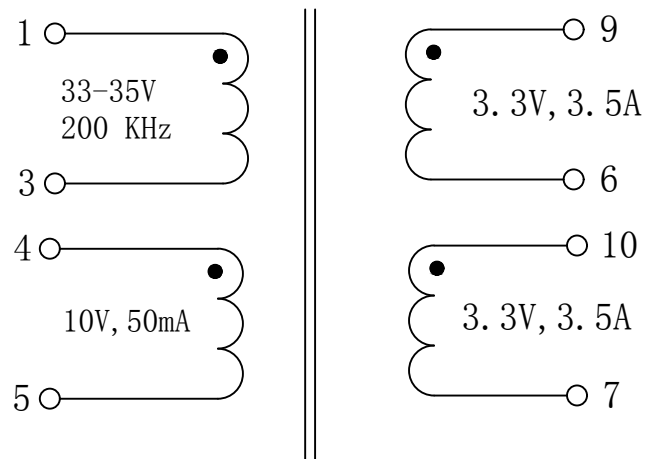


## Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2021-05-27 |      |



## Electrical Specifications @25°C

## 1. Turns Ratio:

PRI : SEC : AUX = 8 : 1 : 3

2. Inductance: 54  $\mu$  H  $\pm$ 10%3. Leakage Inductance: 0.67  $\mu$  H MAX. @100KHz/0.1V

## 4. DC Resistance:

PRI = 62m $\Omega$  MAXSEC = 65m $\Omega$  MAXAUX = 120m $\Omega$  MAX

## 5. Hipot:

Pri to Sec: 1500Vrms

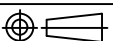
## 6. Power (W) : 23 Input: 33-57V

Output : 3.3V/3.5A\*2

## 7. Operating Temperature Range: -40°C ~ +85°C.

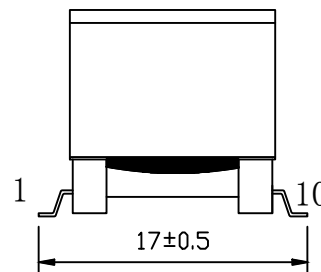
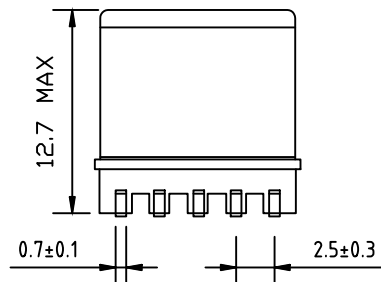
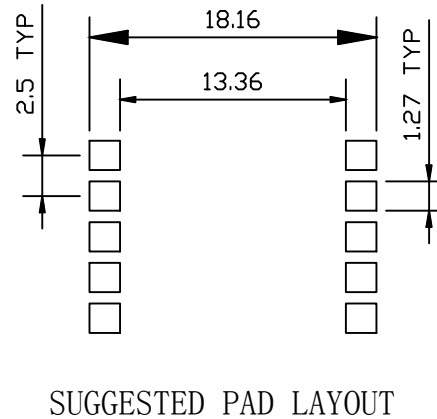
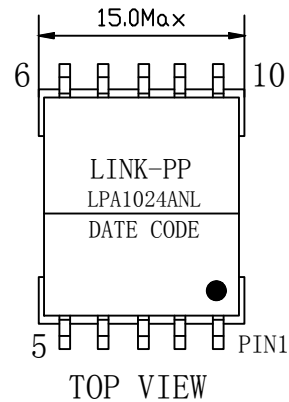
## 8. Storage Temperature -40°C ~ +125°C.



|                                                                                       |             |                                       |
|---------------------------------------------------------------------------------------|-------------|---------------------------------------|
| X:X                                                                                   | APPD: TOM   | LINK-PP INT'L TECHNOLOGY CO., LIMITED |
| X:XX $\pm$ 0.25                                                                       | CHKD: JAMES |                                       |
| X:XXX                                                                                 | DR: LEO     | TITLE: Transformer                    |
| ANGLES $\pm$ 1°                                                                       | UNIT: mm    | PART NO.: LPA1024ANL                  |
|  | SCALE: 2/1  | SHEET: 1/2                            |
|                                                                                       | REV: A      | DWG: LP21052716                       |

# Mechanical:

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2021-05-27 |      |



## NOTES:

1. Flyback DC/DC transformer for POE applications
2. Meets IEEE 802.3af (POE) Standards
3. Operates in condition mode with 33V-57V input.
4. Assembly must be RoHS compliant.
5. Maximun reflow temperature is 250°C, 5 Sec.
6. UL certification: file number E484635.



|            |             |                                       |        |                 |
|------------|-------------|---------------------------------------|--------|-----------------|
| X:X        | APPD: TOM   | LINK-PP INT'L TECHNOLOGY CO., LIMITED |        |                 |
| X:XX ±0.25 | CHKD: JAMES | TITLE: Transformer                    |        |                 |
| X:XXX      | DR: LEO     | PART NO.: LPA1024ANL                  |        |                 |
| ANGLES ±1° | UNIT: mm    |                                       |        |                 |
|            | SCALE: 2/1  | SHEET: 1/2                            | REV: A | DWG: LP21052716 |