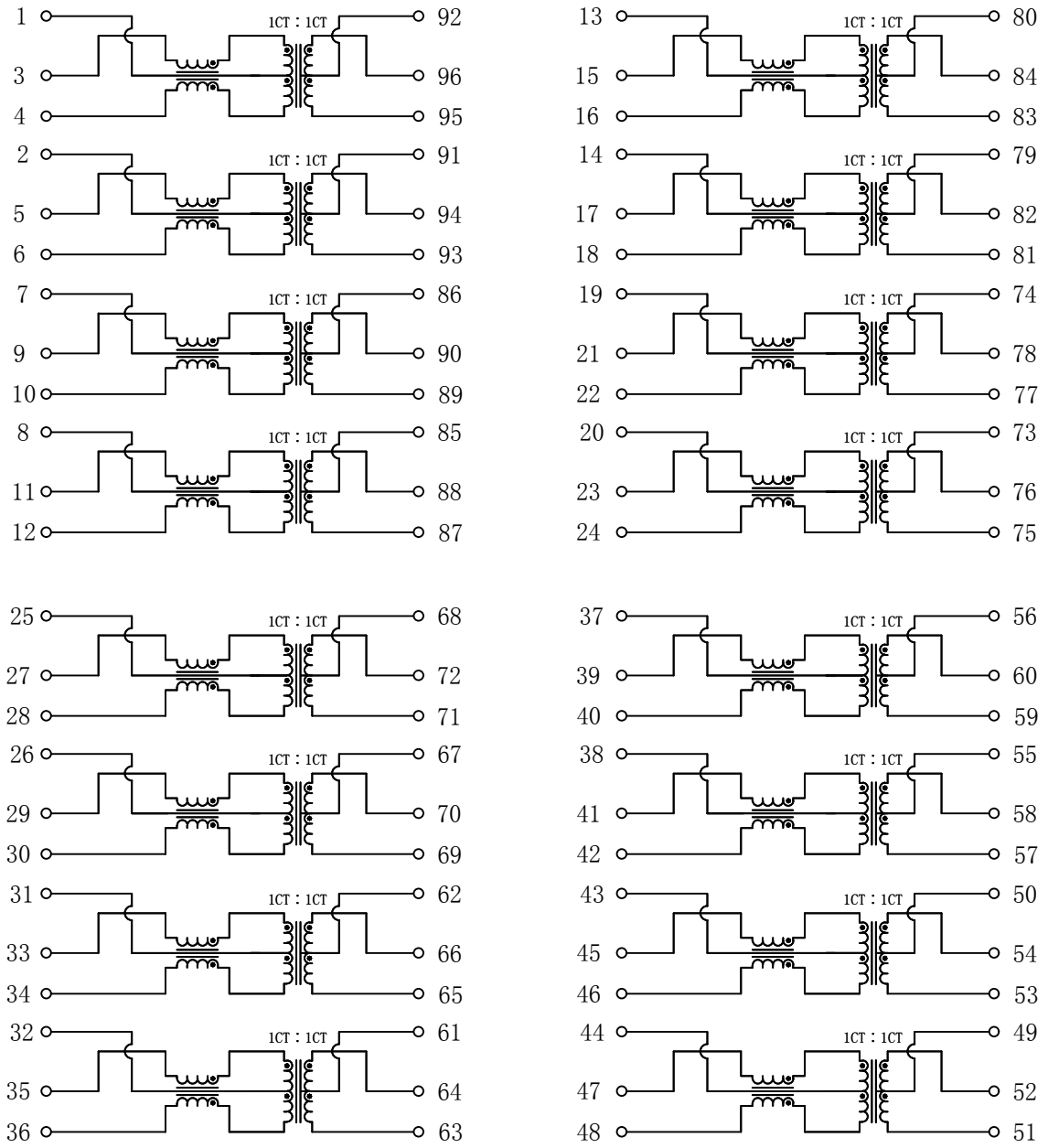


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2019/09/18	



Electrical Specifications @25°C

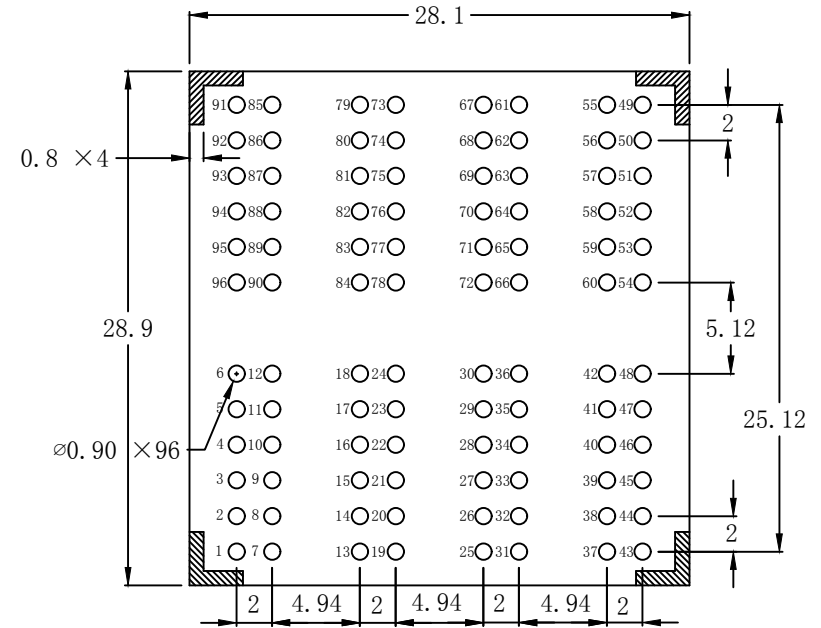
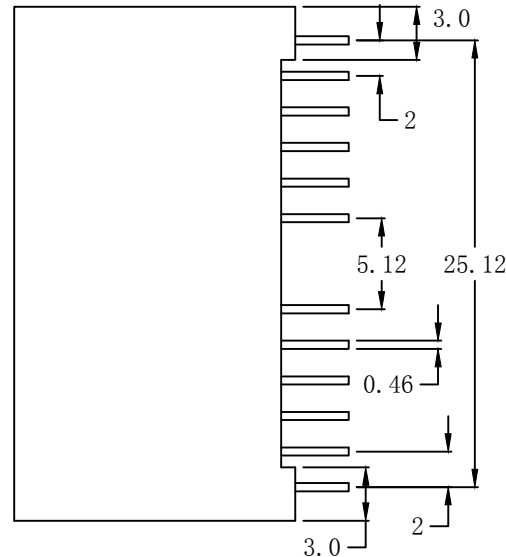
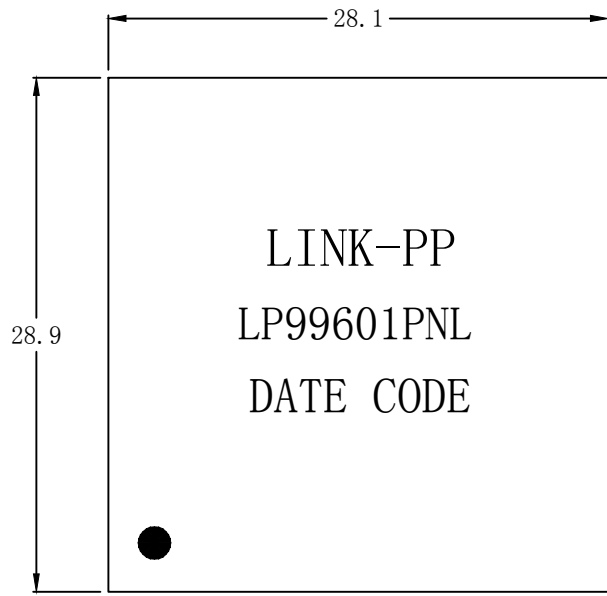
- Turns Ratio ($\pm 5\%$):
1CT:1CT
- OCL (100KHz, 100mV, 8mA, DC Bias):
120uH MIN
- Insertion Loss (dB MAX):
1-200MHz: -1.5 200-300MHz: -2.0
300-500MHz: -3.0
- Return Loss (dB MIN):
1-40MHz: -18
40-500MHz: $-17 + 10 \log(f/40)$
- Crosstalk (dB MIN):
1-100MHz: -30 100-500MHz: -25
- CDMR (dB MIN):
1-250MHz: -30 250-500MHz: -22
- Hipot: 1500VAC 1mA 60S
- Operating Temperature: 0°C ~ +70°C.



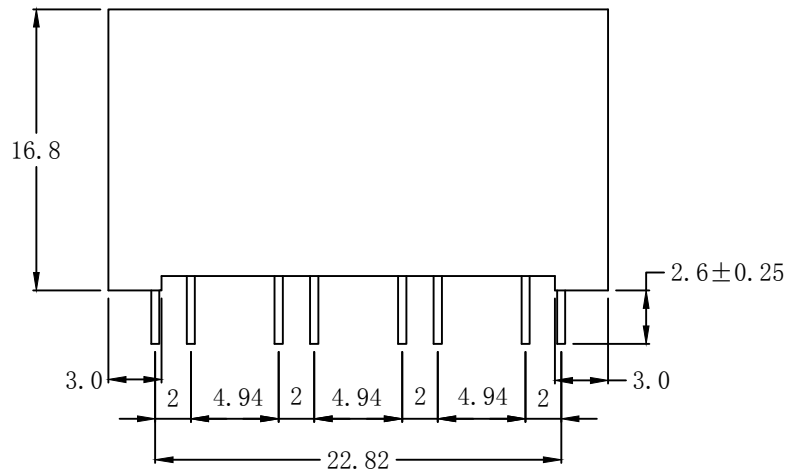
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	± 0.25	CHKD:	
X:XXX	± 0.05	DR: James	TITLE: 10G BASE-T QUAD PORT THROUGH-HOLE MAGNETICS FOR PoE+ APPLICATION
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LP99601PNL
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.: LP19091801

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2019/09/18	

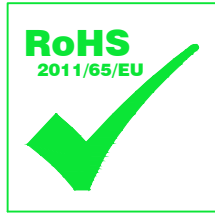


SUGGESTED PCB LAYOUT (TOP VIEW)



NOTES:

1. IEEE802.3bt compliant performance.
2. Designed for Ethernet 10G Base-T, Full Quad Port Applications.
3. PoE applications current capability: 720mA.
4. RoHS Compliant.
5. For RoHS part add suffix NL.
6. RoHS "NL" peak solder rating 250°C.
7. UL certification: file number E484635.



X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.25	CHKD:	
X:XXX	±0.05	DR: James	TITLE: 10G BASE-T QUAD PORT THROUGH-HOLE MAGNETICS FOR PoE+ APPLICATION
ANGLES	±1°	UNIT: mm	PART NO.: LP99601PNL
	SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.: LP19091801