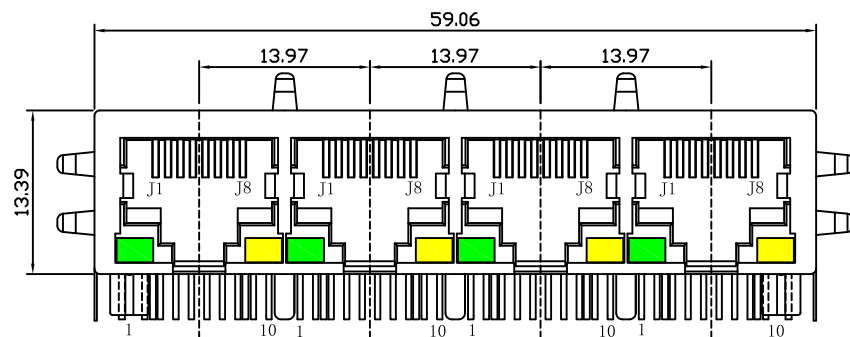
- Turns Ratio ($\pm 5\%$) :
Pri : Sec = 1CT : 1CT
- OCL: 350uH Min
@100KHz, 0.1V, 8mA DC Bias
- Insertion Loss(dB Max) :
1~100MHz:-1.0 100~125MHz:-1.2
- Return Loss(dB Min) :
1~40MHz:-16 40~60MHz:-12
60~80MHz:-10 80~100MHz:-8
- Crosstalk:
1~100MHz:-30dB Min
- Common to Mode Rejection Attenuation:
1~100MHz:-30dB Min
- Hipot: 1500Vrms
- Operating Temperature: -40°C ~ +85°C.

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

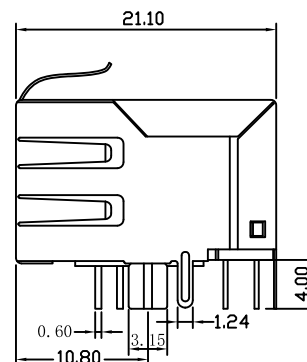


X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: 1*4 RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJG46945AENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP19021802

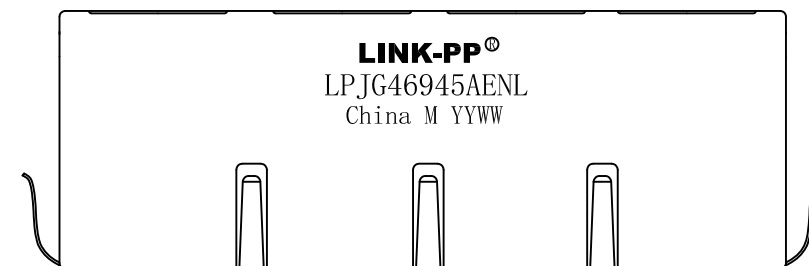
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018-05-07	



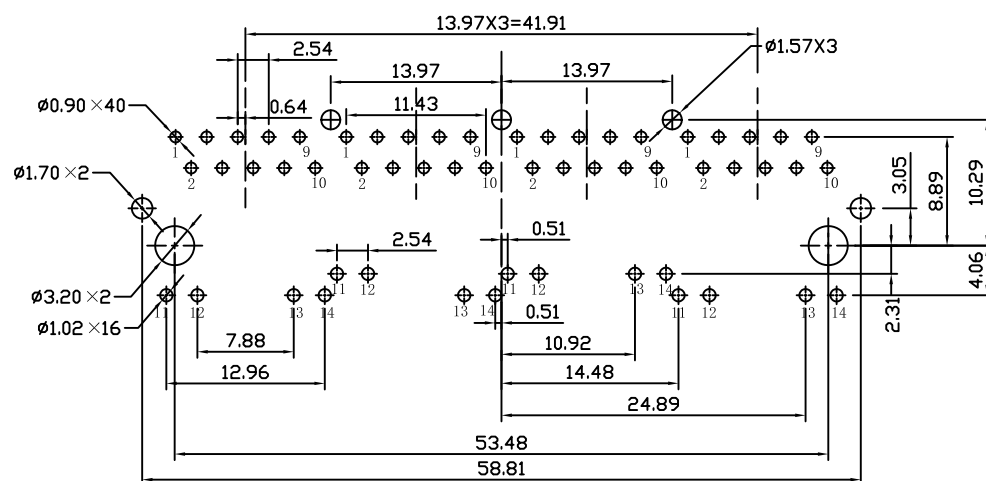
Front Side View



Left Side View



Top 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 IEEE802.3 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			
ANGLES ±1°		UNIT: mm	PART NO. : LPJG46945AENL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : LP19021802	