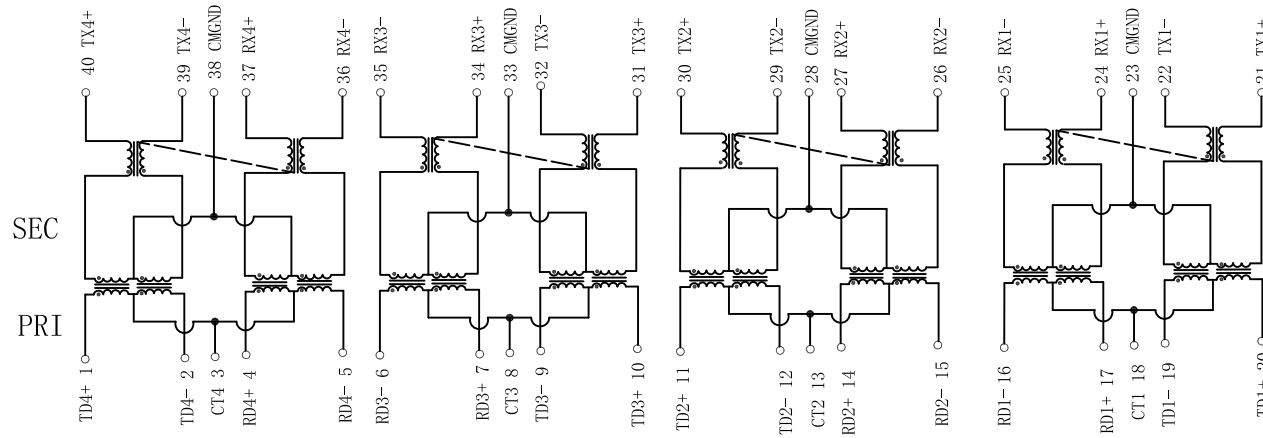


# Schematic :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/11/03	



## Electrical Specifications @25°C

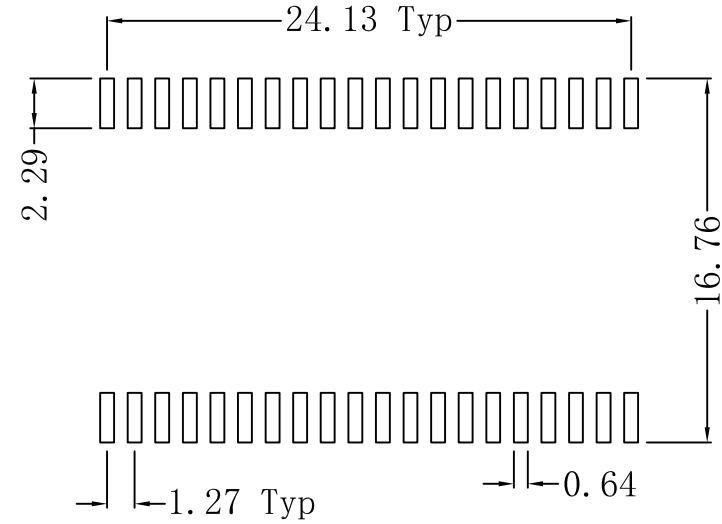
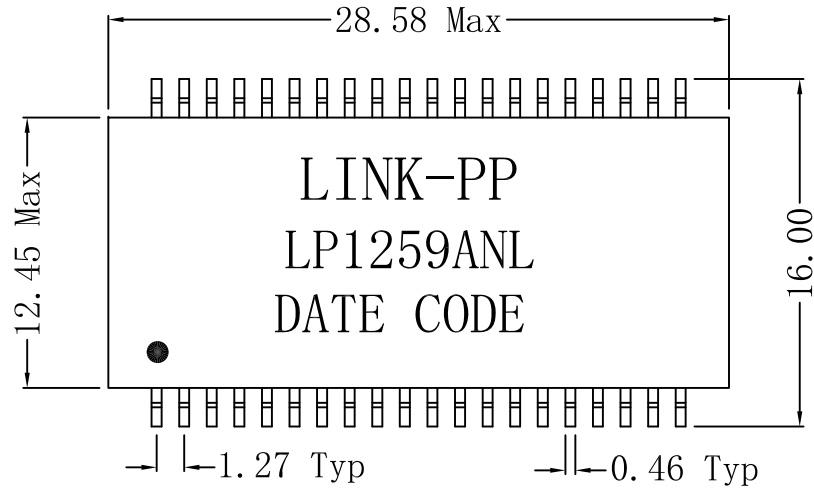
- Turns ratio(pri:sec):  
1CT : 1CT  $\pm 2\%$
- OCL: 350uH MIN  
@100KHz, 100mV, 8mADC Bias.
- Insertion Loss:  
0.1MHz: -1.2dB MAX  
100MHz: -1.4dB MAX
- Return Loss(dB MIN @100Ω  $\pm 15\%$ ):  
30MHz: -16                      60MHz: -10  
80MHz: -10
- Crosstalk(dB MIN):  
30MHz: -45                      60MHz: -40  
100MHz: -33
- Hipot: 1500Vrms MIN
- Operating Temperature: -40°C ~ +85°C.



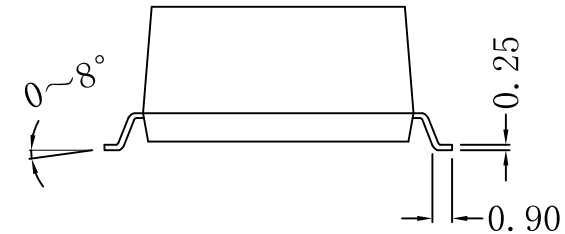
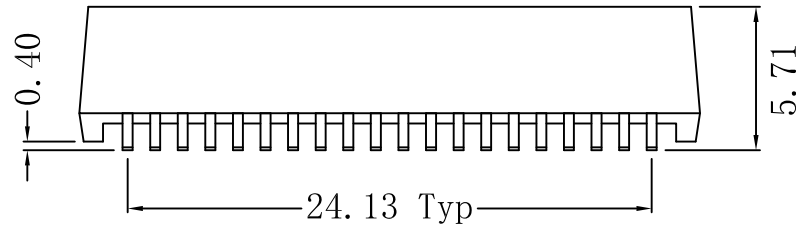
X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:	TITLE: 10/100Base-TX Quad Port Transformer Modules		
X:XXX	DR: TOM	PART NO.: LP1259ANL		
ANGLES ±1°	UNIT: mm			
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP10110330

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/11/03	



SUGGESTED PAD LAYOUT



Dimensions: mm  
Unless otherwise specified, all tolerances are  $\pm 0.25$

## NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. With various Turns Ratios.
3. 350uH min OCL with 8mA bias current.
4. Maximum reflow temperature is 25°C, 5 Sec.
5. UL Certification: File Number E484635.



X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	$\pm 0.25$	CHKD:	TITLE: 10/100Base-TX Quad Port Transformer Modules	
X:XXX		DR: TOM	PART NO.: LP1259ANL	
ANGLES	$\pm 1^\circ$	UNIT: mm		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10110330