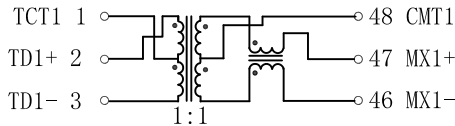


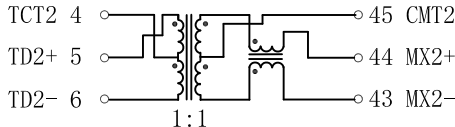
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/06/30	

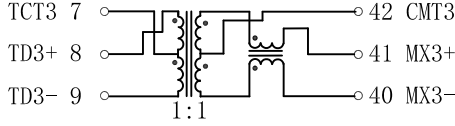
Channel 1 - Port 1



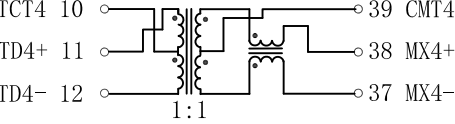
Channel 2 - Port 1



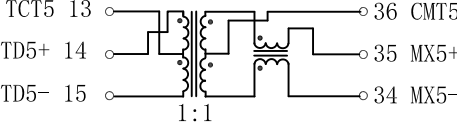
Channel 3 - Port 1



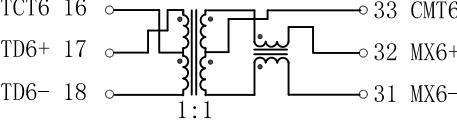
Channel 4 - Port 1



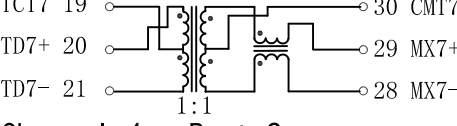
Channel 1 - Port 2



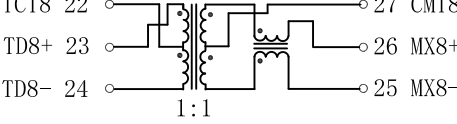
Channel 2 - Port 2



Channel 3 - Port 2



Channel 4 - Port 2



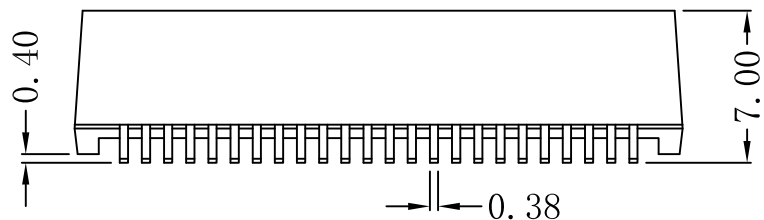
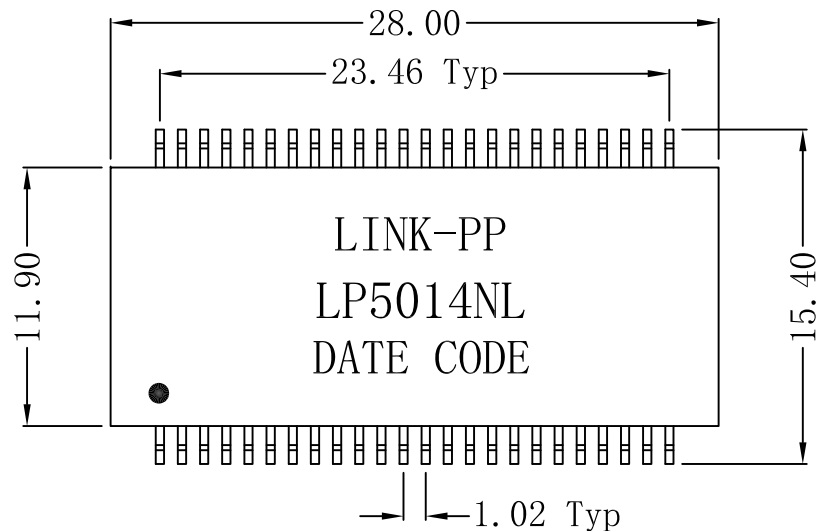
Electrical Specification @25°C

1. Turns Ratio: 1CT : 1CT
2. OCL: 350uH Min
@100KHz, 100mV, 8mADC Bias
3. Insertion Loss:
1-100MHz: -1.1dB Max
4. Return Loss (dB Min):
1-30MHz: -16 40MHz: -14.4
50MHz: -13.1 60-80MHz: -12
100MHz: -10
5. Crosstalk (dB Min):
30MHz: -43.5 60MHz: -37.5
100MHz: -33
6. DCMR (dB Min):
30MHz: -45 60MHz: -40
100MHz: -35
7. Hipot: 1500Vrms Min
8. Operating Temperature: -40°C ~ +85°C.



X: X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X: XX ±0.25	CHKD:	TITLE: 1000Base-T Magnetic Modules For PoE Application		
X: XXX	DR: TOM			
ANGLES ±1°	UNIT: mm	PART NO.: LP5014NL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP10063001

Mechanical:

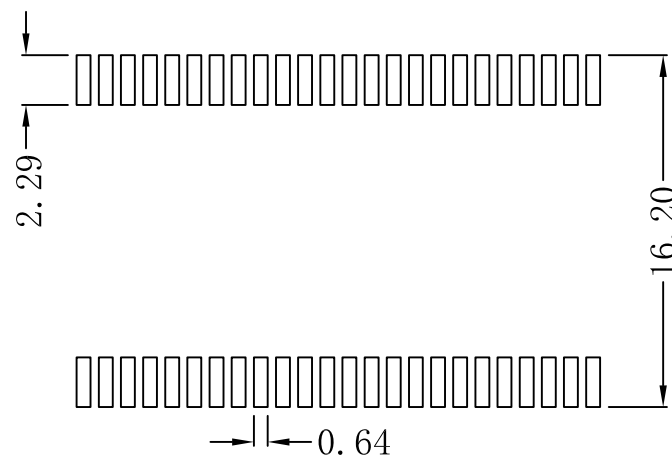


NOTES:

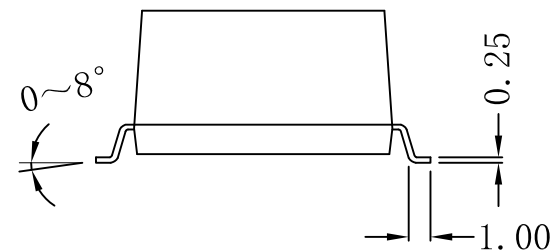
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Plastic: Thermoset plastic material with flammability rating UL 94V-0 or better.
3. 350mA current capability.
4. With various Turns Ratios.
5. Maximum reflow temperature is 250°C, 5 Sec.
6. UL Certification: File Number E484635.



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/06/30	



SUGGESTED PAD LAYOUT



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:			
X:XXX	DR: TOM	TITLE: 1000Base-T Magnetic Modules For PoE Application		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: LP5014NL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10063001