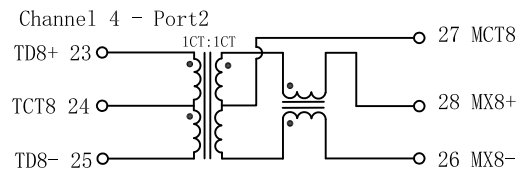
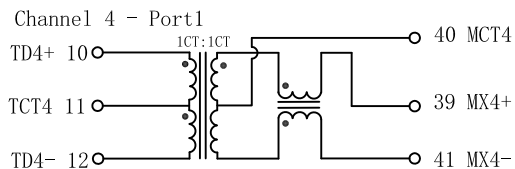
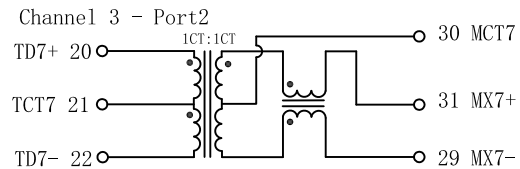
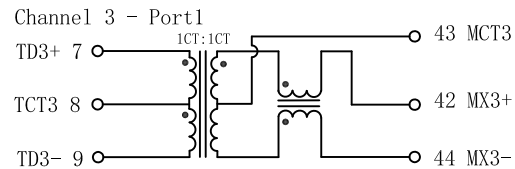
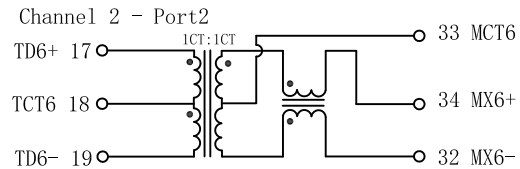
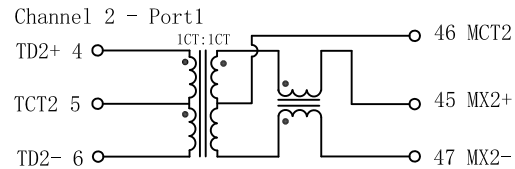
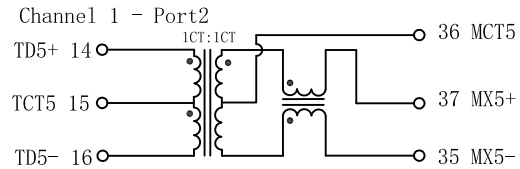
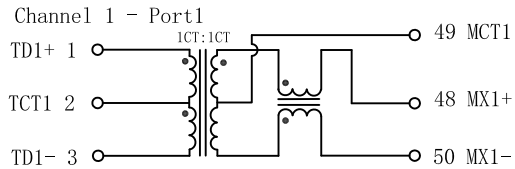


Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 2018/11/08 | |



Electrical Specification @25°C

1. Turns Ratio:

Pri:Sec = 1CT:1CT

2. OCL: 350uH Min

@100KHz, 100mV 8mADC Bias.

3. Insertion Loss:

1-100MHz:-1.1dB max

4. Return Loss(dB min):

1-40MHz:-18 60MHz:-14
80MHz;-12 100MHz:-10

5. Crosstalk(dB min):

30MHz:-40 60MHz:-35
100MHz:-28

6. CMRR(dB min):

1-100MHz:-40

7. Isolation Voltage: 1500Vrms min

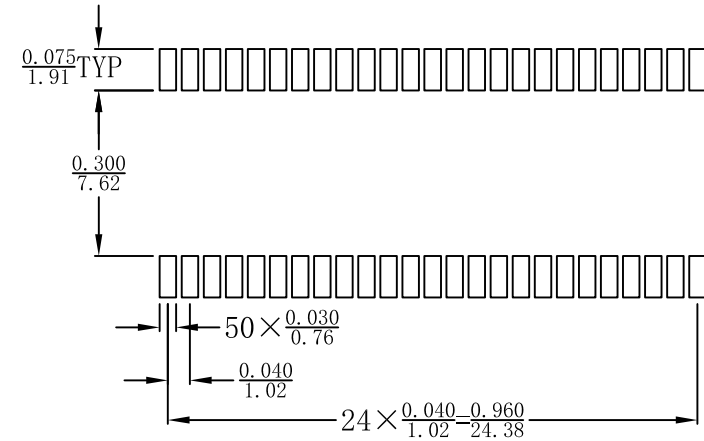
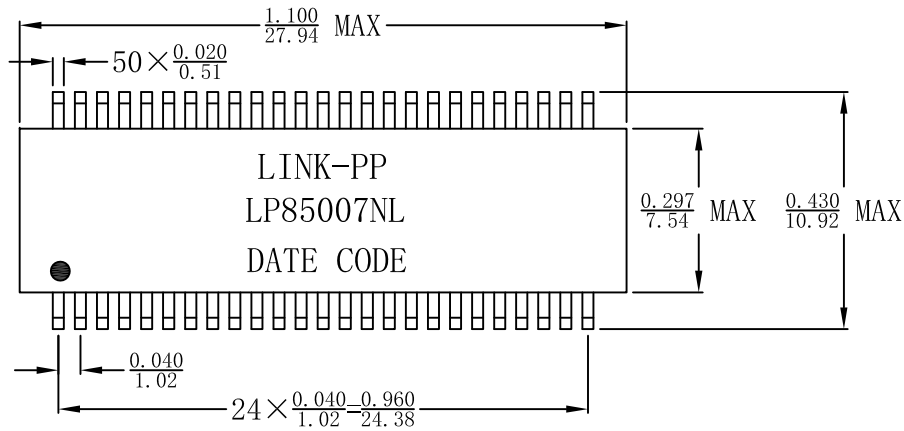
8. Operating Temperature: 0°C ~+70°C.



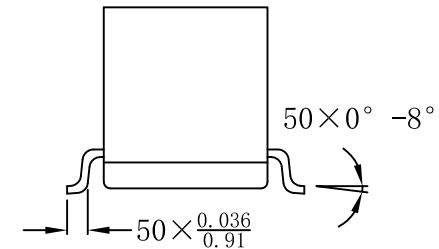
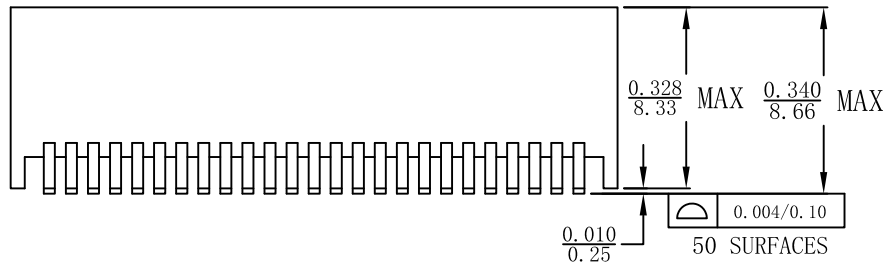
| | | | | |
|------------|-----------------|---------------------------------------|--------|---------------------|
| X:X | APPD: | LINK-PP INT'L TECHNOLOGY CO., LIMITED | | |
| X:XX ±0.25 | CHKD: | TITLE: 1000Base-T Magnetic Modules | | |
| X:XXX | DR: TOM | PART NO.: LP85007NL | | |
| ANGLES ±1° | UNIT: Inches/mm | | | |
| | SCALE: 2/1 | SHEET: 1/2 | REV: A | DWG NO.: LP18110802 |

Mechanical:

| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 2018/11/08 | |



SUGGESTED PAD LAYOUT



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification.
3. Maximum reflow temperature is 250°C, 5 Sec.
4. UL certification: file number E484635.



| | | | | |
|------------|-----------------|---------------------------------------|--------|---------------------|
| X:X | APPD: | LINK-PP INT'L TECHNOLOGY CO., LIMITED | | |
| X:XX ±0.25 | CHKD: | TITLE: 1000Base-T Magnetic Modules | | |
| X:XXX | DR: TOM | PART NO.: LP85007NL | | |
| ANGLES ±1° | UNIT: Inches/mm | | | |
| | SCALE: 2/1 | SHEET: 2/2 | REV: A | DWG NO.: LP18110802 |