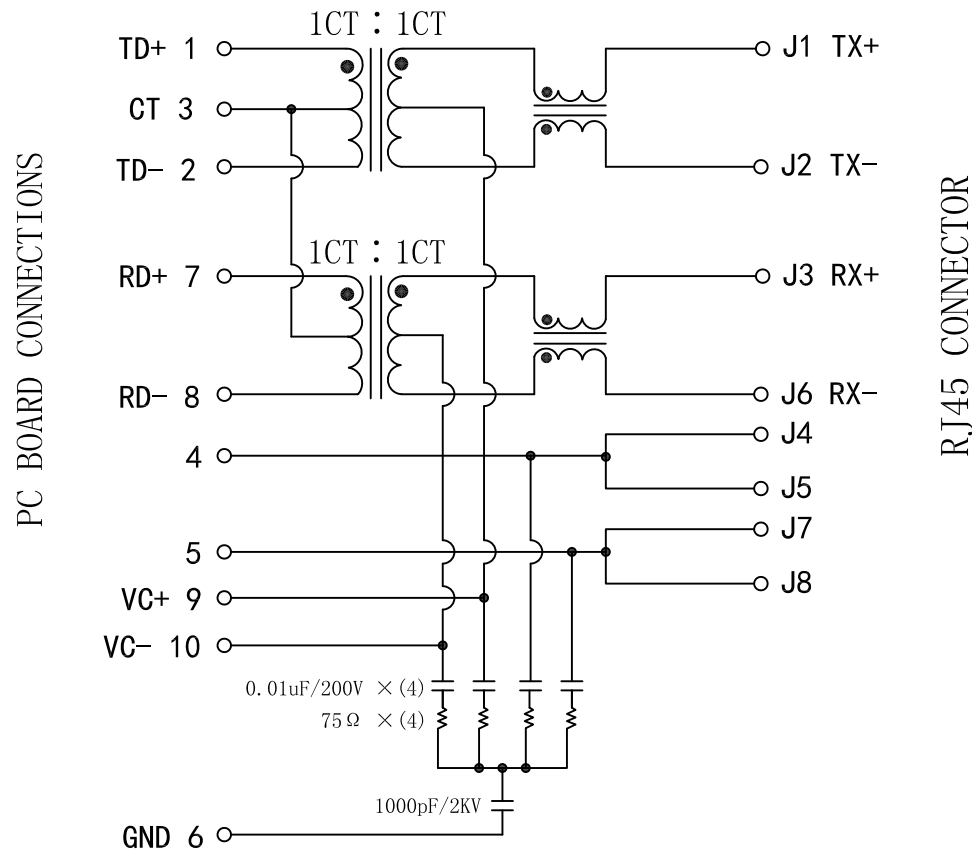


Schematic:

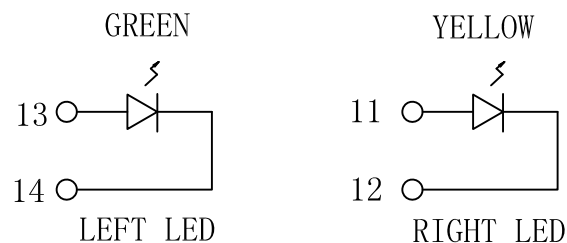
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-10-15	



Electrical Specifications @25°C

- Turns Ratio:
TX=1CT : 1CT RX=1CT : 1CT
- Inductance (@100KHz, 100mV, 8mA, DC Bias):
350uH Min
- Insertion Loss:
1~100MHz:-1.0dB Max
- Return Loss(dB Min. load 100 Ω):
1~30MHz:-18 30~60MHz:-16
60~80MHz:-12
- Crosstalk:
1~100MHz:-30dB Min
- common mode rejection:
1~100MHz:-30dB Min
- Hi-pot: 1200V, 60 Sec
- Operating Temperature: 0°C~70°C.

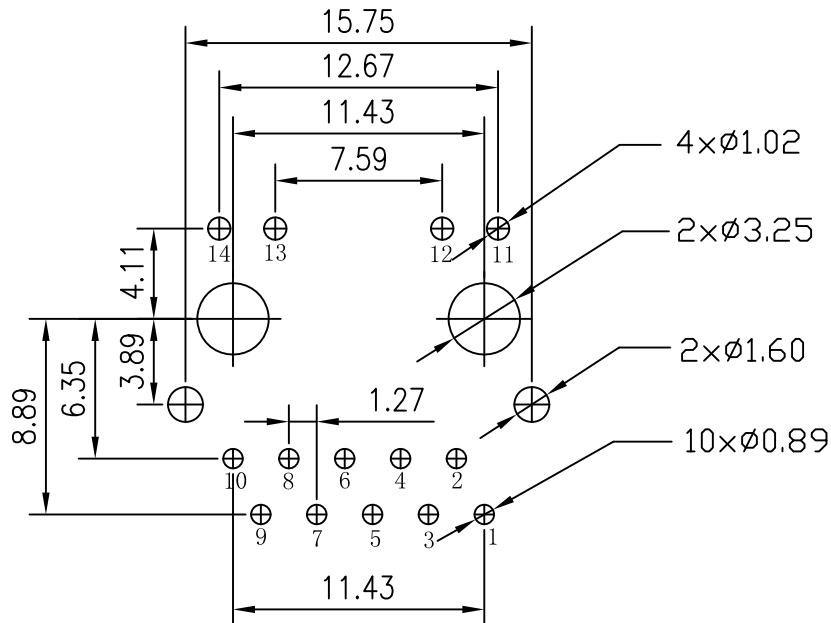
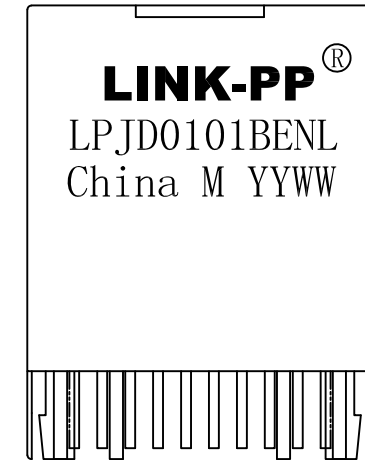
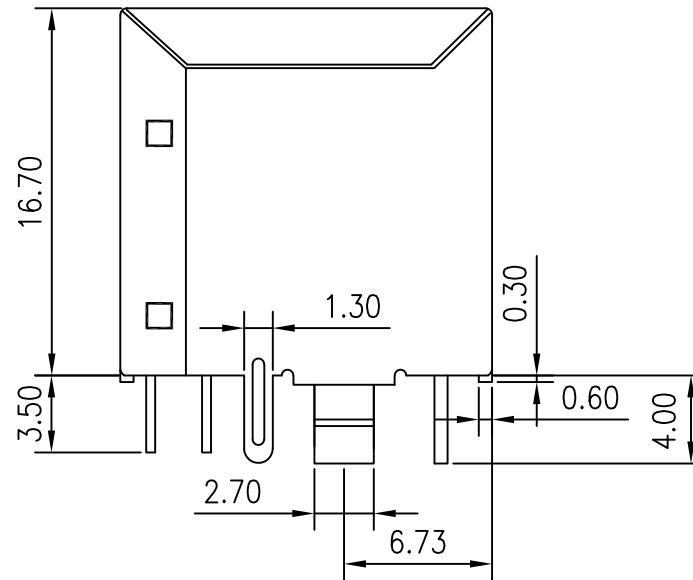
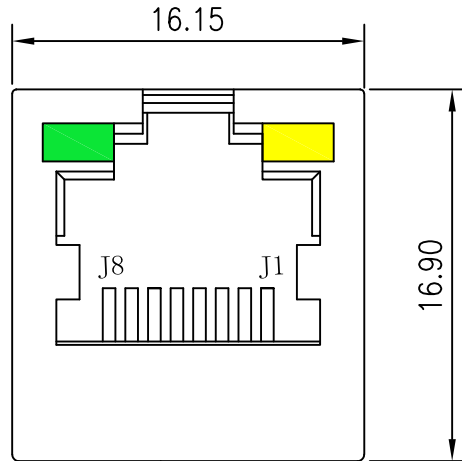
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max



X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: Vertical RJ45 Connector With 10/100 Magnetic For PoE Application	
ANGLES	±1°	UNIT: mm	PART NO.: LPJD0101BENL	
	SCALE: 3/1	SHEET: 1/2	REV: A	DWG NO.: LP10101501

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-10-15	



SUGGESTED PCB LAYOUT (TOP VIEW)



NOTES:

1. Meets IEEE 802.3af specification
2. Designed to handle 350mA DC for PoE.
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: Vertical RJ45 Connector With 10/100 Magnetic For PoE Application	
ANGLES	±1°	UNIT: mm	PART NO.: LPJD0101BENL	
	SCALE: 3/1	SHEET: 2/2	REV: A	DWG NO.: LP10101501