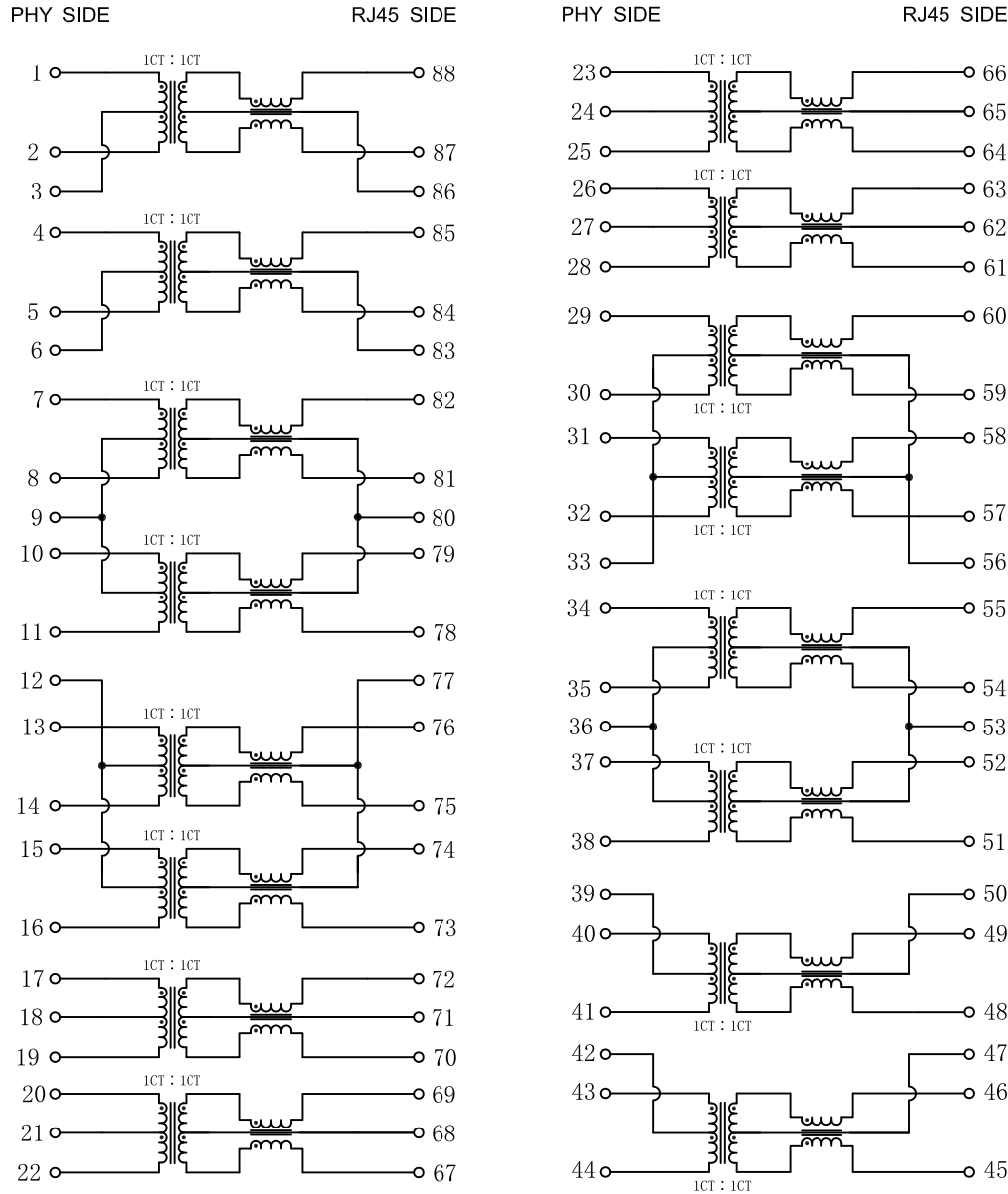


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018/12/11	



Electrical Specifications @25°C

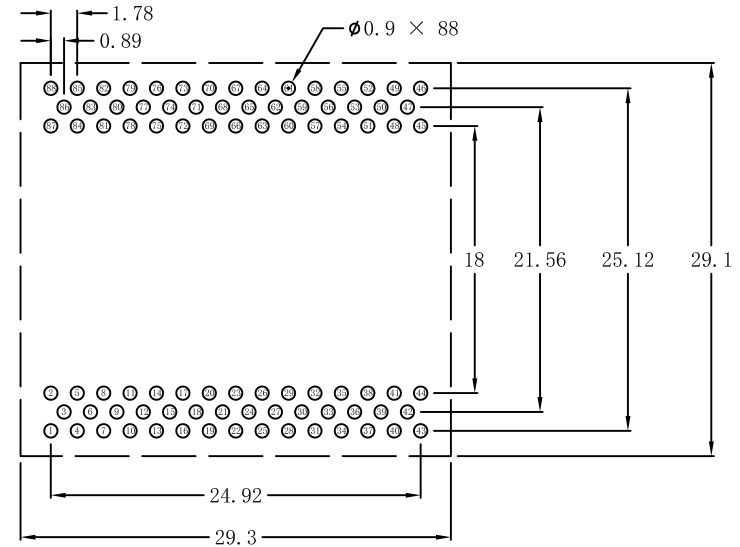
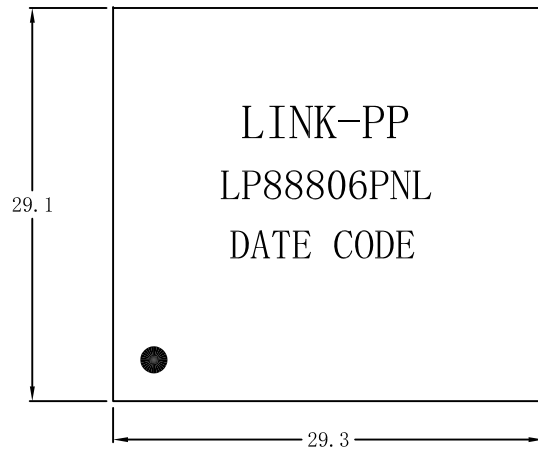
- Turns Ratio ($\pm 5\%$):
Pri:Sec = 1CT:1CT
- OCL (@100KHz, 100mV, 8mA, DC Bias):
350uH MIN
- Insertion Loss:
1~100MHz: -1.0dB MAX
- Return Loss (dB MIN):
1~30MHz: -18 30~60MHz: -16
60~80MHz: -12 80~100MHz: -10
- Crosstalk:
1~30MHz: -45dB MIN
30~60MHz: -35dB MIN
60~100MHz: -30dB MIN
- Common Mode Rejection:
1~30MHz: -40dB MIN
30~60MHz: -35dB MIN
60~100MHz: -30dB MIN
- Hipot: 1500Vrms (or 2250VDC), 60sec
- Operating Temperature: -40°C TO +85°C
- Ability to Support 850mA.



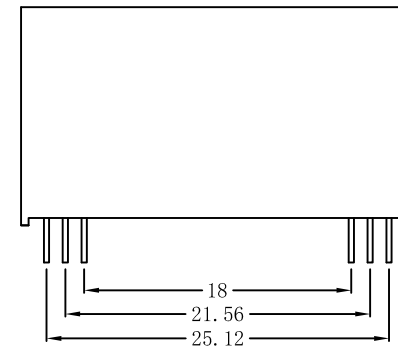
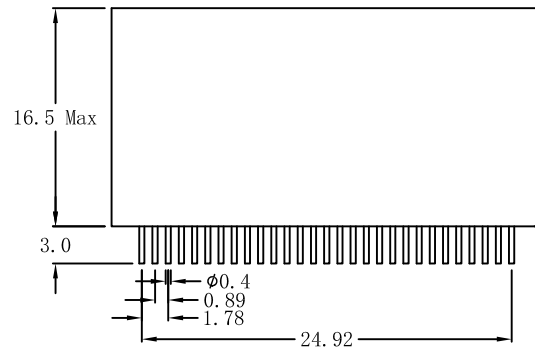
X:X	± 0.35	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	± 0.25	CHKD:	
X:XXX	± 0.15	DR: TOM	TITLE: 10/100/1000 BASE QUAD PORT DIP TRANSFORMER FOR PoE+ APPLICATION
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LP88806PNL
	SCALE: 2/1	SHEET: 1/2	REV: A DWG NO.: LP18121102

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018/12/11	



SUGGESTED PCB LAYOUT<TOP VIEW>



NOTES:

1. Compliant with IEEE 802.3at Standard.
2. 10/100/1000 Base Quad Port Dip Transformer
3. RoHS Compliant.
4. For RoHS part add suffix NL.
5. RoHS "NL" peak solder rating 260°C.
6. UL Certification: File Number E484635.

X:X	±0.35	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:	TITLE: 10/100/1000 BASE QUAD PORT DIP TRANSFORMER FOR PoE+ APPLICATION	
X:XXX	±0.15	DR: TOM	PART NO.: LP88806PNL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP18121102