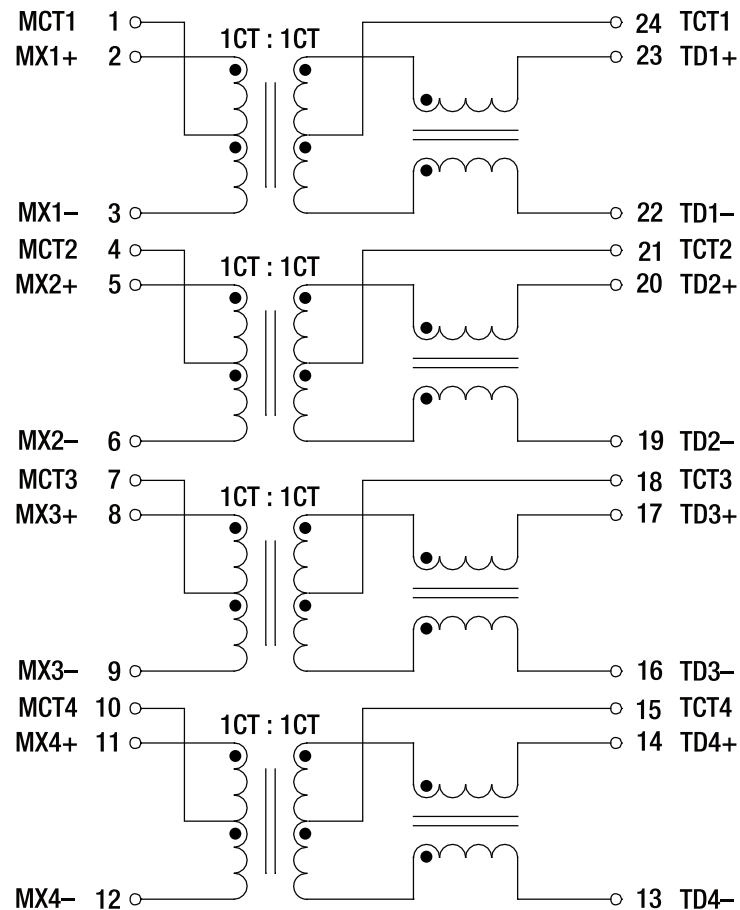


# Schematic:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
E	REL		2015-10-22	

## Electrical Specifications @25°C

- Turns Ratio:  
1CT : 1CT  $\pm 2\%$
- OCL: 350uH Min  
@100KHz, 100mV, 8mADC Bias
- Insertion Loss:  
0. 3-100MHz: -1.1dB MAX
- Return Loss (dB MIN @100Ω):  

1-30MHz: -16	40MHz: -16
50MHz: -14.1	60MHz: -12.5
80MHz: -10	
- Crosstalk (dB MIN):  

30MHz: -35.8	60MHz: -30.8
100MHz: -28.0	
- CMR (dB MIN):  

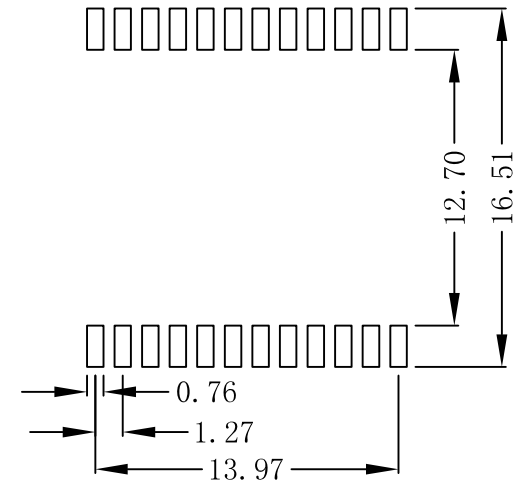
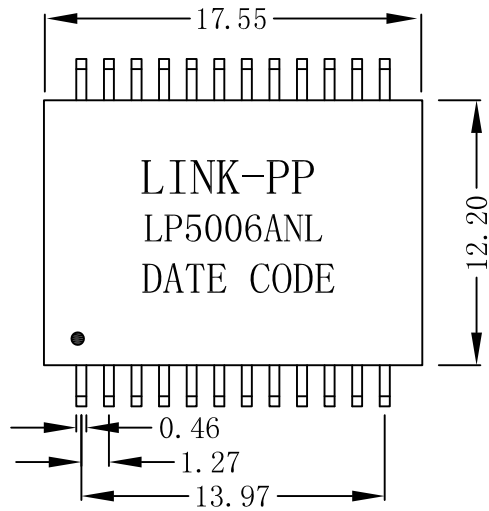
0. 3-30MHz: -40	60MHz: -35
80-100MHz: -30	
- 720mA Current Capability--It is suitable for IEEE802.3at
- Hipot: 1500Vrms
- Operating Temperature: -40°C ~ +85°C.



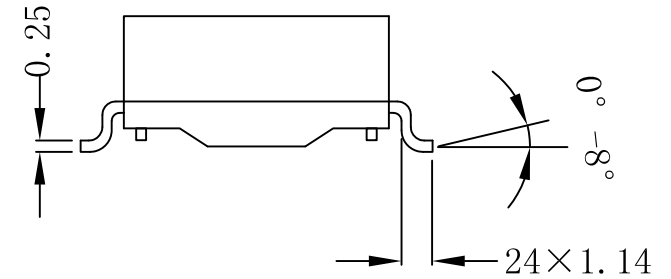
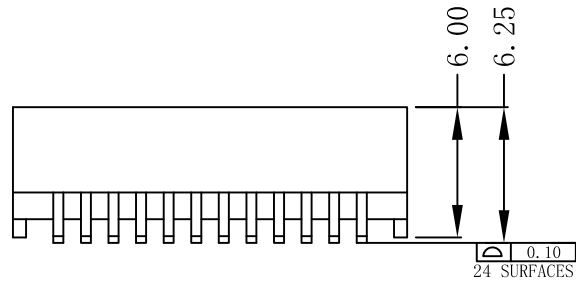
X:X ±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ±0.20	CHKD:	TITLE:	
X:XXX ±0.10	DR: TOM	10/100/1000Base-T Magnetic For PoE+ Application	
ANGLES ±1°	UNIT: mm	PART NO.: LP5006ANL	
	SCALE: 2/1	SHEET: 1/2	REV: E DWG NO.: LP15102201

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
E	REL		2015-10-22	



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	±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.20	CHKD:	
X:XXX	±0.10	DR: TOM	
ANGLES	±1°	UNIT: mm	TITLE: 10/100/1000Base-T Magnetic For PoE+ Application
			PART NO.: LP5006ANL
		SCALE: 2/1	SHEET: 2/2
		REV: E	DWG NO.: LP15102201