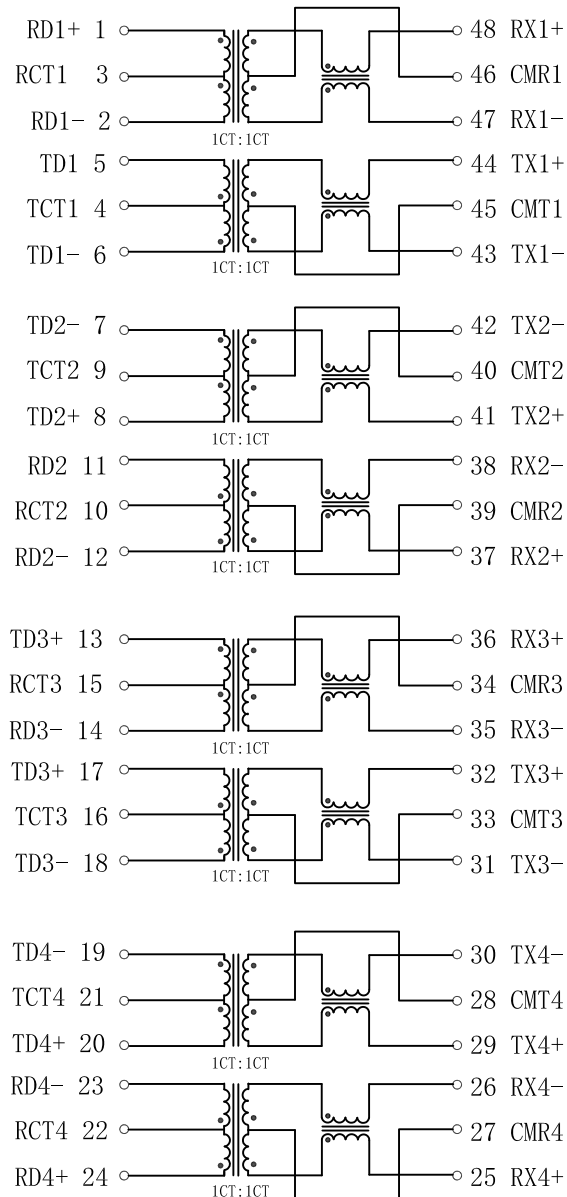


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-25	



ELECTRICAL SPECIFICATIONS @25°C

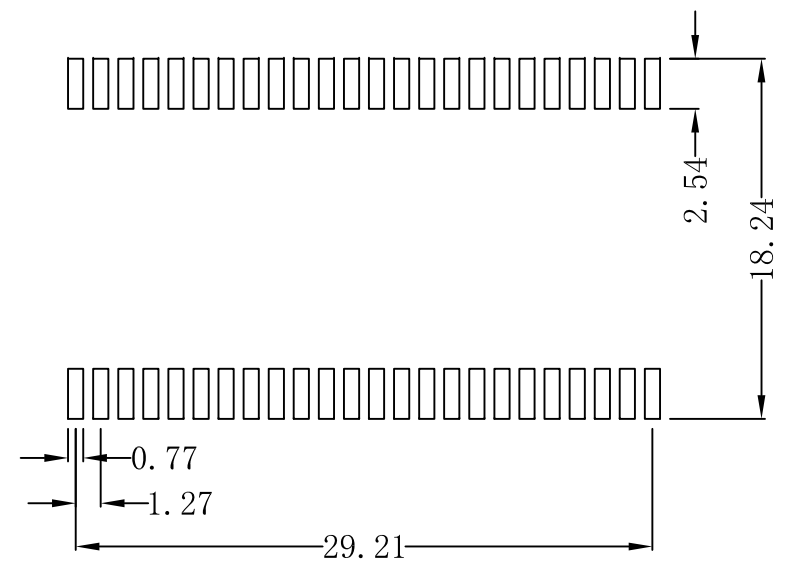
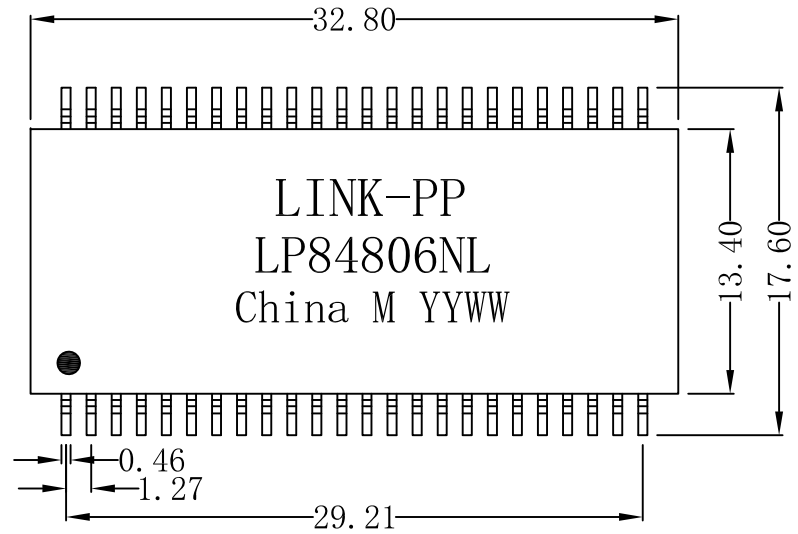
- Turn Ratio ($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @ 100KHz 0.1V 8mA DC Bias
- Insertion Loss:
-1.1dB MAX @ 1-100MHz
- Return Loss:
-16dB MIN @ 1-30MHz
-12dB MIN @ 30-60MHz
-10dB MIN @ 60-100MHz
- Cross talk:
-45dB MIN @ 1-30MHz
-40dB MIN @ 30-60MHz
-35dB MIN @ 60-100MHz
- Common Mode Rejection:
-45dB MIN @ 30MHz
-40dB MIN @ 60MHz
-35dB MIN @ 100MHz
- Balanced DC Line current:
720mA MAX @ 48VDC Continuous.
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0°C TO 70°C



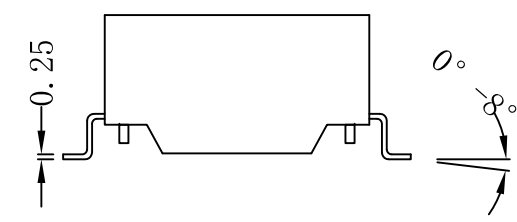
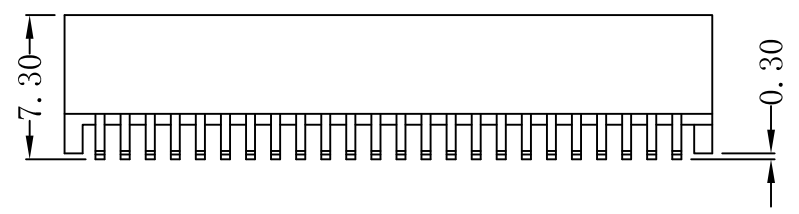
X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED.		
X:XX ± 0.25	CHKD:	TITLE: 10/100/1000 Base-T Dual Port Magnetic Modules For PoE+ Application		
X:XXX	DR: TOM	PART NO. : LP84806NL		
ANGLES $\pm 1^\circ$	UNIT: mm			
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP13050915

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-25	



SUGGESTED PAD LAYOUT



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3at 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: 10/100/1000 Base-T Dual Port Magnetic Modules For PoE+ Application		
X:XXX	DR: TOM	PART NO.: LP84806NL		
ANGLES ±1°	UNIT: mm			
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP13050915