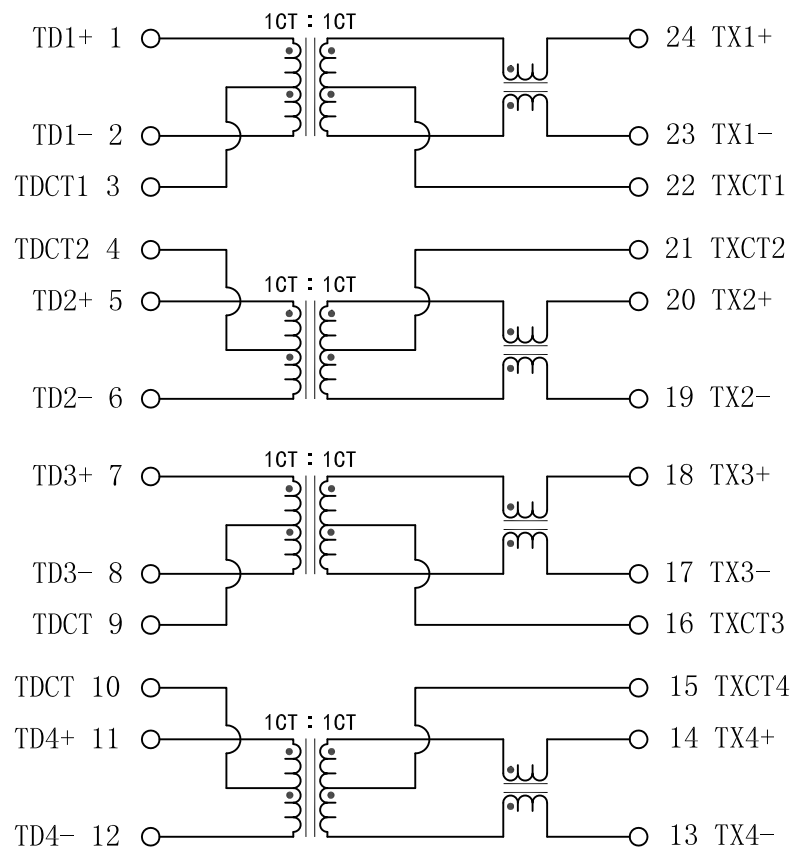



# Schematic:



## Electrical Specification @25°C

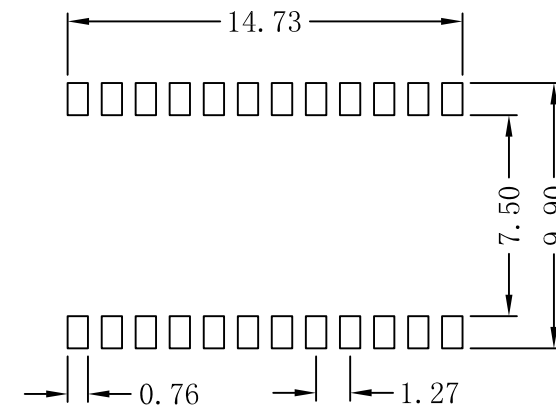
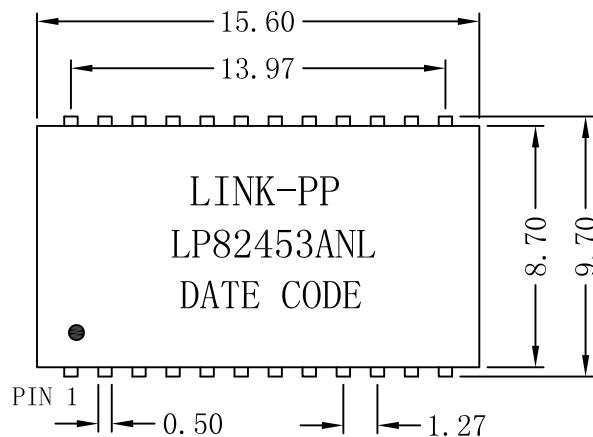
- Turns Ratio ( $\pm 3\%$ ):  
Pri : Sec = 1CT : 1CT
- 0CL:  
350uH MIN @100KHz, 100mVDC.
- Insertion Loss:  
0.3-100MHz: -1.0dB MAX
- Return Loss (dB MIN):  
0.3-30MHz: -18      40MHz: -15.5  
50MHz: -13.5      60-80MHz: -10
- Cross Talk (dB MIN):  
0.3-100MHz: -38
- DCMR (dB MIN):  
30MHz: -43      60MHz: -37  
100MHz: -33
- Hipot: 1500Vrms
- Operating Temperature: -40°C ~ +85°C.



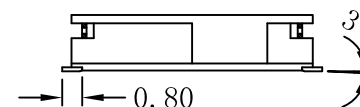
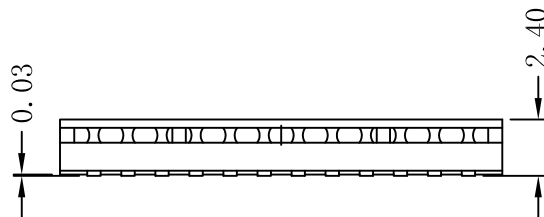
X:X		APPD:		LINK-PP INT'L TECHNOLOGY CO., LIMITED			
X:XX ±0.25		CHKD:					
X:XXX		DR: TOM		TITLE: 10/100/1000Base-T Single Port Transformer Module			
ANGLES ±1°		UNIT: mm		PART NO. : LP82453NL			
		SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP13022615		

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/02/26	



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. Primary inductance 350uH Min.
4. Maximun reflow temperature is 250°C, 5 Sec.
5. UL Certification: File Number E484635.

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.25	CHKD:	
X:XXX	DR: TOM	TITLE: 10/100/1000Base-T Single Port Transformer Module
ANGLES ±1°	UNIT: mm	PART NO.: LP82453NL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP13022615