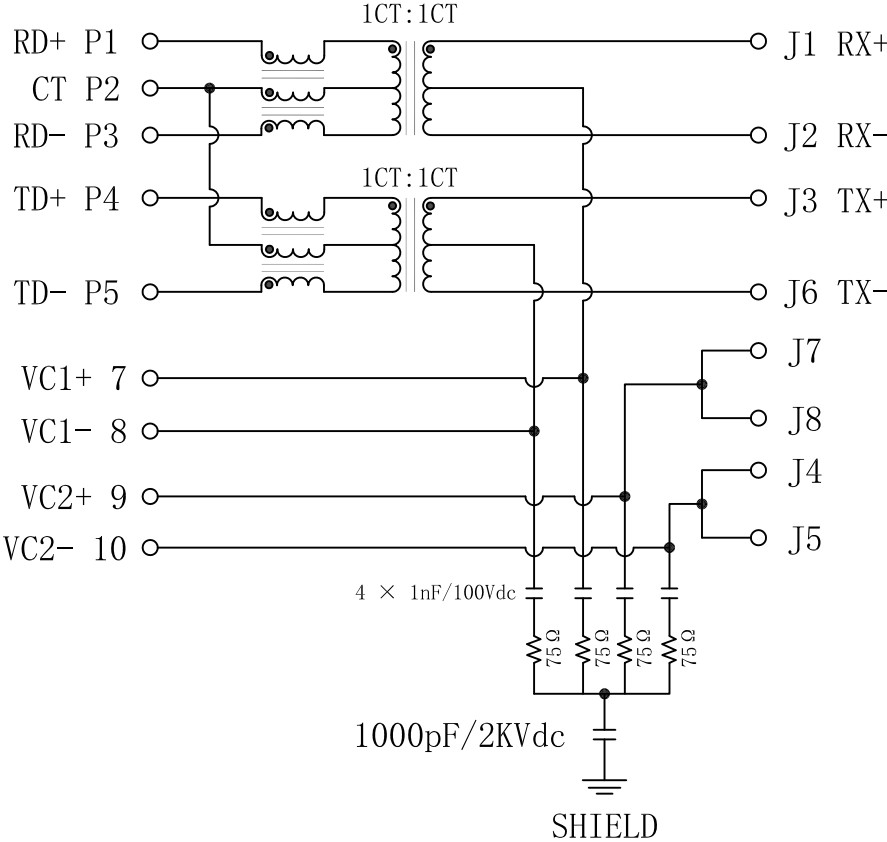


Schematic:

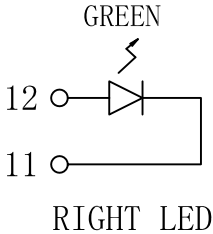
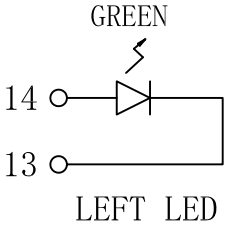
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @25°C

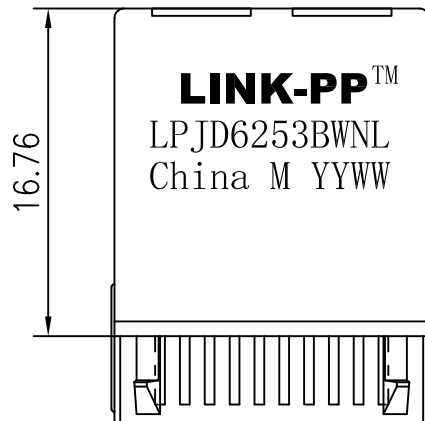
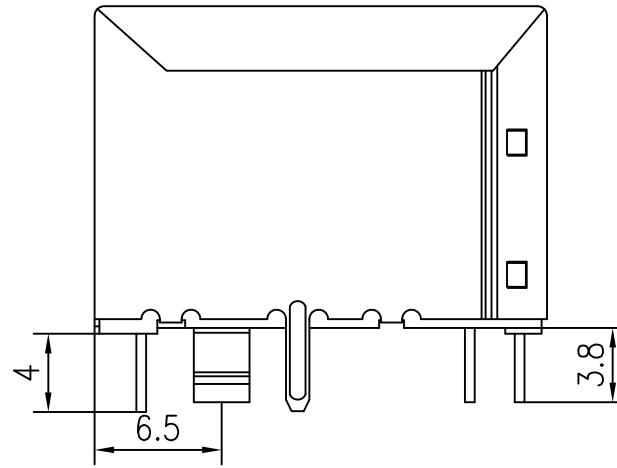
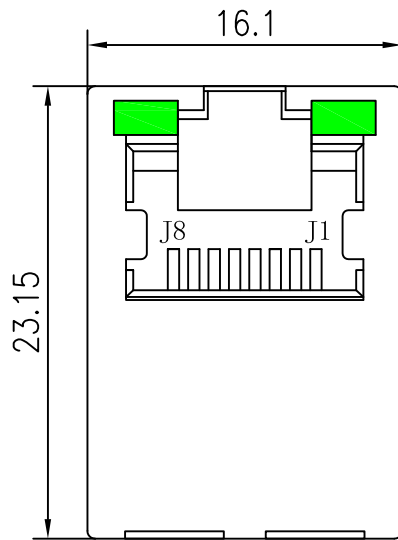
1. OCL: 350uH Min
@100KHz 100mV 12mA DC Bias
2. Turns Ratio:
TX=1CT : 1CT ±2%
RX=1CT : 1CT ±2%
3. Insertion Loss:
1-100MHz:-1.5dB Max
4. Return Loss (@100 Ω):
1-30MHz:-16dB Min
60-80MHz:-10dB Min
5. Crosstalk:
1-100MHz:-30dB Min
6. Balanced DC line current:
350mA Max @57VDC Continuous
500mA Max @57VDC For 200 Millseconds
7. Hipot: 1500Vrms
8. Operating Temperature Range: 0°C~70°C.



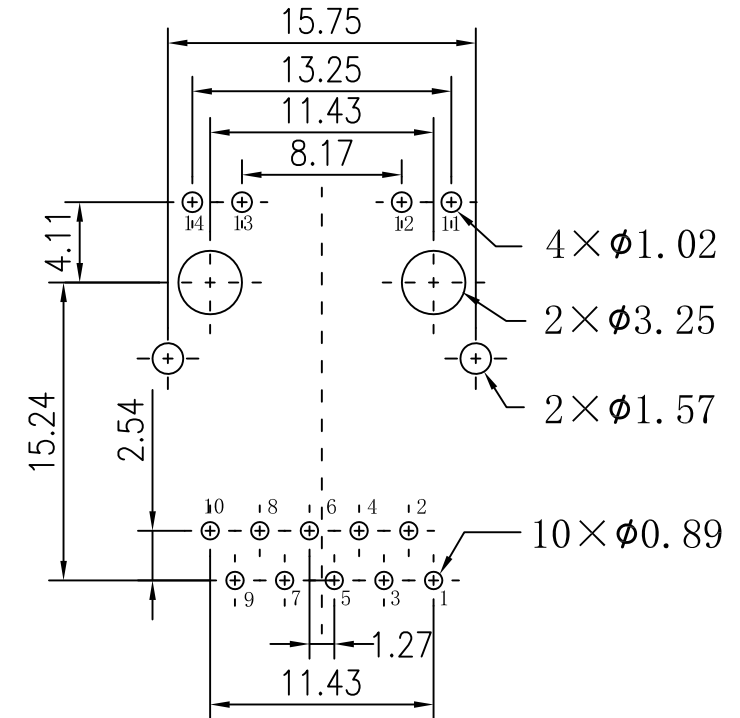
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.4V	10 μ A max

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 Transformer 10/100Mbps For PoE Application	
ANGLES	±1°	UNIT: mm	PART NO.: LPJD6253BWNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP16092002

Mechanical :



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/04/24	



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 IEEE 802.3af specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
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 Transformer 10/100Mbps For PoE Application
ANGLES	±1°	UNIT: mm	
		PART NO.:	LPJD6253BWNL
		SCALE: 2/1	SHEET: 2/2
		REV: A	DWG NO.: LP16092002