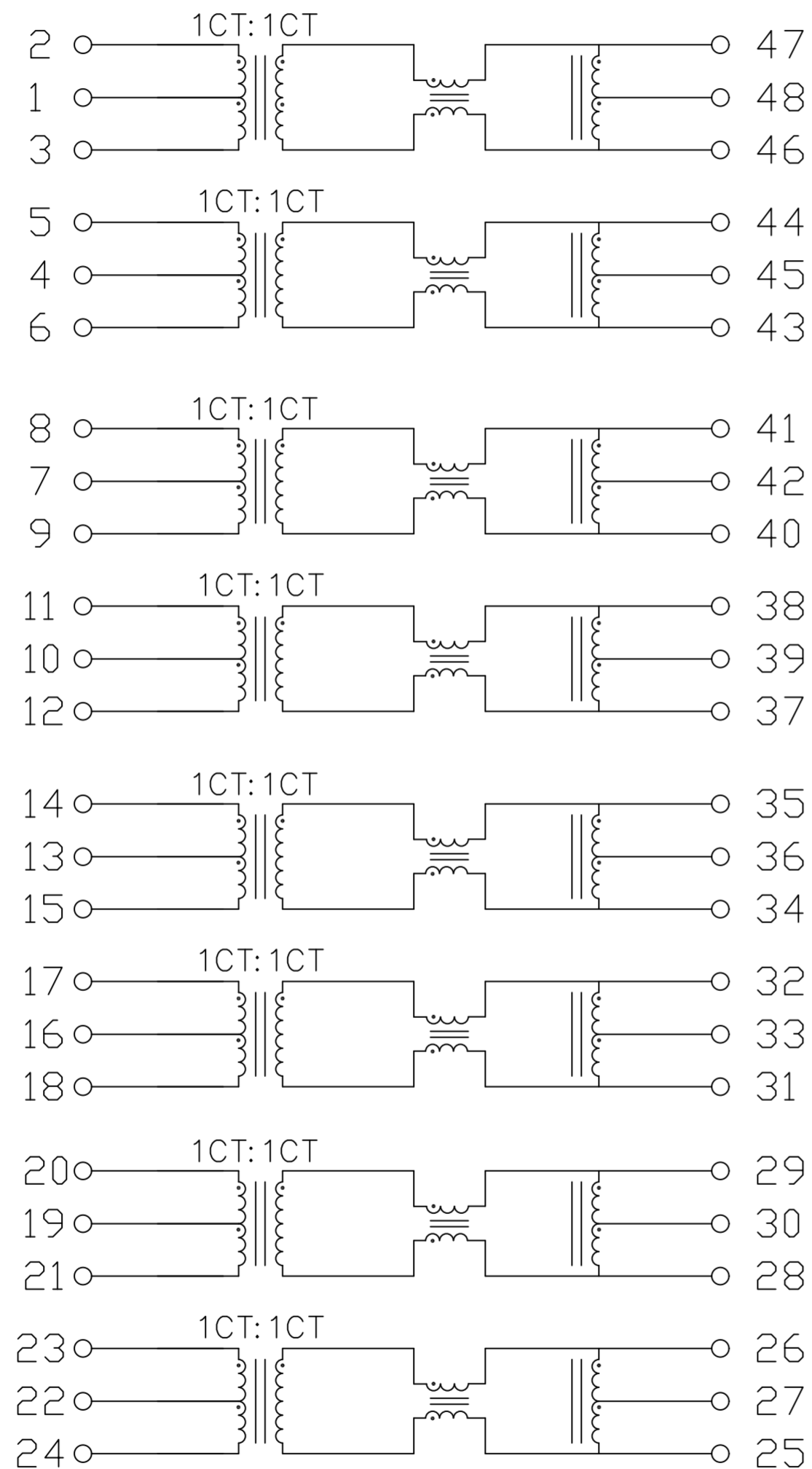


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2020-10-14	



## Electrical Specification @25°C

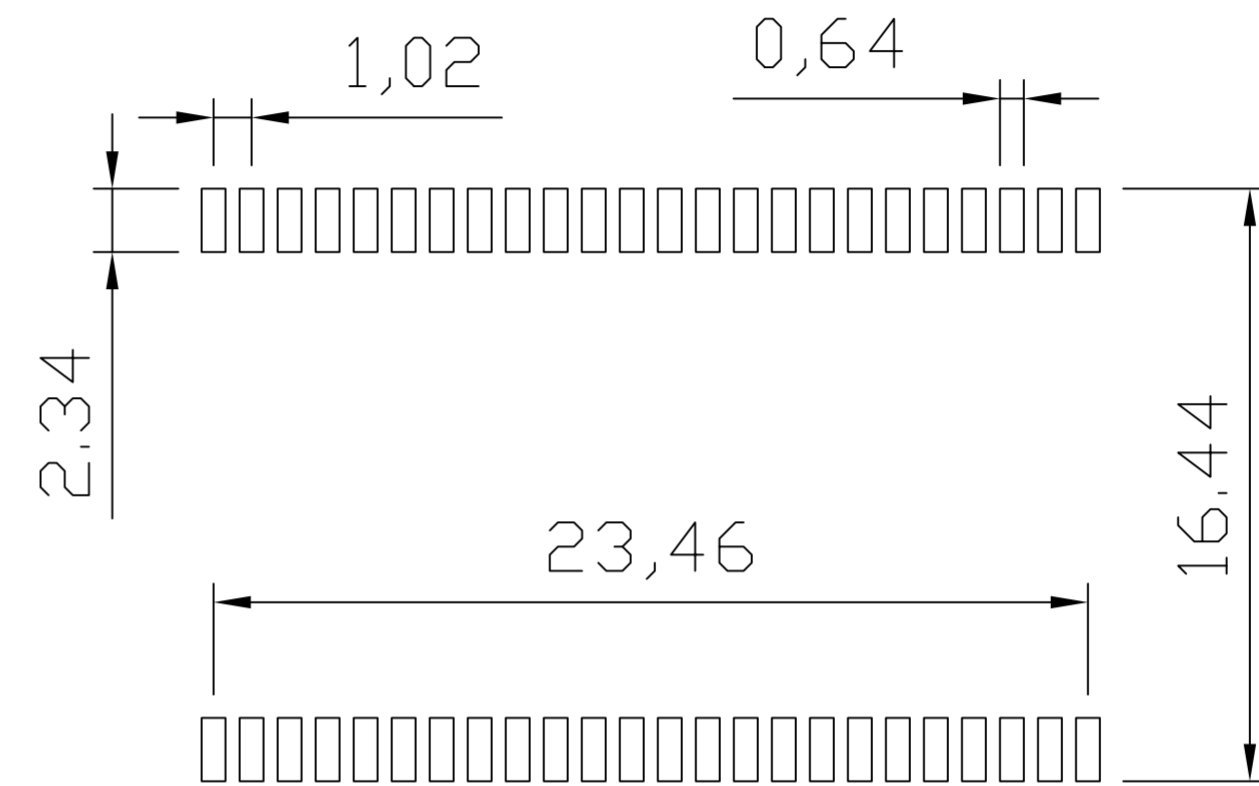
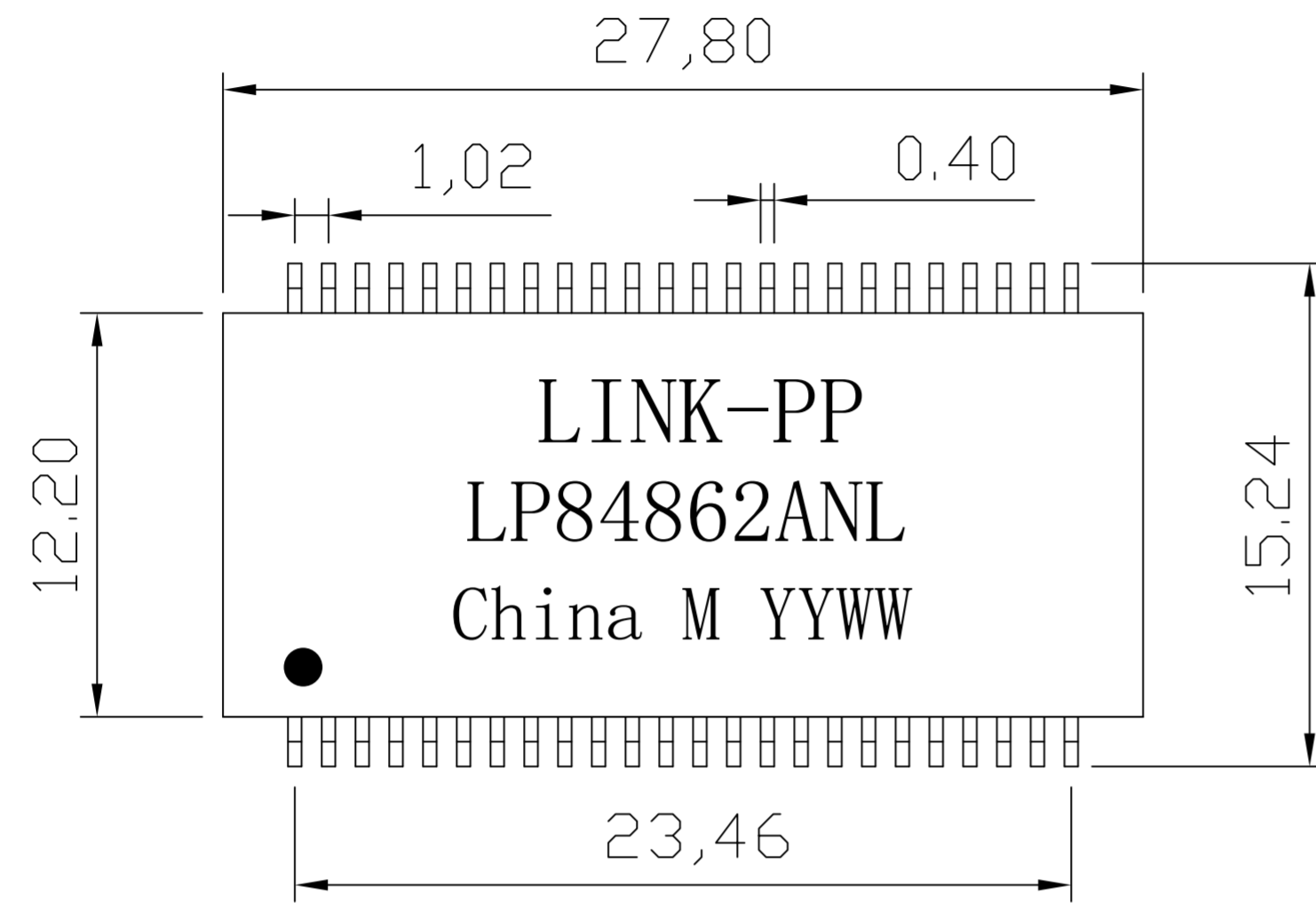
- Turns Ratio:  
Pri : Sec = 1CT : 1CT
- OCL: 350uH Min  
@100KHz, 0.1V, 8mA DC Bias.
- Leakage Inductance:  
0.5 uH Max. @100KHz, 0.1V
- Cw/w: 35pF Typ. @100KHz, 0.1V
- DCR: 1.2 Ω Max
- Insertion Loss:  
0.5-100MHz: -1.5dB Max
- Return Loss (dB Min):  
0.5-40MHz: -18  
40-100MHz: -12+20\*Log(f/80)
- Crosstalk (dB Min):  
0.5-40MHz: -35  
40.1-100MHz: -33+20\*Log(f/50)
- CMRR (dB Min):  
0.5-100MHz: -30
- Hipot: 1500VAC 1mA 60S.
- Operating Temperature: -40°C ~ +85°C.  
Storage temperature -40°C ~ +85°C



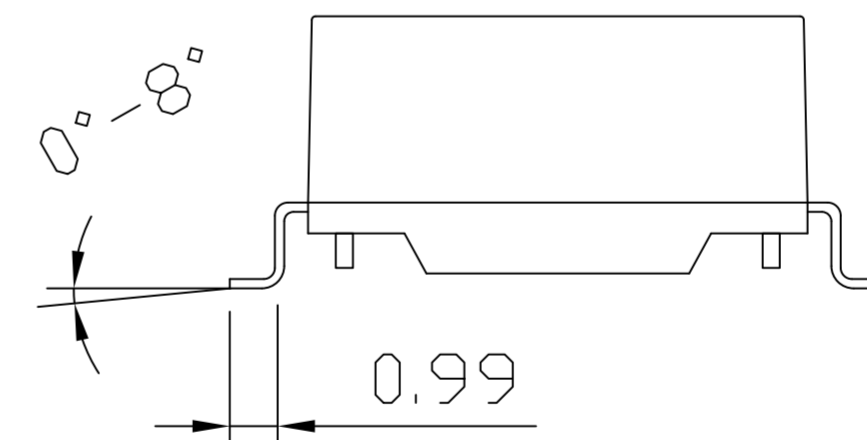
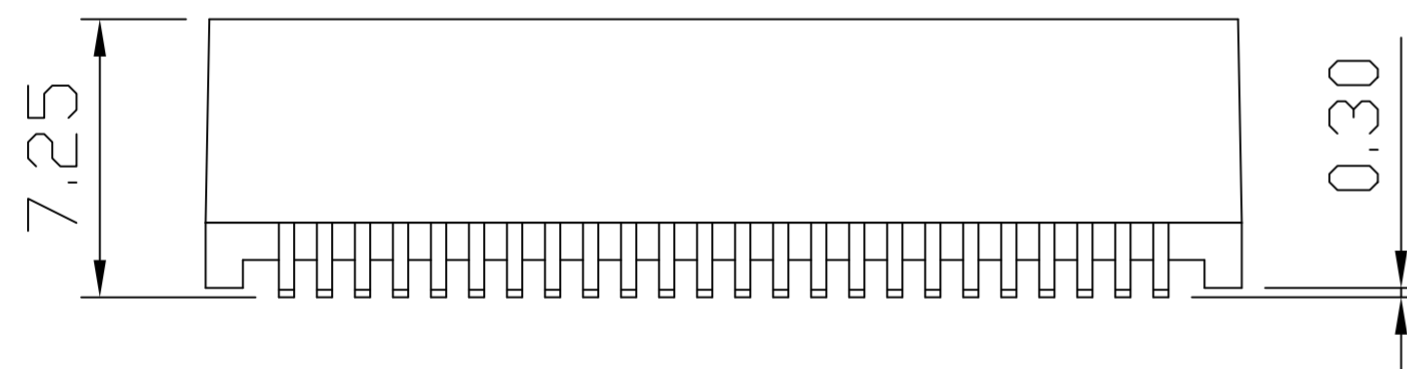
X:X	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.25	CHKD: JAMES	
X:XXX	DR: LEO	TITLE: 100/1000 Base-T Dual Port Magnetic Modules
ANGLES ±1°	UNIT: mm	PART NO.: LP84862ANL
	SCALE: 2/1	SHEET: 1/2
	REV: A	DWG NO.: LP20101421

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2020-10-14	



SUGGESTED PAD LAYOUT



NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification.
3. Maximun reflow temperature is 250°C, 5 Sec.
4. UL certification: file number E484635.



X:X	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.25	CHKD: JAMES	
X:XXX	DR: LEO	TITLE: 100/1000 Base-T Dual Port Magnetic Modules
ANGLES ±1°	UNIT: mm	PART NO.: LP84862ANL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP20101421