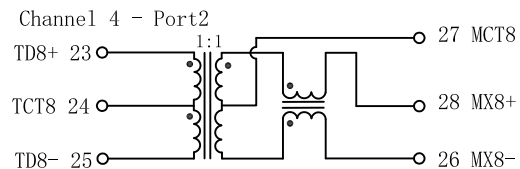
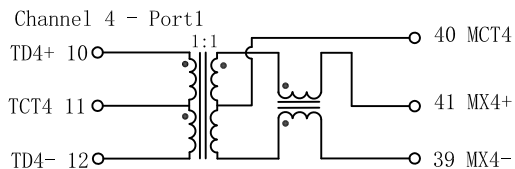
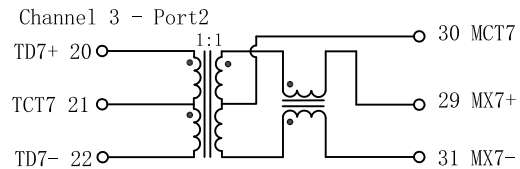
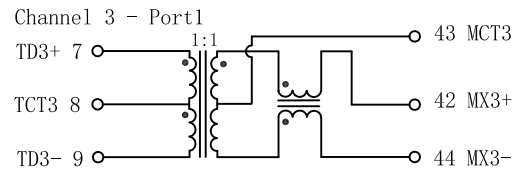
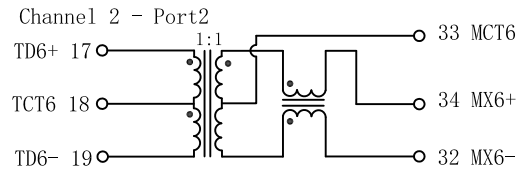
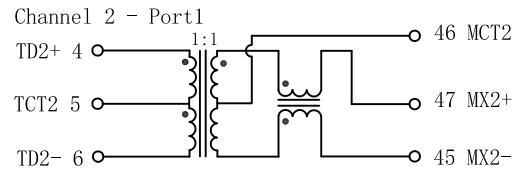
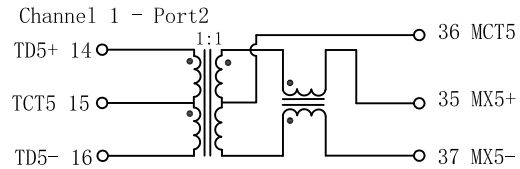
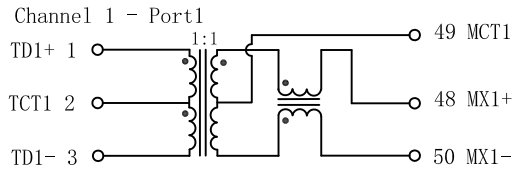


Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 28/07/2007 | |



Electrical Specification @25°C

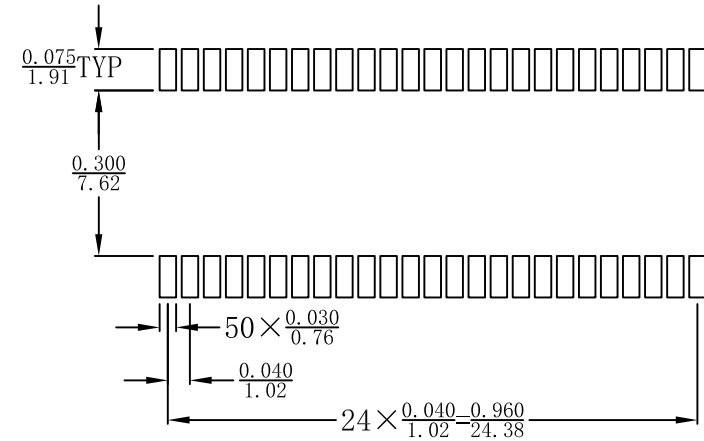
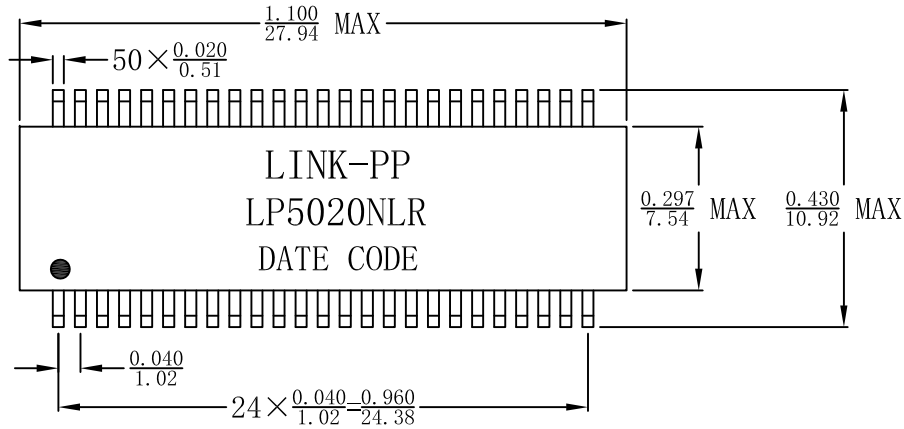
- Turn Ratio:
Pri:Sec = 1CT:1CT
- OCL:350uH Min
@100KHz, 100mV, 8mAdc Bias.
- Insertion Loss:
1-100MHz:-1.0dB Max
- Return Loss(dB Min):
1-30MHz:-18 40MHz:-14.4
50MHz:-13.1 60-80MHz:-12
100MHz:-10
- Crosstalk(dB Min):
30MHz:-40 60MHz:-33
100MHz:-28
- DCMR(dB Min):
30MHz:-40 60MHz:-35
100MHz:-30
- Isolation Voltage: 1500V Min
- Operating Temperature: 0°C~70°C.



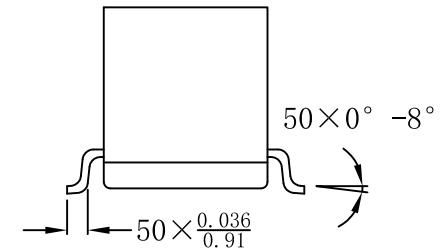
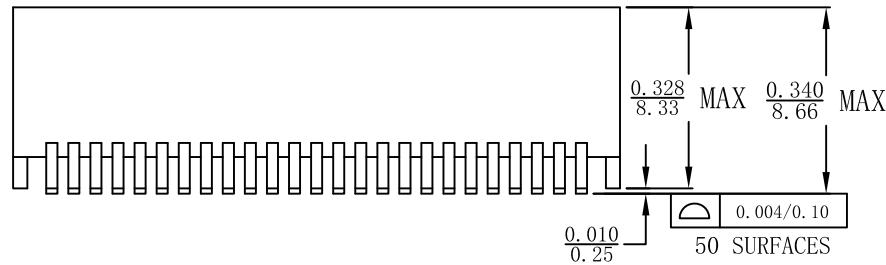
| | | | | |
|--------|------------|-----------------|---------------------------------------|----------|
| X:X | ±0.30 | APPD: | LINK-PP INT'L TECHNOLOGY CO., LIMITED | |
| X:XX | ±0.25 | CHKD: | TITLE: 1000Base-T Magnetic Modules | |
| X:XXX | ±0.05 | DR: TOM | PART NO.: LP5020NLR | |
| ANGLES | ±1° | UNIT: Inches/mm | | |
| | SCALE: 2/1 | SHEET: 1/2 | REV: A | DWG NO.: |

Mechanical:

| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 28/07/2007 | |



SUGGESTED PAD LAYOUT



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. With various Turns Ratios.
3. Maximun reflow temperature is 250°C, 5 Sec.
4. UL Certification: File Number E484635.

| | | | | |
|--------|------------|-----------------|---------------------------------------|----------|
| X:X | ±0.30 | APPD: | LINK-PP INT'L TECHNOLOGY CO., LIMITED | |
| X:XX | ±0.25 | CHKD: | TITLE: 1000Base-T Magnetic Modules | |
| X:XXX | ±0.05 | DR: TOM | PART NO.: LP5020NLR | |
| ANGLES | ±1° | UNIT: Inches/mm | | |
| | SCALE: 2/1 | SHEET: 2/2 | REV: A | DWG NO.: |