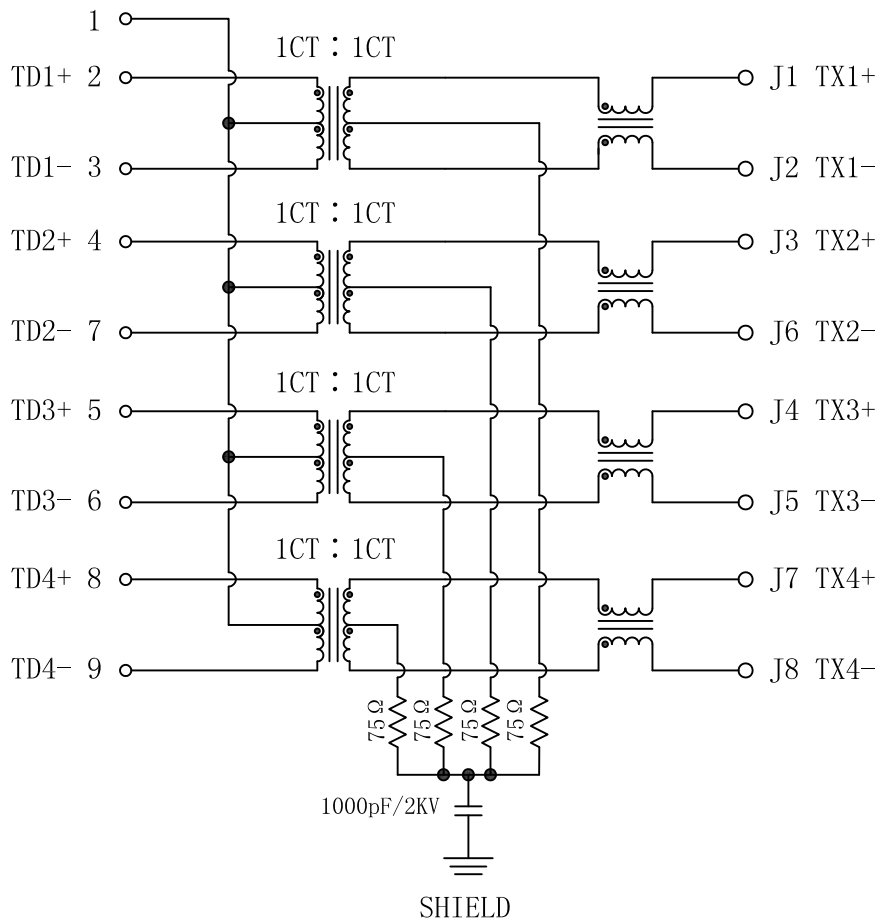


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/09/04	

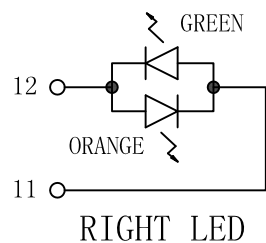
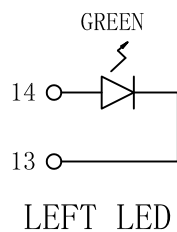
PCB CONNECTIONS



## Electrical Specifications @25°C

- Turns Ratio:  
Pri : Sec = 1CT : 1CT ±2%
- OCL: 350uH MIN  
@100KHz, 100mV, 8mA DC Bias
- Insertion Loss:  
1~60MHz: -1.0dB MAX  
60~100MHz: -1.1dB MAX
- Return Loss (dB MIN) :  
0.3~30MHz: -18      40~60MHz: -14  
80~100MHz: -12
- Crosstalk (dB MIN) :  
1~10MHz: -35      15~60MHz: -26  
60~100MHz: -24
- Common Mode Rejection:  
1~60MHz: -40dB MIN  
60~100MHz: -30dB MIN
- Hipot: 1500Vrms MIN
- Operating Temperature: -40°C ~ +85°C.

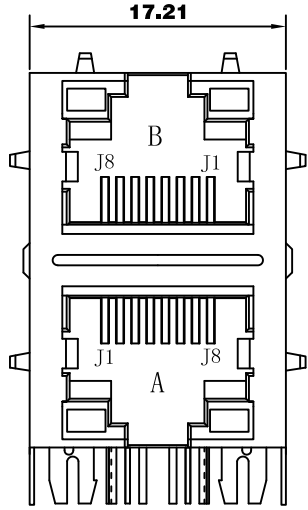
Emitting Color	λp(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
ORANGE	610	1.8~2.6V	10 μA max



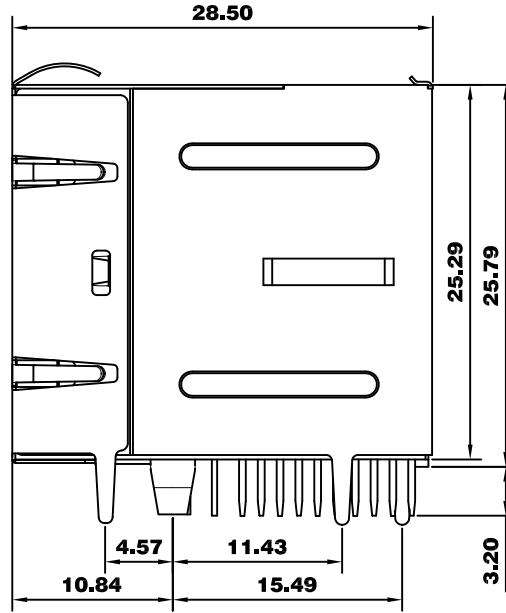
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:	TITLE: RJ45 2×1 w/Transformer 1000 Base-T w/LED	
X:XXX	±0.05	DR: TOM	PART NO.: LPJG17610A105NL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP13090416

# Mechanical :

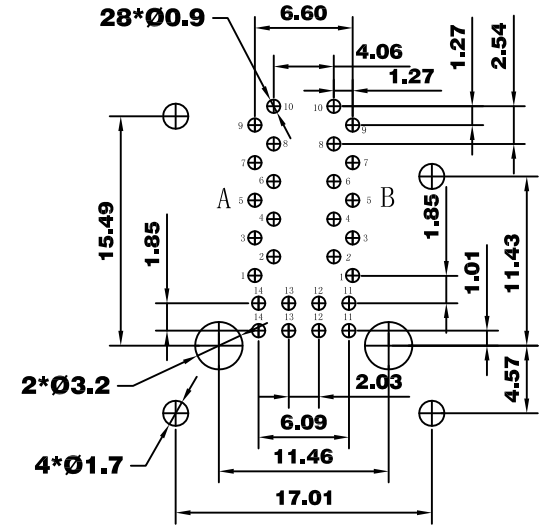
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/09/04	



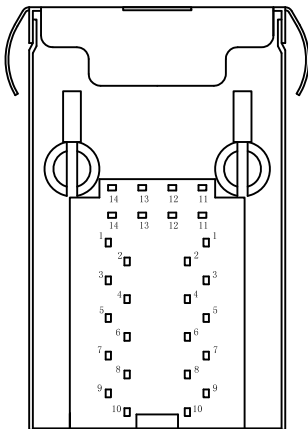
Front Side View



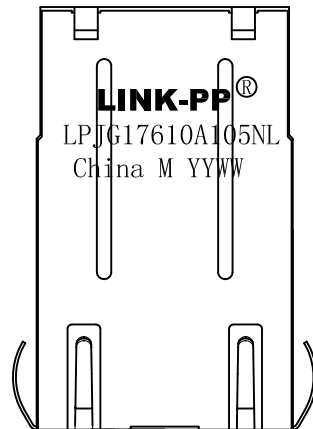
Left Side View



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 Material: Thermoplastic PBT+30%G.F UL94V-0  
 Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm  
 Pins: Brass C2680R-H Thickness=0.35mm  
 Shield: Copper alloy Brass H65Y Thickness=0.20mm  
 Shield plating: Nickel  
 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 2×1 w/Transformer 1000 Base-T w/LED
ANGLES	±1°	UNIT: mm	PART NO.: LPJG17610A105NL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP13090416