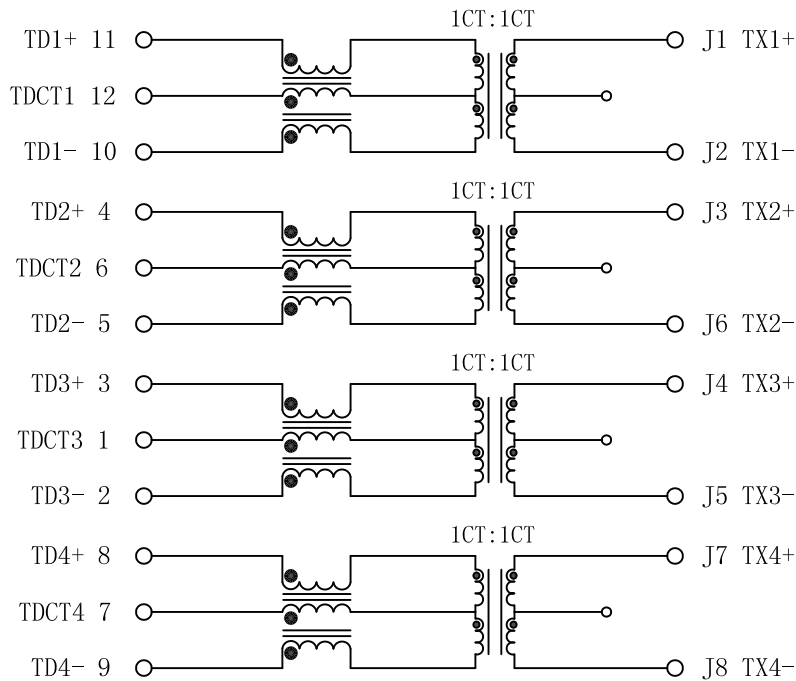


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		13/10/2007	

PCB SIDE



CABLE SIDE

Electrical Specifications @25℃

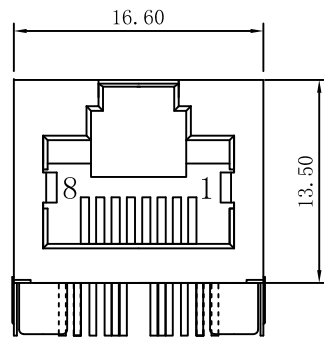
- 1. Turns Ratio(±2%) :
Pri : Sec = 1CT : 1CT
- 2. OCL: 350uH min
@100KHz. 100mV, 8mA bias current.
- 3. Insertion Loss:
1~100MHz:-1.0dB max
- 4. Return Loss(dB min):
1~10MHz:-20 30MHz:-16
60~80MHz:-12 80~100MHz:-10
- 5. Crosstalk(dB min):
1~10MHz:-40 32~65MHz:-35
65~100MHz:-30
- 6. Common Mode Rejection(dB min):
1~125MHz:-30 125~500MHz:-20
- 7. Hi-Pot: 1500Vrms
- 8. Operating Temperature: 0℃~70℃.



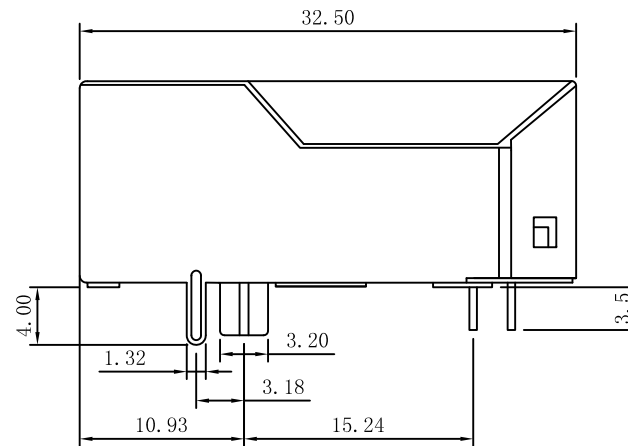
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-TX Integrated Magnetic	
X:XXX	±0.05	DR: TOM	PART NO.: LPJK0014DNL	
ANGLES	±1°	UNIT: mm	DWG NO.: LP07101316	
		SCALE: 2/1	SHEET: 1/2	REV: A

Mechanical:

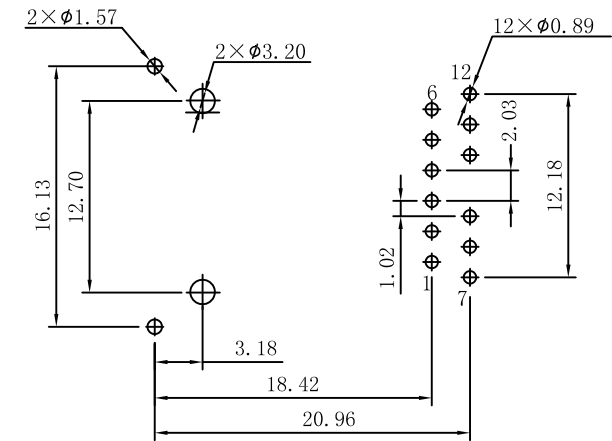
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		13/10/2007	



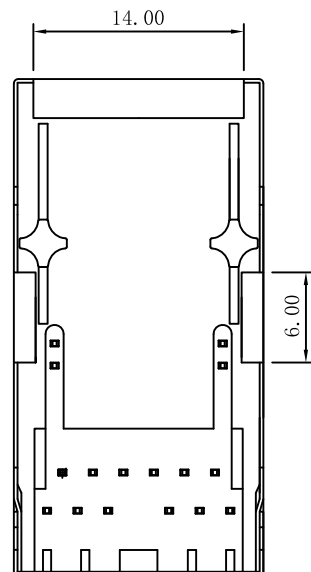
Front Side View



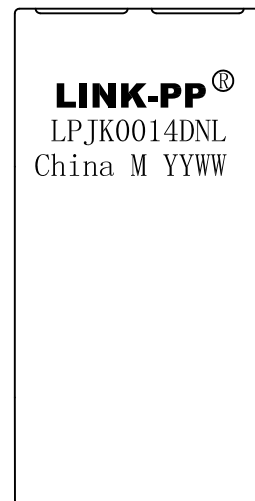
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side 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: Copper alloy Brass H65Y 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:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-TX Integrated Magnetic	
X:XXX	±0.05	DR: TOM		
ANGLES	±1°	UNIT: mm	PART NO.: LPJK0014DNL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP07101316		