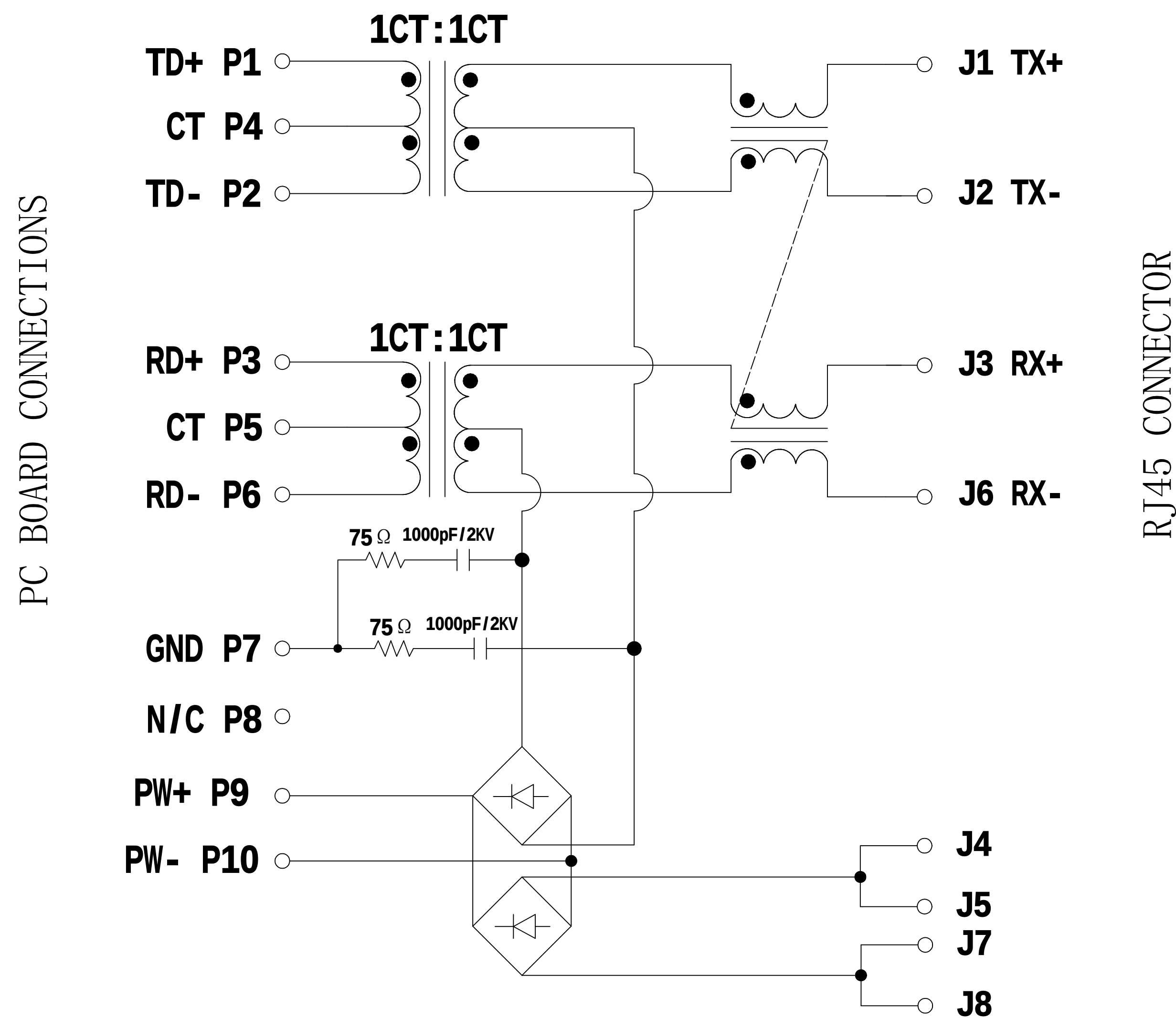


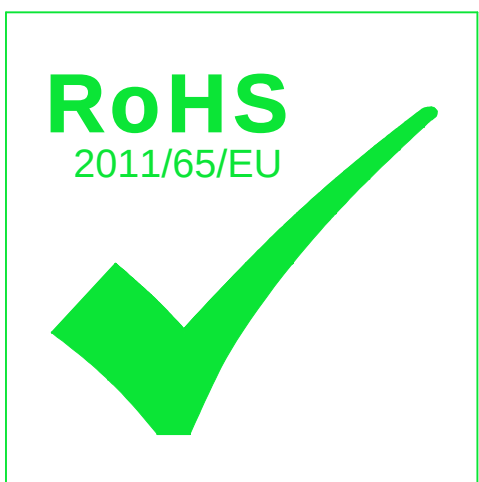
Schematic:

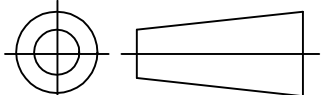
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-12-29	
B	REL	Delete eighth pin	2019-11-06	



ELECTRICAL SPECIFICATIONS @25°C

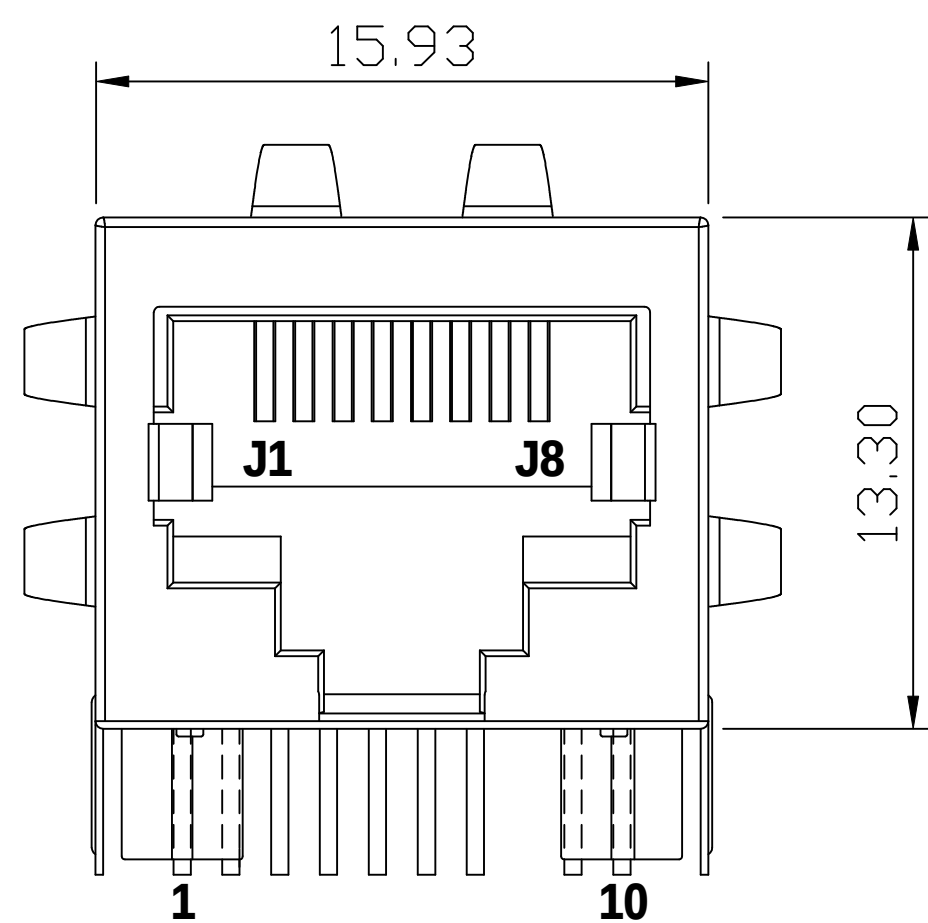
- Turn Ratio($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @ 100KHz 0.1V 8mA DC Bias
- DCR:
1.2 Ω MAX
- Insertion Loss:
-1.0dB MAX @ 1-100MHz
- Return Loss:
-16dB MIN @ 1-30MHz
-14dB MIN @ 30-60MHz
-10dB MIN @ 60-100MHz
- Cross talk:
-30dB MIN @ 1-100MHz
- Common Mode Rejection:
-30dB MIN @ 1-100MHz
- Balanced DC Line Current: 350mA MAX @48VDC
- Hipot Test: 1500Vrms
- Operating Temperature Range: -40°C to +85°C.



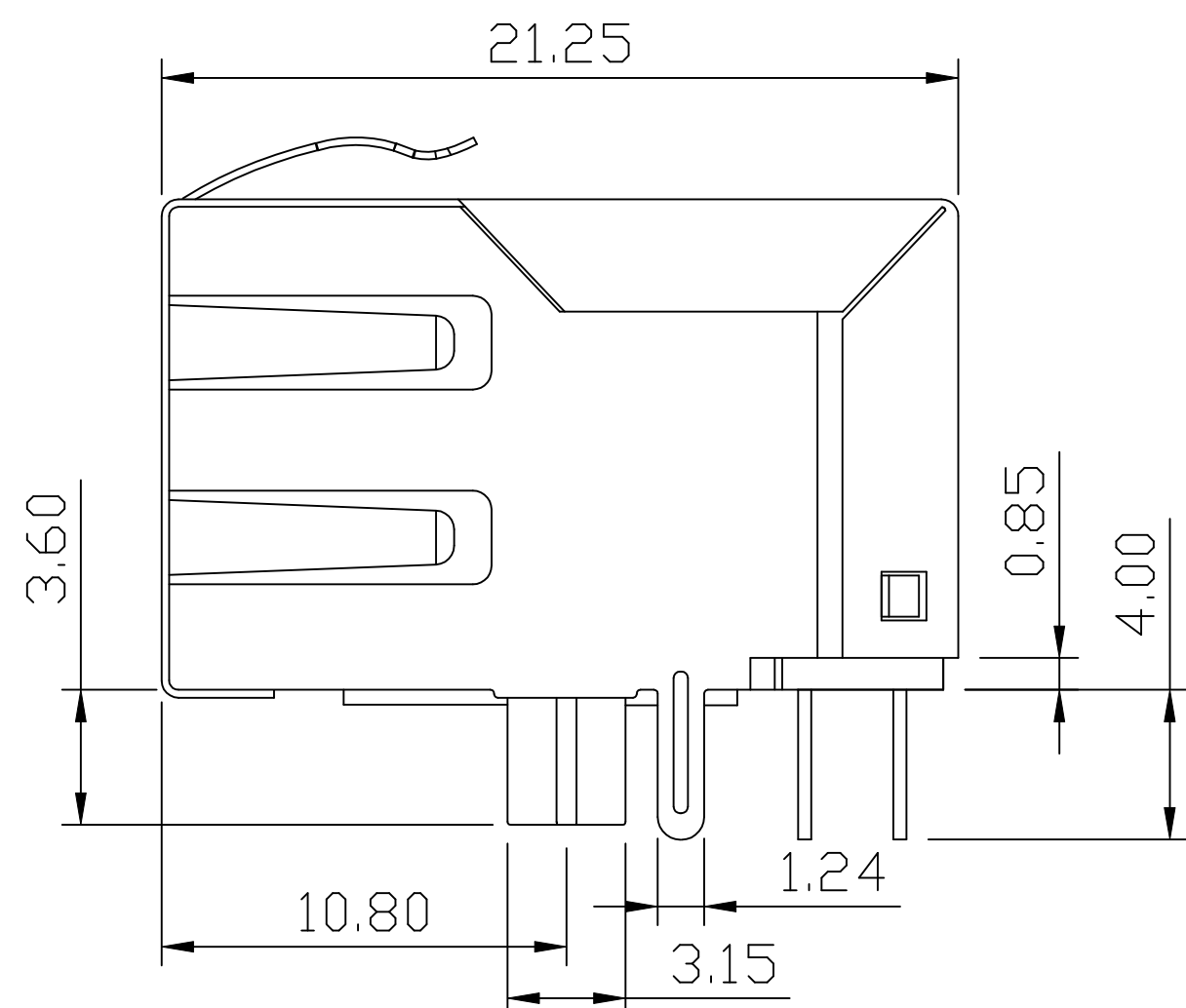
X:X ± 0.30		APPD: TOM		LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ± 0.25		CHKD: JAMES			
X:XXX ± 0.05		DR: JULY		TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application	
ANGLES ± 1°		UNIT: mm		PART NO.: LPJ4284CNLV	
		SCALE: 2/1	SHEET: 1/2	REV: B	DWG NO.: LP19110603

Mechanical:

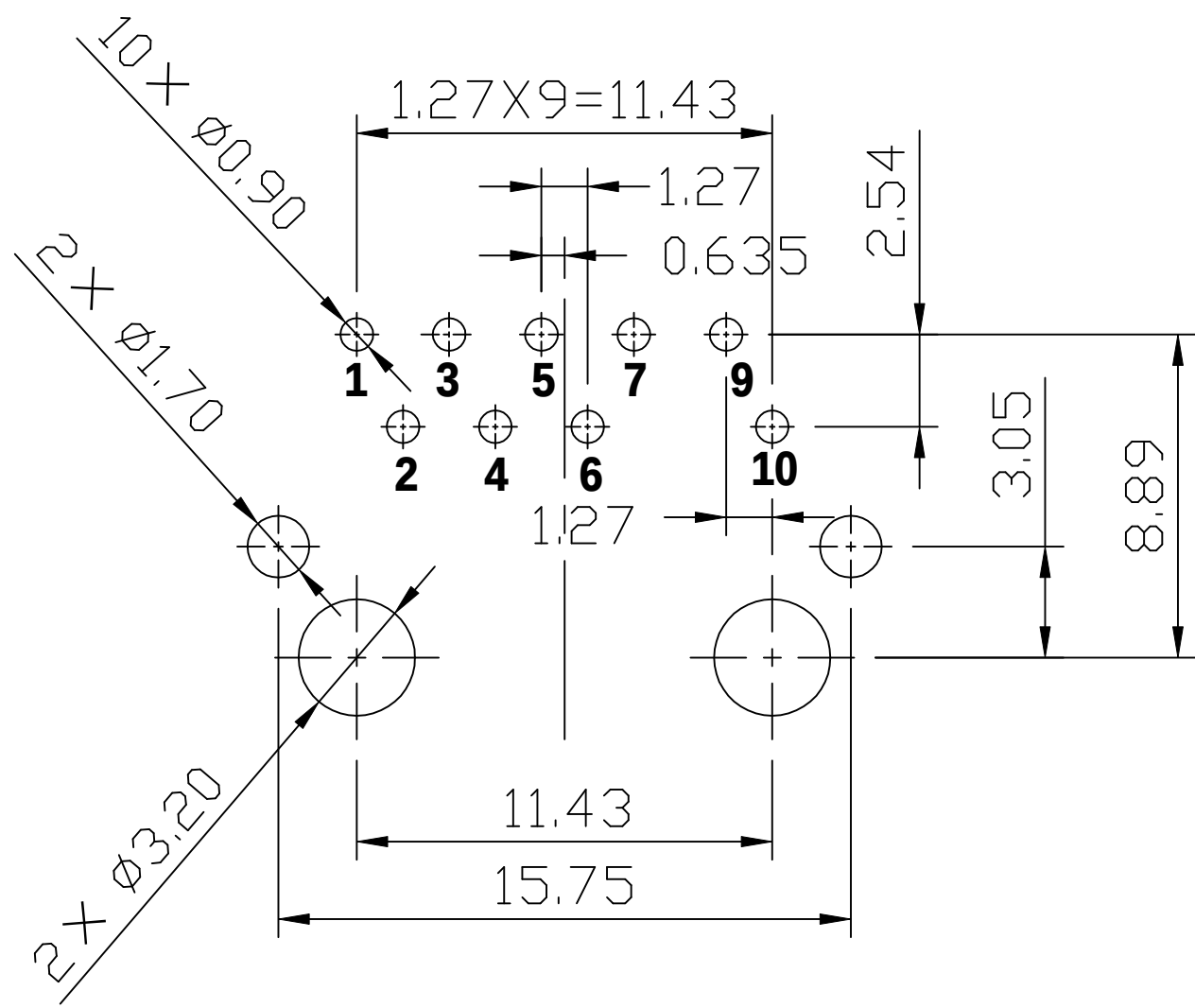
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-12-29	
B	REL	Delete eighth pin	2019-11-06	



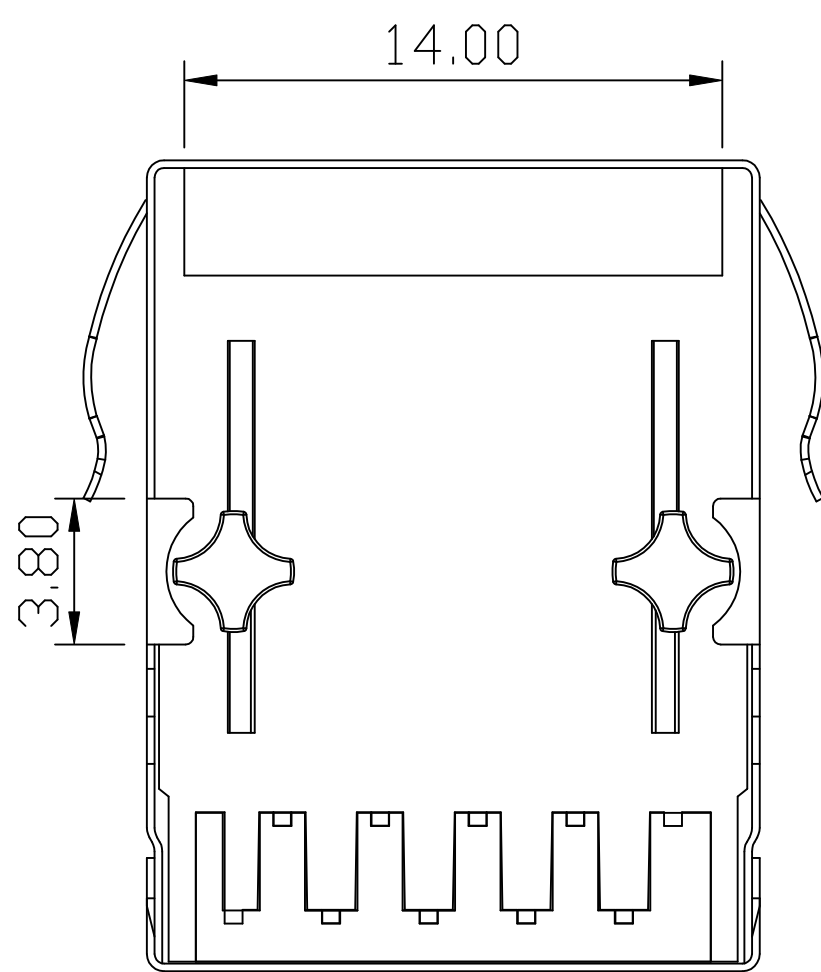
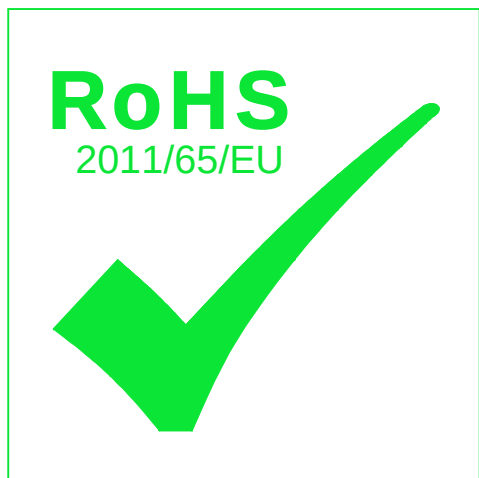
Front Side View



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 IEEE802.3af specification
- 3.Connector Materials:
Housing: Thermoplastic PBT+30%G.F UL94V-0
Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min.In contact area.
- 4.Wave solder tip temperature: 265℃ Max,5 Sec.
- 5.UL Certification: File Number E484635.

X:X ± 0.30		APPD: TOM		LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25		CHKD: JAMES				
X:XXX ± 0.05		DR: JULY		TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application		
ANGLES ± 1°		UNIT: mm		PART NO.: LPJ4284CNLV		
		SCALE: 2/1	SHEET: 2/2	REV: B	DWG NO.: LP19110603	