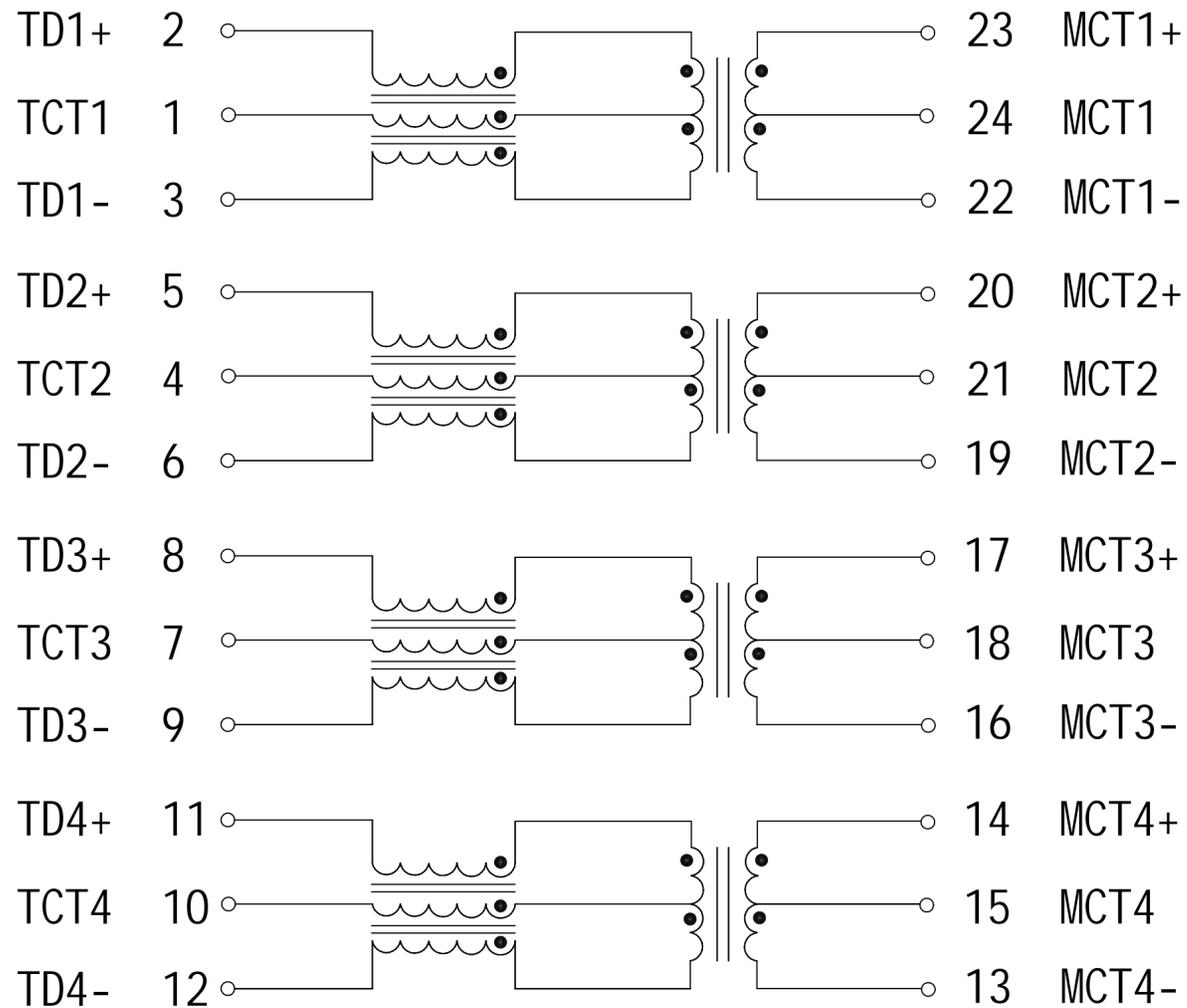


Schematic:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2026-02-26	

Electrical Specification @25°C

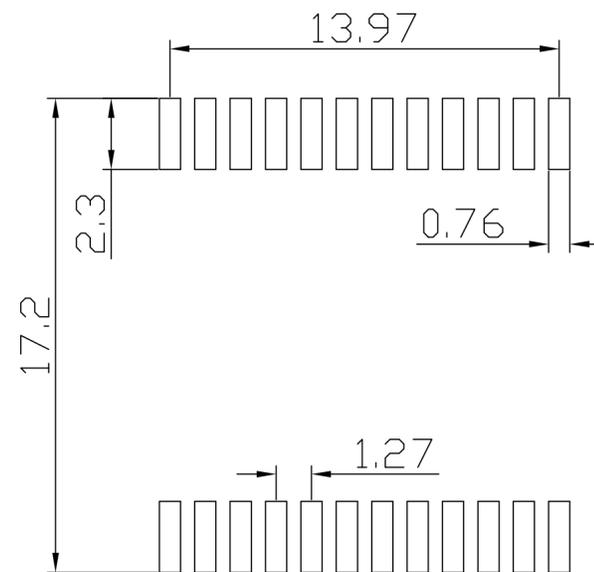
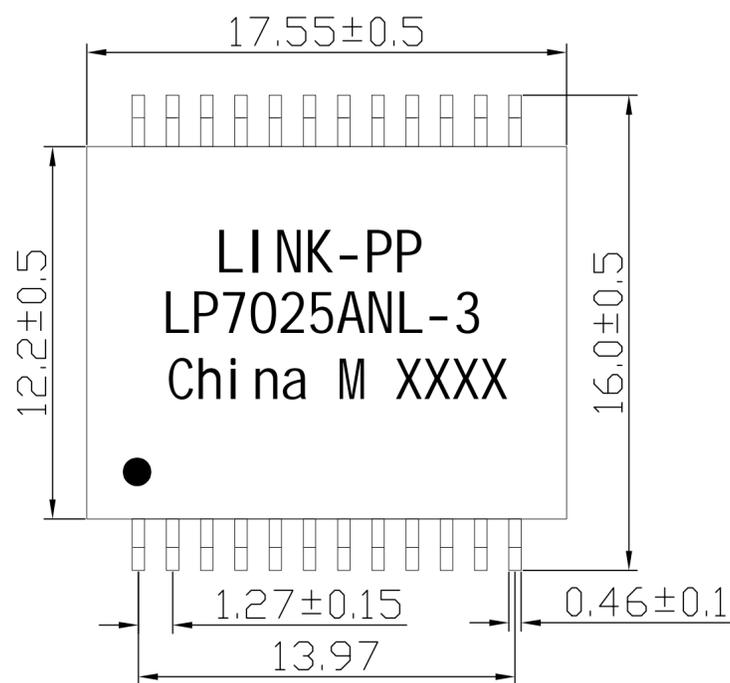
- Turns Ratio: 1CT : 1CT ±5%
- Inductance(OCL):
150uH Min @100KHz, 0.1Vrms, 9mA DC Bias
- DCR: 1.0 Ω Max
- Cww: 25pF Max @100KHz, 0.1Vrms
- Insertion Loss:
1-50MHz: -0.5dB Max 50-125MHz: -1.2dB Max
- Return Loss (@Load 100 Ω):
1-40MHz: -18dB Min
40-125MHz: -18+15*log₁₀(f/40)dB Min
- Crosstalk:
1-125MHz: -30dB Min
- Common Mode Rejection Ratio:
1-125MHz: -25dB Min
- DC Current/Voltage Rating:
600mA MAX (per Centre Tap) @57V Continuous
60W MAX OVER 4 PAIRS @50V
- Hipot: 3000Vac 1mA 60S
- Operating Temperature: -40°C ~+85°C.

X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	2.5G BASE-T TRANSFORMER MODULES FOR POE++ APPLICATION	
ANGLES	±1°	UNIT: mm	PART NO.:	LP7025ANL-3
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP26022613

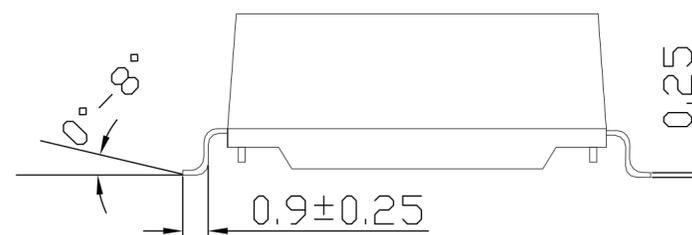
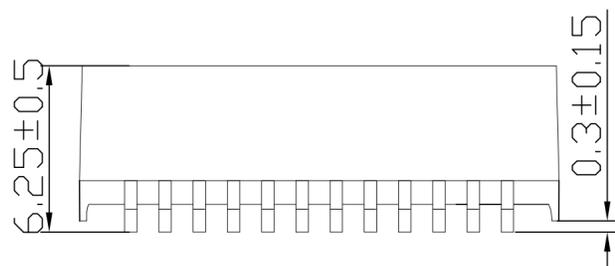


Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2026-02-26	



SUGGESTED PAD LAYOUT



NOTES:

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



X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X.XX	±0.25	CHKD: JAMES	TITLE:
X.XXX	±0.15	DR: LEO	2.5G BASE-T TRANSFORMER MODULES FOR POE++ APPLICATION
ANGLES	±1°	UNIT: mm	PART NO.: LP7025ANL-3
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP26022613