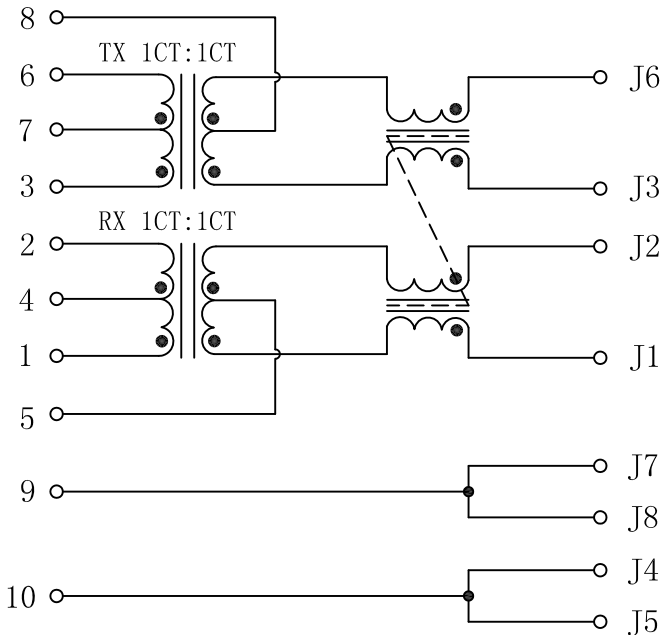


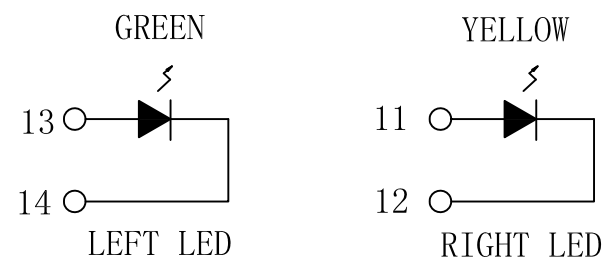
Schematic:

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

PC BOARD CONNECTIONS



RJ45 CONNECTOR



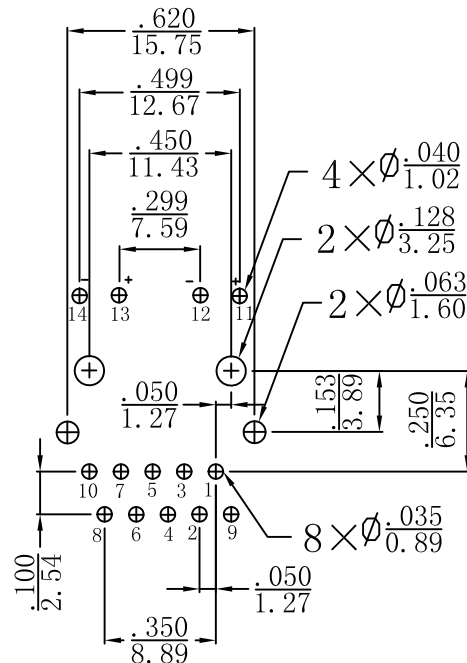
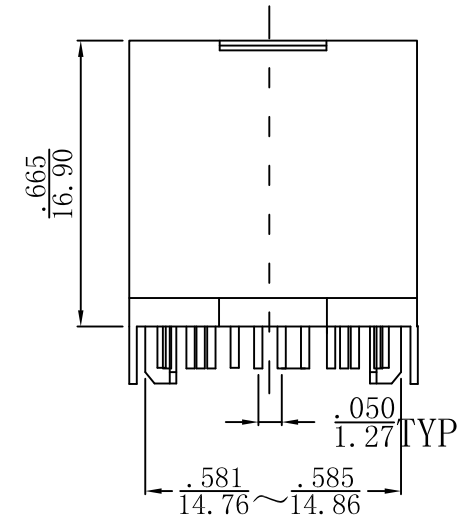
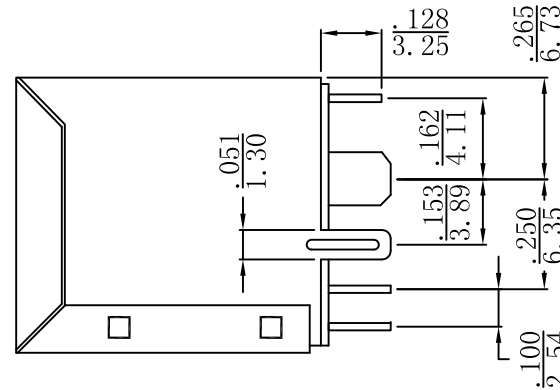
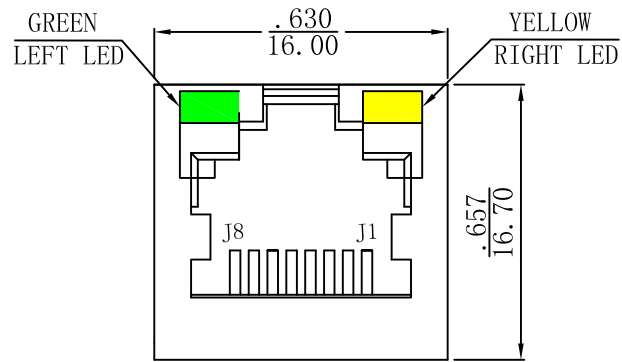
Electronics Specification @25℃

- 1. TURNS RATIO($\pm 2\%$) :
TX=1CT:1CT RX=1CT:1CT
- 2. Inductance OCL: 350uH MIN
@100KHz/0.1V,8mA DC Bias
- 3. DCR:1.0 OHMS MAX
- 4. HIPOT: 1500Vrms MIN
- 5. INSERTION LOSS:
-1.2dB MAX @ 1MHz TO 100MHz
- 6. RETURN LOSS:
-16dB MIN @ 1MHz TO 30MHz
-14dB MIN @ 40MHz
-13dB MIN @ 50MHz
-12dB MIN @ 60MHz TO 80MHz
- 7. CROSS TALK:
-43dB MIN @ 30MHz
-37dB MIN @ 60MHz
-33dB MIN @ 100MHz
- 8. COMMON TO COMMON MODE REJECTION:
-30dB MIN @ 1MHz TO 50MHz
-20dB MIN @ 50MHz TO 150MHz
- 9. HIPOT: 1000VAC/0.5mA/60Sec.
- 10. OPERATING TEMPERATURE: -40℃~+85℃.

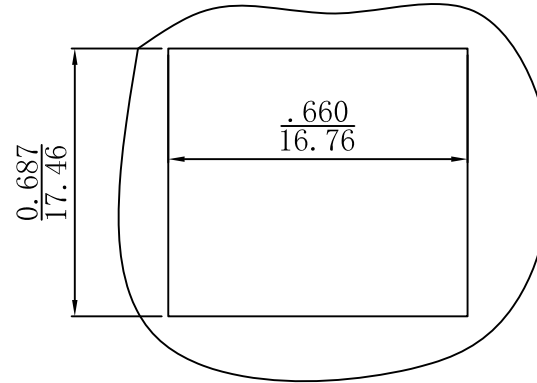
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector With 10/100 Base-TX Integrated VoIP Magnetic For PoE Application	
ANGLES	$\pm 1^\circ$	UNIT: Inches/mm	PART NO. : LPJD4514BENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP10101512

Mechanical:

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



SUGGESTED PCB LAYOUT (TOP VIEW)

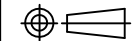


RECOMMENDED PANEL
CUTOUT DIMENSION



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. Support Power over Ethernet (PoE).
4. Designed to handle 600mA DC for PoE.
5. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
6. Wave solder tip temperature: 265°C Max
Wave solder tip temperature time: 5 Sec 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 Connector With 10/100 Base-TX Integrated VoIP Magnetic For PoE Application	
ANGLES	±1°	UNIT: Inches/mm	PART NO.: LPJD4514BENL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10101512