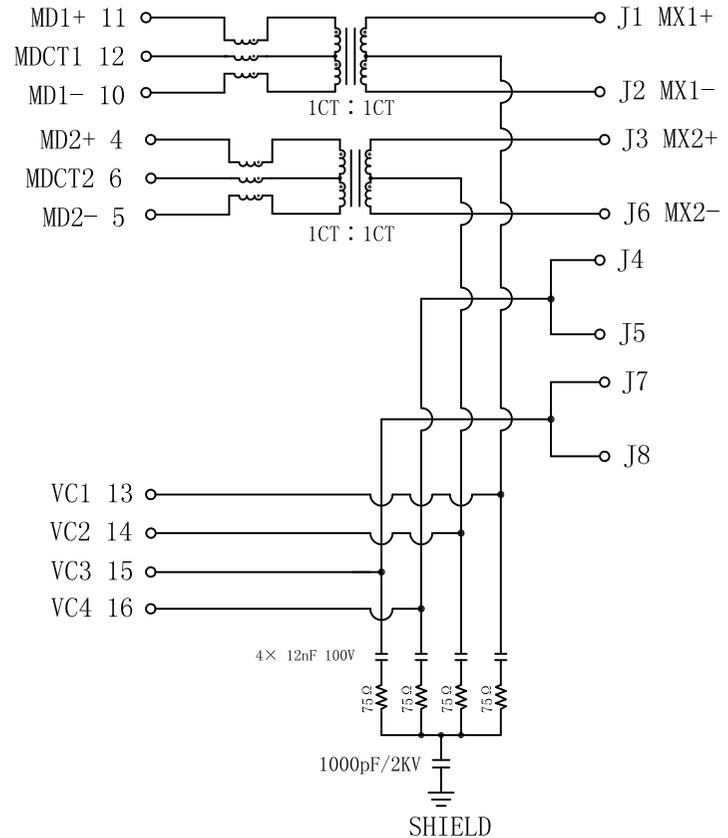


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/08/02	

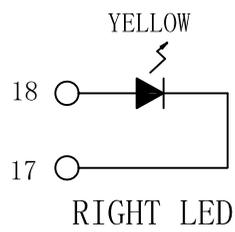
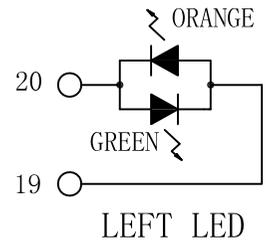
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @25°C

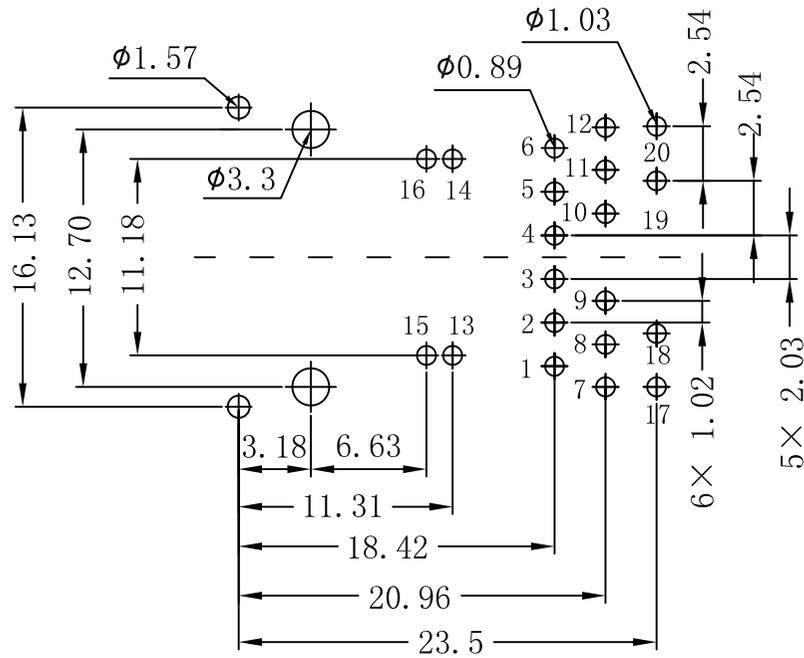
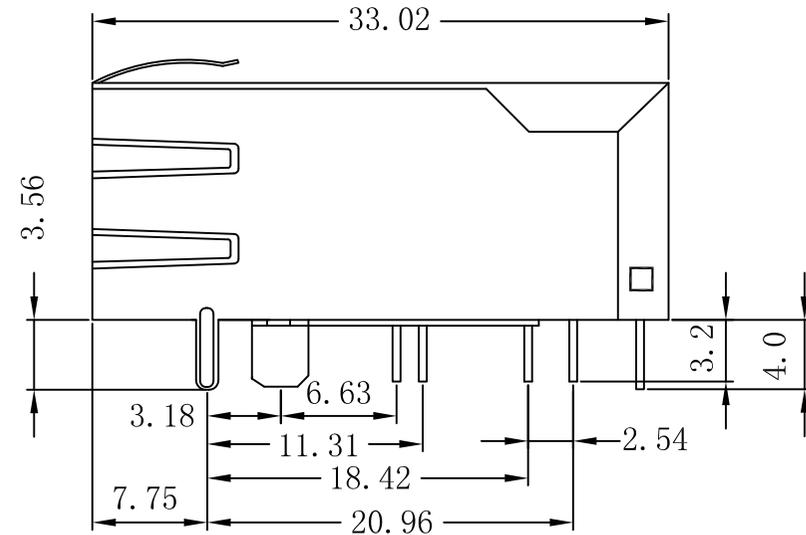
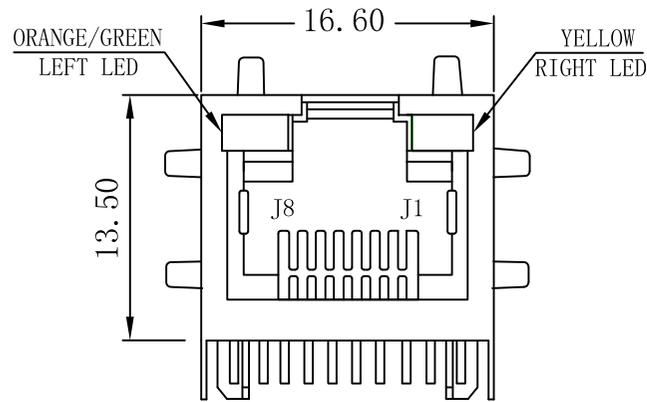
- Inductance (@100KHz, 0.1V, 18mADC):
J1-J2, J3-J6: 350uH Min
- Turns Ratio ($\pm 2\%$):
1CT : 1CT
- Insertion Loss:
1-100MHz: -1.0 dB Max
- Return Loss (dB Min):
1-30MHz: -18 30-45MHz: -16
45-60MHz: -14 60-80MHz: -12
- Crosstalk:
1-100MHz: -30dB Typ
- Common Mode Rejection:
1-100MHz: -35dB Min
- Hipot: 1500Vrms Min @60Hz
- Operating Temperature: 0°C ~ 70°C.
- Designed to handle 600mADC and meet 802.3at.



X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic For PoE+ Application	
X:XXX	± 0.05	DR: TOM		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJK2005AONL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP13080212

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/08/02	



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: 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	± 0.30	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 Magnetic For PoE+ Application
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJK2005AONL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP13080212