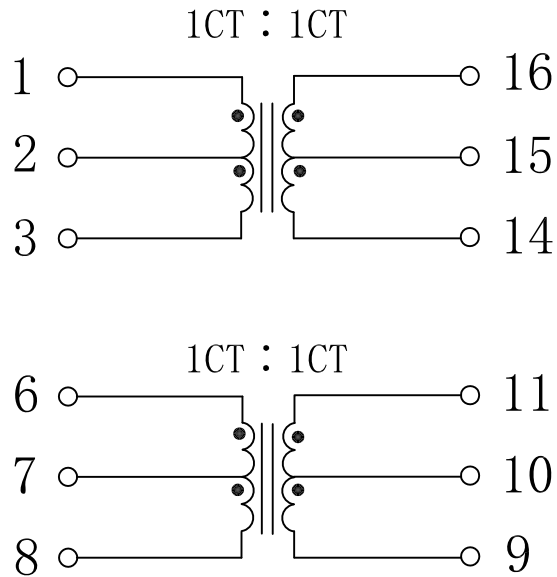


# Schematic:

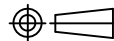
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		19/01/2010	



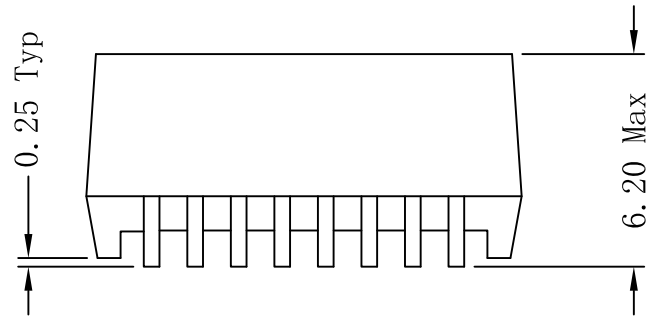
## Electrical Specifications @25°C

- Turns Ratio:  
TX=1CT : 1CT      RX=1CT : 1CT
- 0CL: 350uH Min  
@100KHz, 100mV, 8mADC Bias
- Insertion Loss:  
1-100MHz:-1.2dB Max
- Return Loss:  
1-30MHz:-16dB Min  
40MHz:-14dB Min  
50MHz:-13dB Min  
60-80MHz:-12dB Min
- Crosstalk:  
30MHz:-45dB Min  
60MHz:-40dB Min  
100MHz:-35dB Min
- Differential to Common Mode Rejection:  
30MHz:-43dB Min  
60MHz:-37dB Min  
100Mhz:-33dB Min
- Isolation Voltage: 1500Vrms
- Operating Temperature: 0°C~70°C.

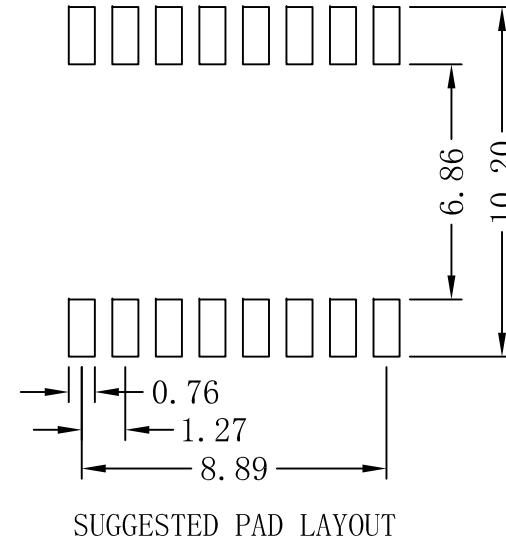
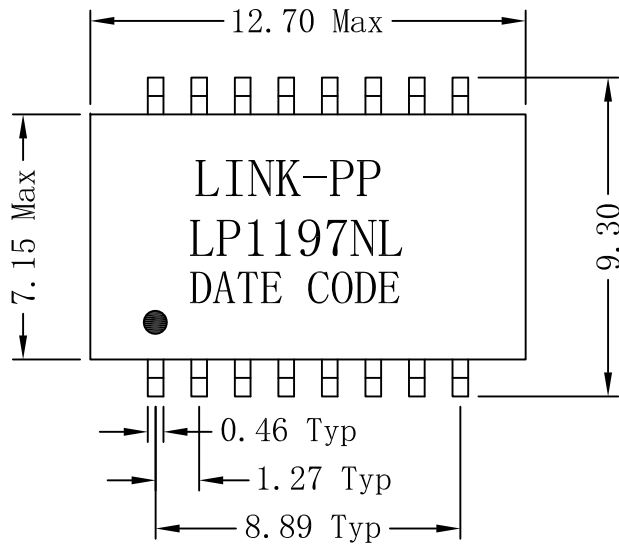
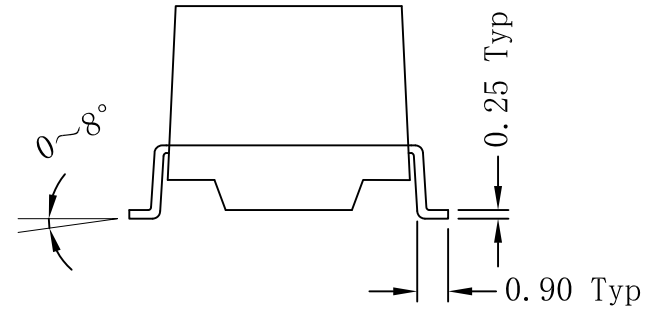


X:X	APPD:	LINK-PP INT' L TECHNOLOGY CO., LIMITED	
X:XX ±0.25	CHKD:	TITLE: 10/100 Base-TX VoIP Magnetics Modules For PoE Application	
X:XXX	DR: TOM	PART NO. : LP1197NL	
ANGLES ±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A    DWG NO. : LP10011910

# Mechanical:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		19/01/2010	



## NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. With various Turns Ratios.
3. Maximum reflow temperature is 250°C, 5 Sec.
4. UL Certification: File Number E484635.



Dimensions: mm

Unless otherwise specified, all tolerances are  $\pm 0.25$

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	$\pm 0.25$	CHKD:	TITLE: 10/100 Base-TX VoIP Magnetics Modules For PoE Application	
X:XXX		DR: TOM	PART NO.: LP1197NL	
ANGLES	$\pm 1^\circ$	UNIT: mm		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10011910