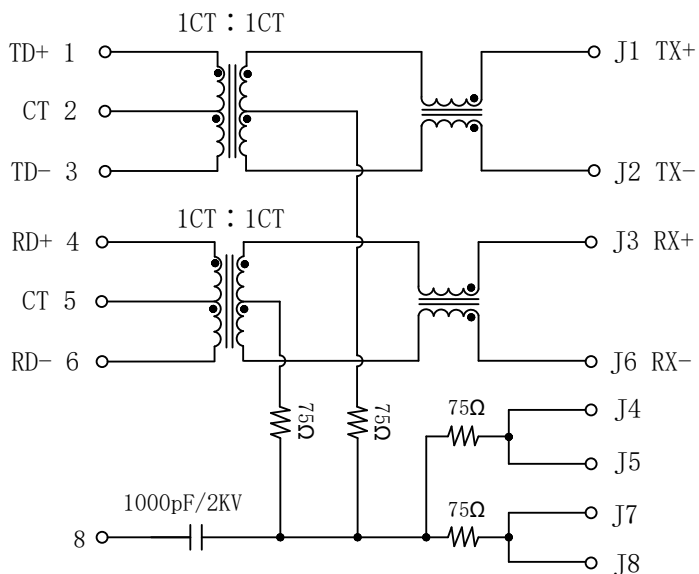
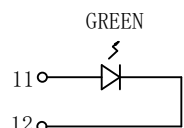


Schematic:

PC BOARD CONNECTIONS

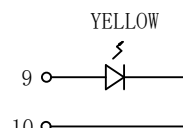


RJ45 CONNECTOR



LEFT LED

LED POLARITY		COLOR
PIN 11	PIN 12	
+	-	GREEN



RIGHT LED

LED POLARITY		COLOR
PIN 9	PIN 10	
+	-	GREEN



Electrical Specification:

TEST NOTES (25±5°C)

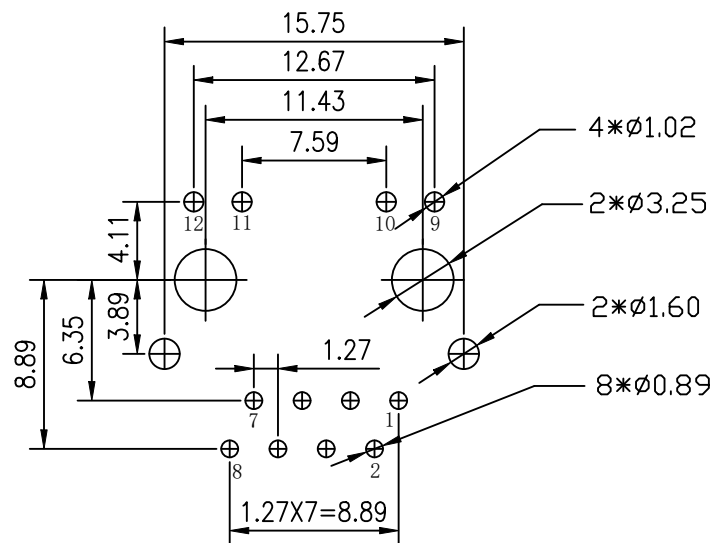
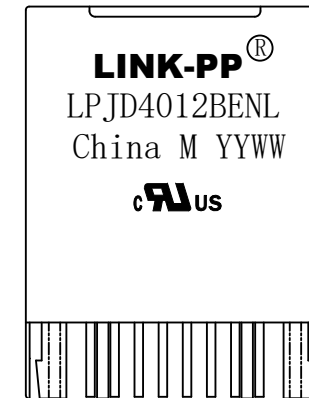
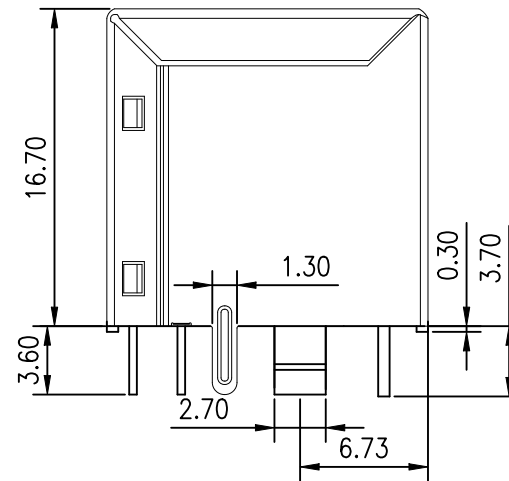
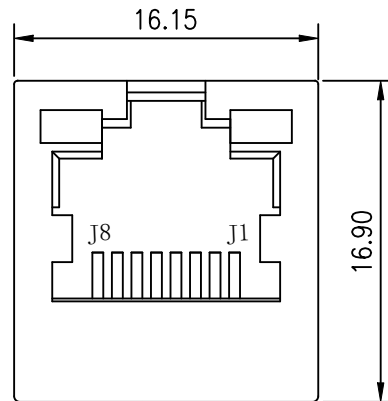
1. TR: (100KHz, 0.1V);
TX=1CT:1CT ±2% RX=1CT:1CT±2%
2. LX: (100KHz, 100mV, 8mA, DC Bias)
PINS: (P1-P3), (P4-P6)=350uH MIN
3. Transmitter filter & Receiver filter Type:
Balance low pass 100Ω impedance
4. HIPOT:
Isolation PHY SIDE To Line SIDE : 1500Vrms
5. INSERTION LOSS:
-1.0dB MAX @ 1.0MHz TO 100MHz
6. RETURN LOSS:
-18dB MIN @ 1.0MHz TO 30MHz
-16dB MIN @ 30MHz TO 60MHz
-12dB MIN @ 60MHz TO 80MHz
7. CROSS TALK:
-30dB MIN @1.0MHz TO 100MHz
8. COMMON MODE REJECTION:
-30dB MIN @1.0MHz TO 100MHz
9. OPERATING TEMPERATURE: -40°C ~+85°C.

Emitting Color	λp(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: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD: JAMES		
X:XXX	±0.05	DR: LEO	TITLE: Vertical RJ45 Connector With 10/100 Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: LPJD4012BENL	
SCALE: 2/1		SHEET: 1/2	REV: A6	DWG NO.: LP10060202

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2010/06/02	



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 802.3 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: SUS 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.
5. UL Certification: File Number E484635.

X:X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD: JAMES	TITLE: Vertical RJ45 Connector With 10/100 Magnetic	
X:XXX	±0.05	DR: LEO	PART NO.: LPJD4012BENL	
ANGLES	±1°	UNIT: mm	DWG NO.: LP10060202	
SCALE: 2/1		SHEET: 2/2	REV: A6	