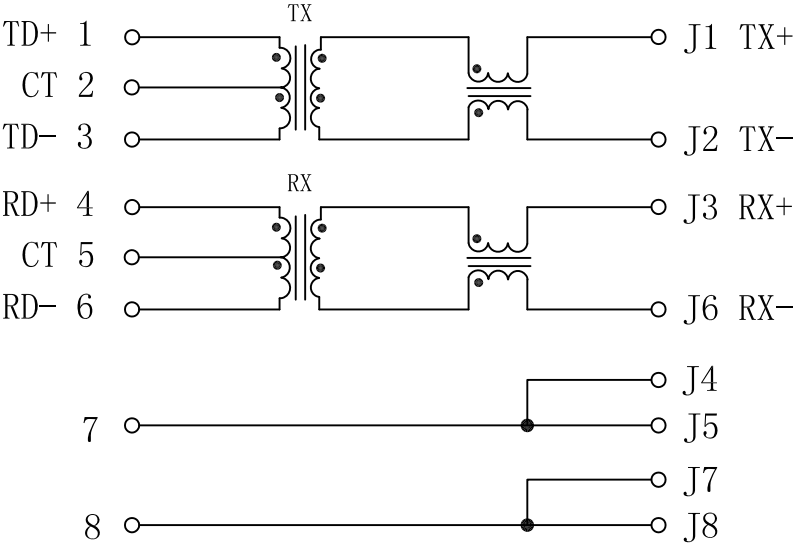


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		28/01/2010	

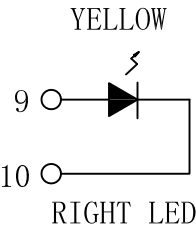
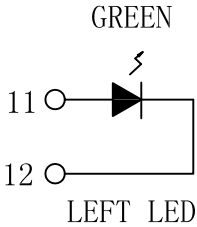
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @25°C

- 1. Turns Ratio( $\phi$ 5%):  
TX=1CT:1                      RX=1CT:1
- 2. Inductance: 350uH Min  
@100KHz 0.1V 8mA DC Bias
- 3. Insertion Loss:  
0.3-100MHz:-1.0dB Max
- 4. Return Loss(dB Min. 100 $\Omega$  $\pm$ 15 $\Omega$ ):  
1-30MHz:-20                      40MHz:-15  
50MHz:-15                      60-80MHz:-10
- 5. Crosstalk(dB Min):  
30MHz:-30                      60MHz:-30  
100MHz:-30
- 6. CMR(dB Min):  
30MHz:-30                      60MHz:-30  
100MHz:-30
- 7. PoE applications current capability: 350mA.
- 7. Hipot: 1000Vrms
- 8. Operating Temperature: 0°C~70°C.



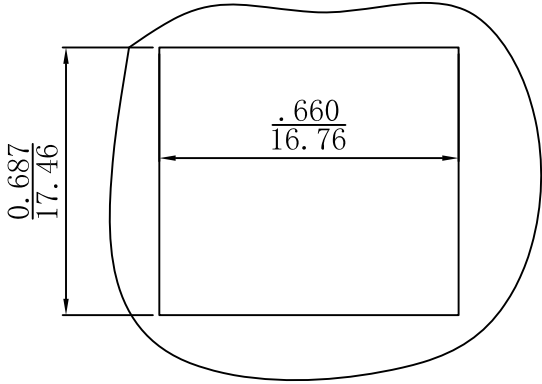
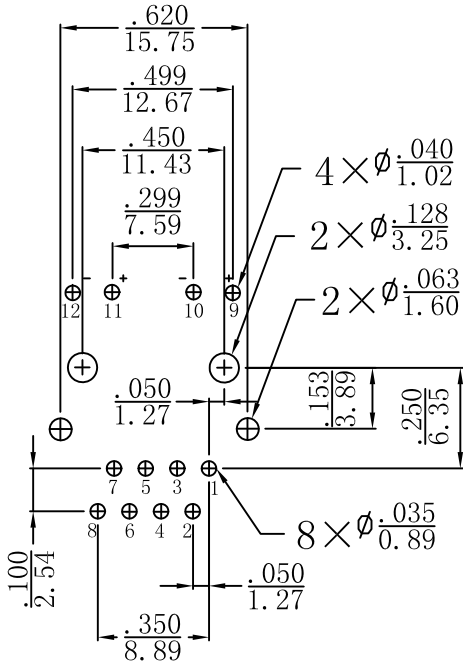
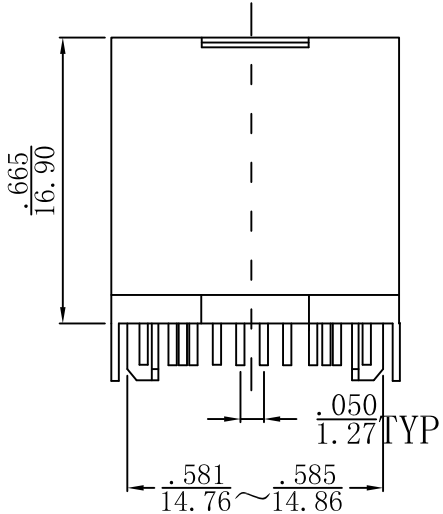
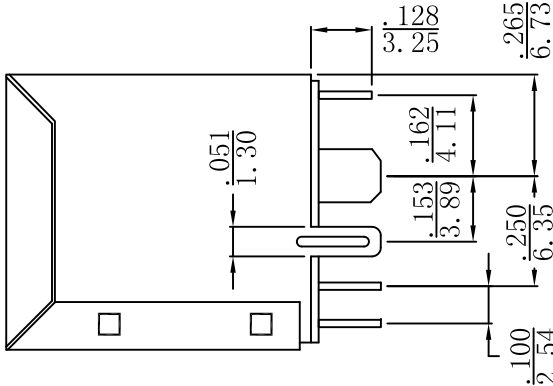
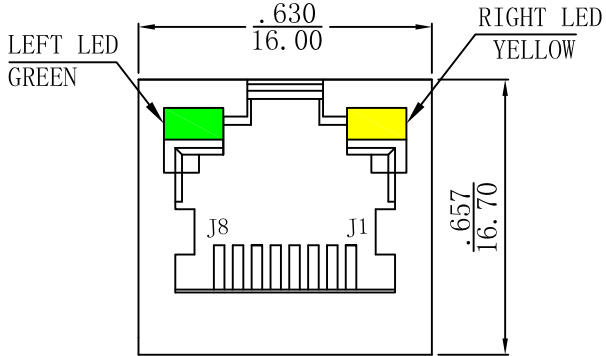
RoHS  
2011/65/EU



X:X	$\pm 0.20$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	$\pm 0.10$	CHKD:		
X:XXX	$\pm 0.05$	DR: TOM	TITLE: Vertical RJ45 Connector With 10/100 Magnetic For PoE Application	
ANGLES	$\pm 1^\circ$	UNIT: Inches/mm	PART NO: LPJD0115BENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO: LP10012805

**Mechanical:**

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		28/01/2010	




### RECOMMENDED PANEL CUTOUT DIMENSION



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
  - Wave solder tip temperature time: 5 Sec Max

X:X	±0. 20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED			
X:XX	±0. 10	CHKD:				
X:XXX	±0. 05	DR: TOM	TITLE: Vertical RJ45 Connector With 10/100 Magnetic For PoE Application			
ANGLES	±1°	UNIT: Inches/mm	PART NO: LPJD0115BENL			
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO: LP10012805		