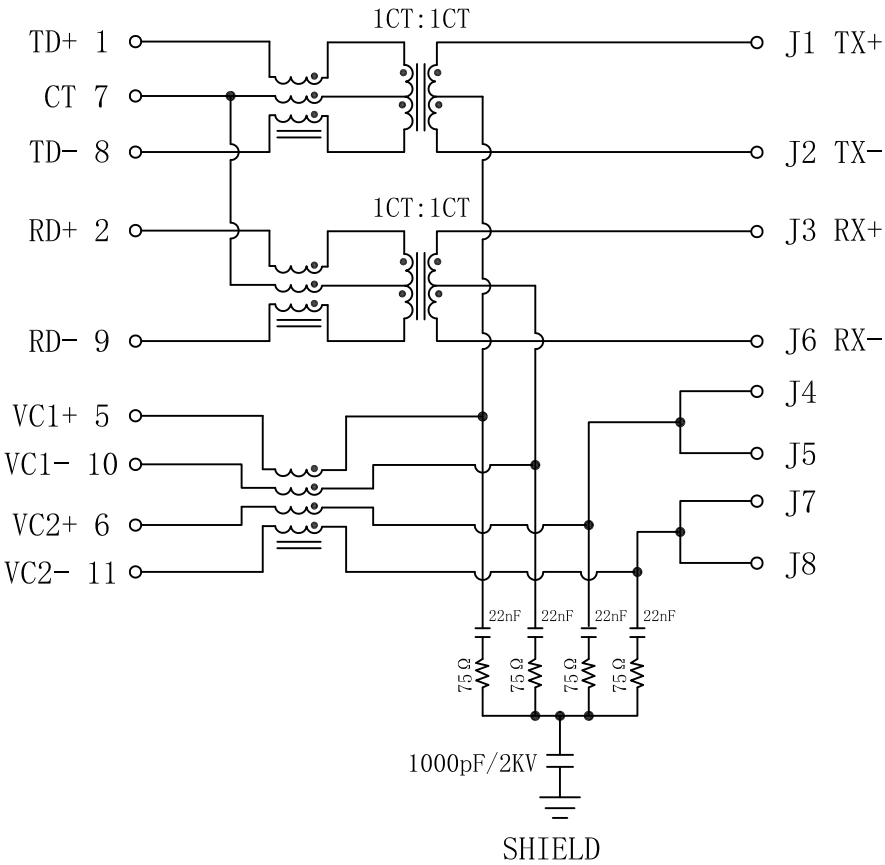


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-06-30	

PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

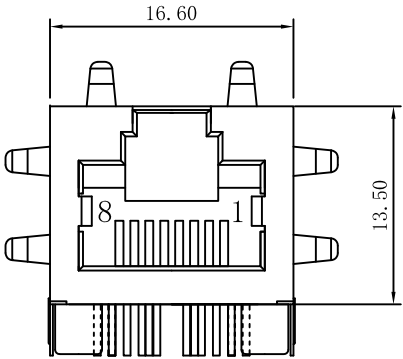
1. Turn Ratio($\pm 3\%$):
1CT:1CT
2. Inductance OCL:
350uH MIN @ 100KHz 0.1V 8mA DC Bias
3. DCR: 1.2 Ω MAX
4. Insertion Loss:
-1.0dB MAX @ 1-100MHz
5. Return Loss:
-18dB MIN @ 1-30MHz
-14dB MIN @ 30-60MHz
-12dB MIN @ 60-80MHz
6. Crosstalk:
-30dB MIN @ 1-100MHz
7. Common Mode Rejection:
-30dB MIN @ 1-100MHz
8. Balanced DC Line Current:
350mA MAX @57VDC Continuous
500mA MAX @57VDC For 200 Millseconds.
9. Hipot Test: 1500Vrms
10. Operating Temperature Range: 0°C TO 70°C



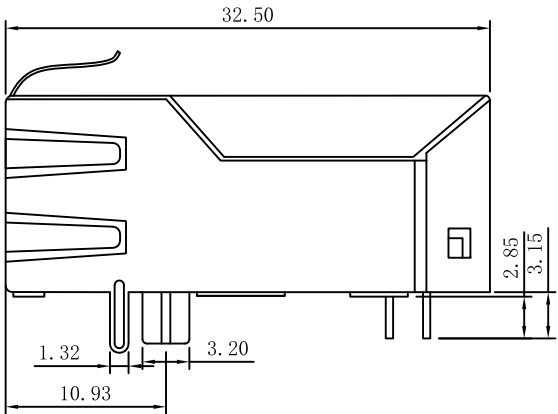
X:X ±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.20	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application		
ANGLES ±1°	UNIT: mm	PART NO. : LPJK0010CNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP13091659

Mechanical :

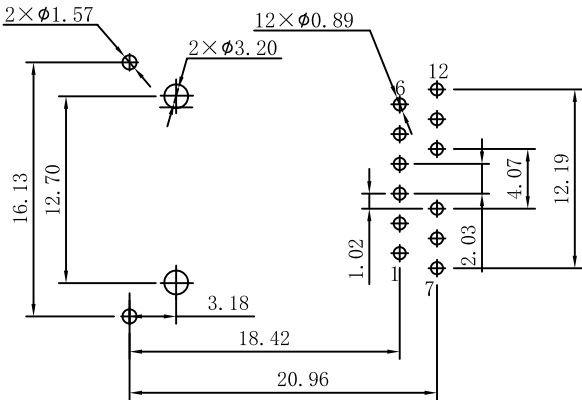
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-06-30	



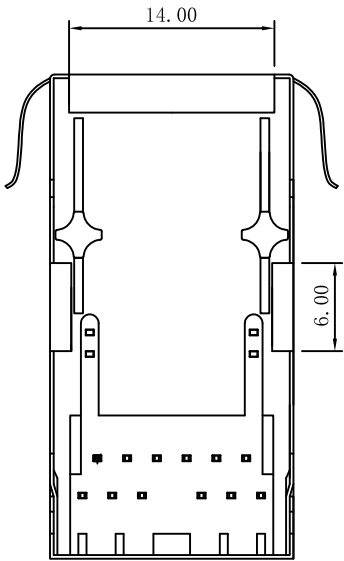
Front Side View



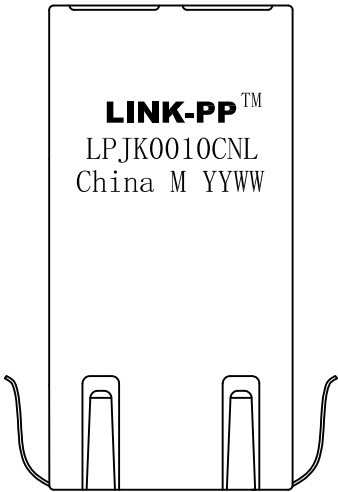
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

- NOTES:
- 1.Meets IEEE 802.3af specification
 2. Connector Materials:
Housing:Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min.In contact area.
 - 3.Wave solder tip temperature: 265℃ Max,5 Sec Max



X:X ±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.20	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application		
ANGLES ±1°	UNIT: mm	PART NO. : LPJK0010CNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : LP13091659