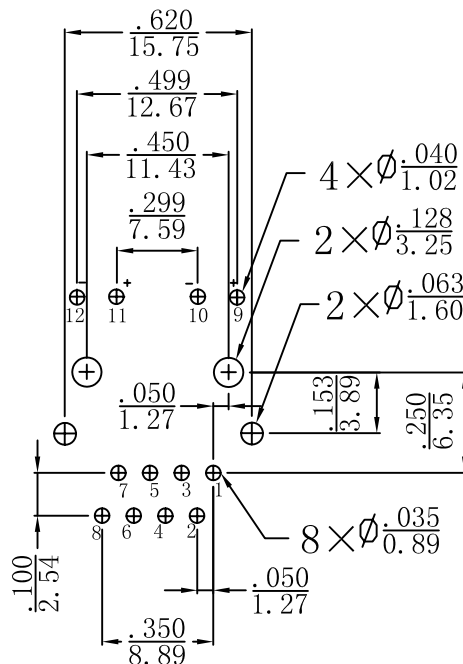
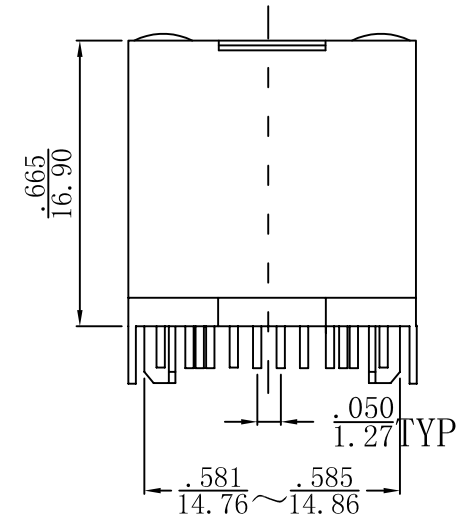
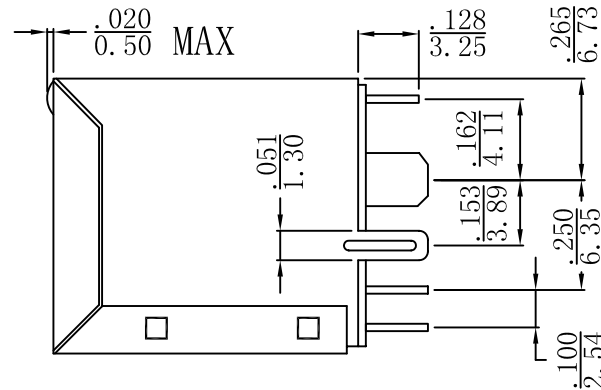
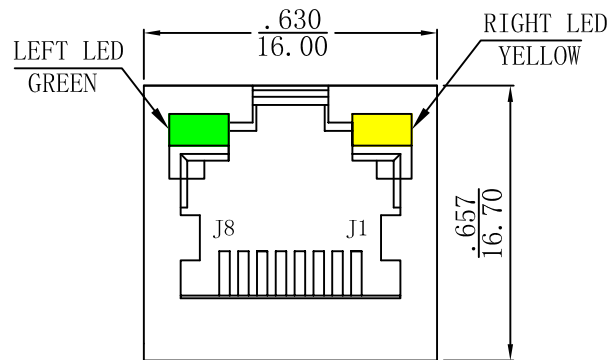
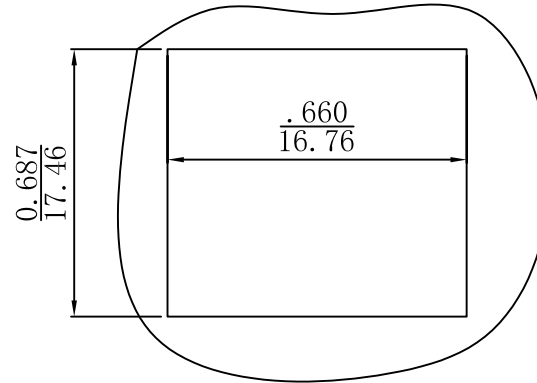


Mechanical:

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



SUGGESTED PCB LAYOUT (TOP VIEW)



RECOMMENDED PANEL CUTOUT DIMENSION



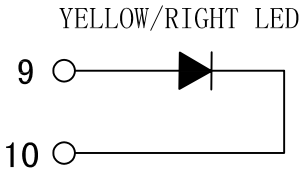
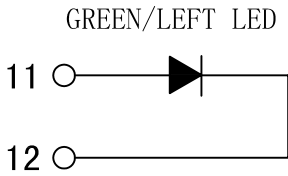
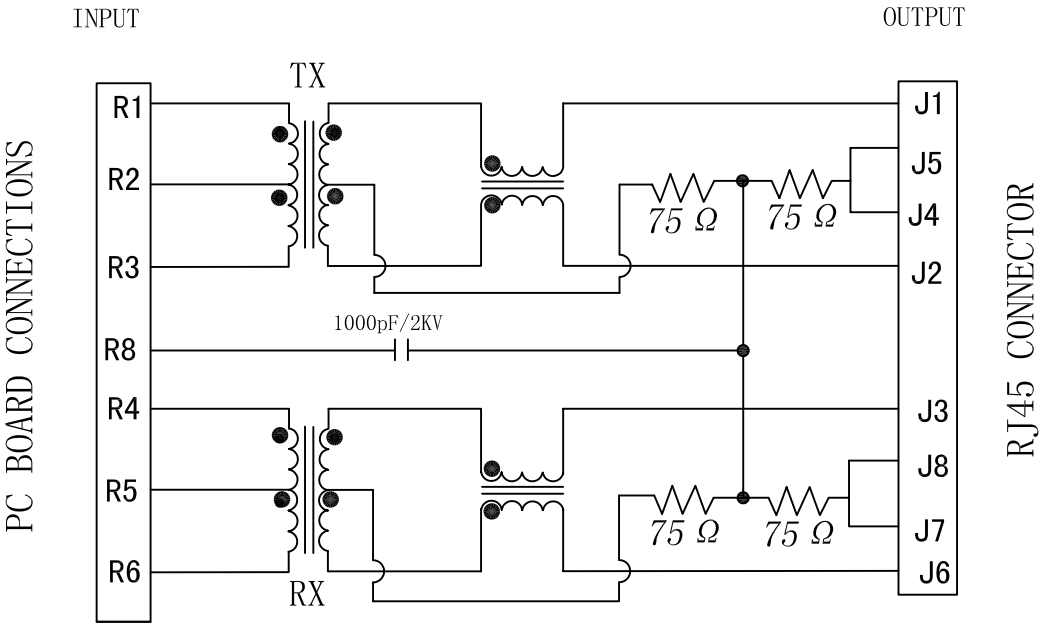
NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 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
5. UL Certification: File Number E321120

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	
ANGLES	±1°	UNIT: Inches/mm	PART NO.: LPJD4012BENL	
SCALE: 2/1		SHEET: 1/2	REV: A	DWG NO.: LP10060202

Schematic:

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



Electrical Specification:

- TEST NOTES (25±5℃)
1. TR: (100KHz, 0. 1V) ;
TX=1:1±2% RX=1:1±2%
 2. LX: (100KHz, 100mV, 8mA, DC Bias)
PINS: (R1-R3), (R4-R6)=350uH MIN
 3. Transmitter filter & Receiver filter Type:
Balance low pass 100Ω impedance
 4. HIPOT:
Input (R1-R3) TO Output (C1-C2):1500VAC 60sec
Input (R4-R6) TO Output (C3-C6):1500VAC 60sec
 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℃ ~+85℃.

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	
ANGLES	±1°	UNIT: Inches/mm	PART NO. : LPJD4012BENL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : LP10060202