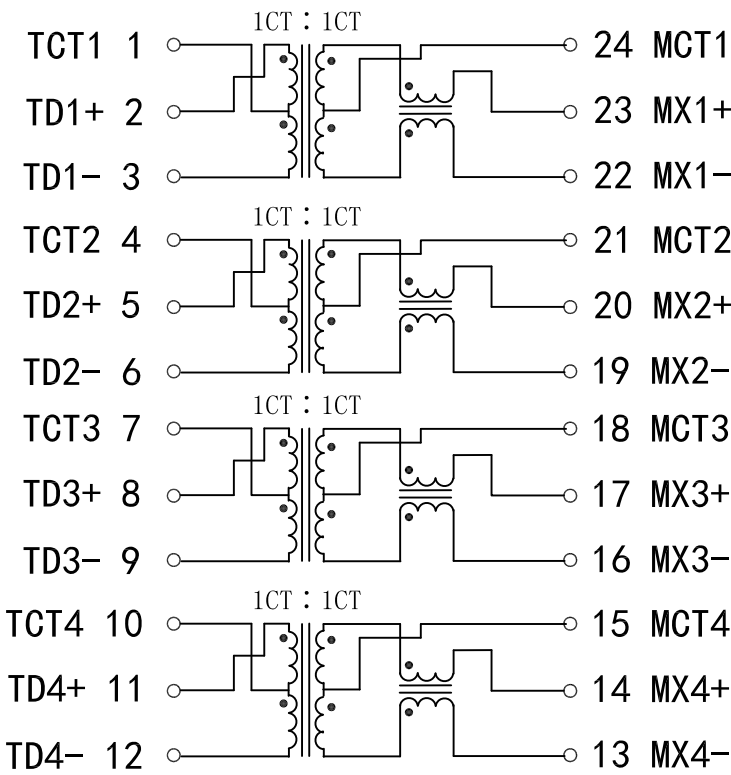


Schematic:



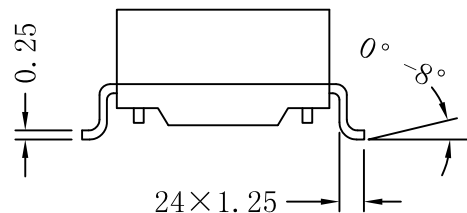
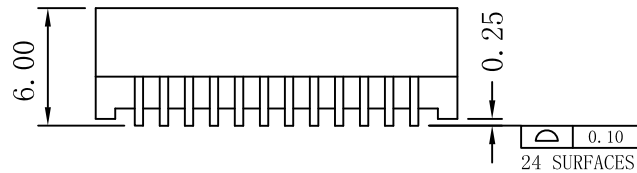
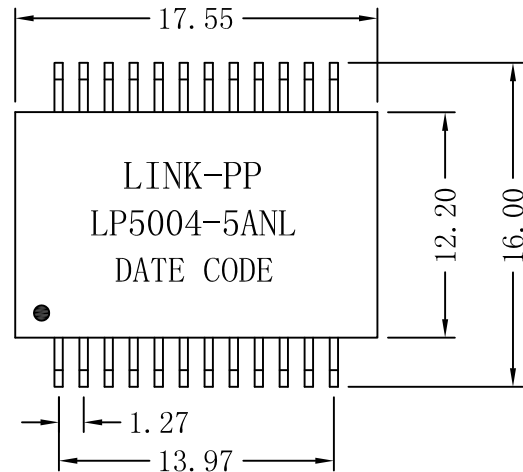
Electrical Specifications @25℃

- Turns Ratio($\pm 2\%$):
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:-45 60MHz:-40
100MHz:-35
- CMRR(dB Min):
30MHz:-43 60MHz:-37
100MHz:-33
- Hipot: 5000VAC 2Sec 1mA.
- Operating temperature range: -40℃~+85℃.
Storage temperature range: -40℃~+125℃.

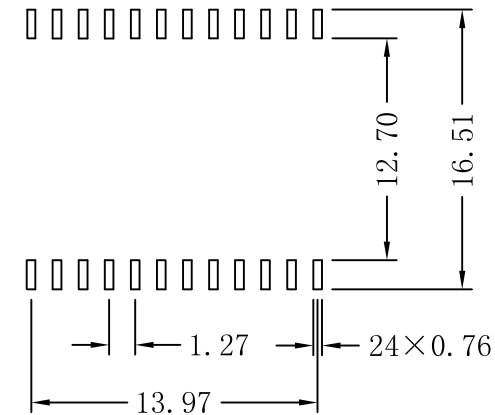


X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ±0.25	CHKD:	TITLE: 1000 Base-T Magnetic Modules	
X:XXX	DR: TOM	PART NO.: LP5004-5ANL	
ANGLES ±1°	UNIT: mm	DWG NO.: LP10080430	
	SCALE: 2/1	SHEET: 1/2	REV: A

Mechanical:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/08/04	



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. Maximun reflow temperature is 250°C, 5 Sec.
4. UL certification: file number E484635.

Dimensions: mm

Unless otherwise specified, all tolerances are ± 0.25

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25	CHKD:	TITLE: 1000 Base-T Magnetic Modules		
X:XXX	DR: TOM	PART NO.: LP5004-5ANL		
ANGLES $\pm 1^\circ$	UNIT: mm	DWG NO.: LP10080430		
	SCALE: 2/1	SHEET: 2/2	REV: A	