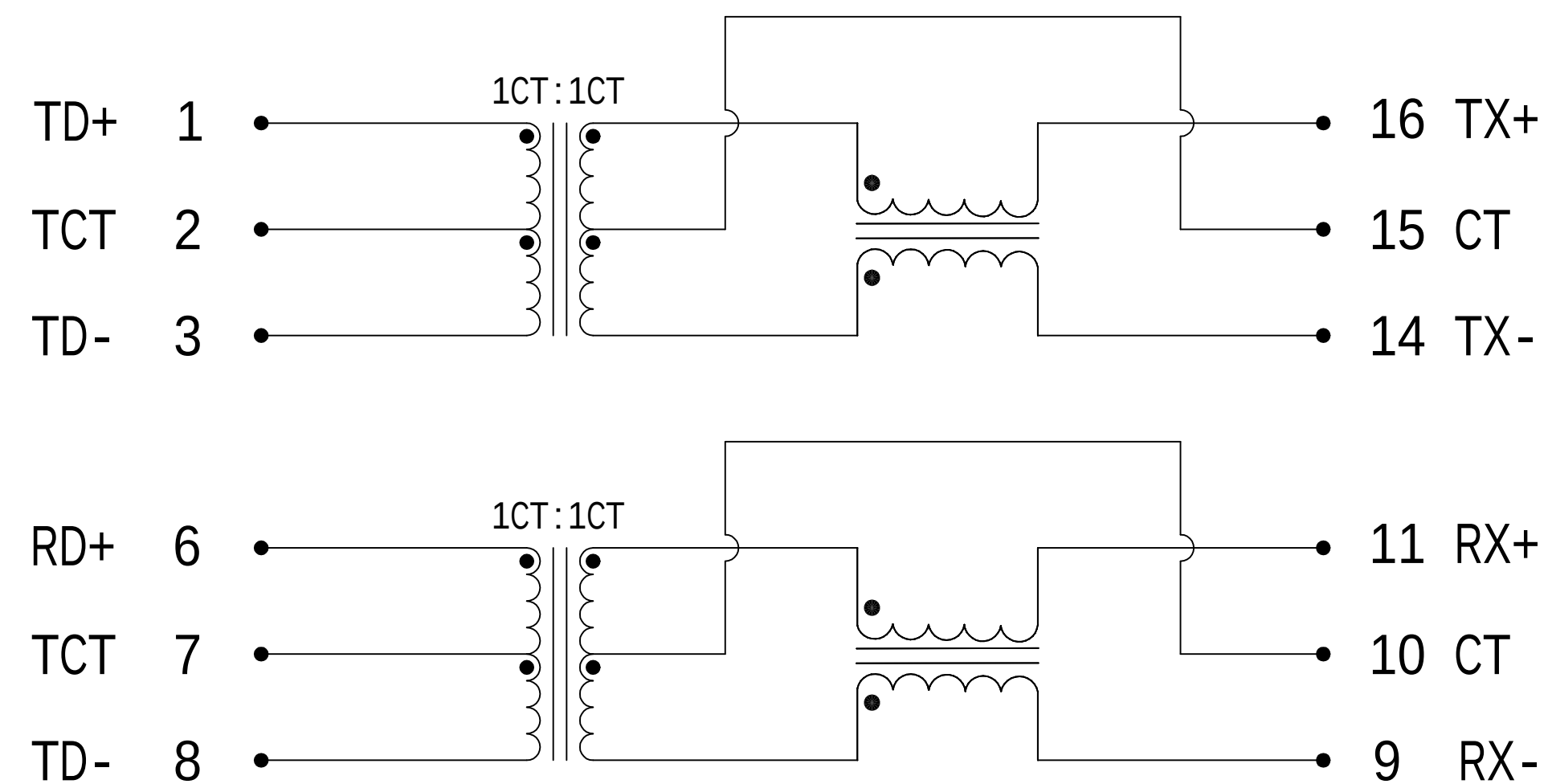


Schematic:



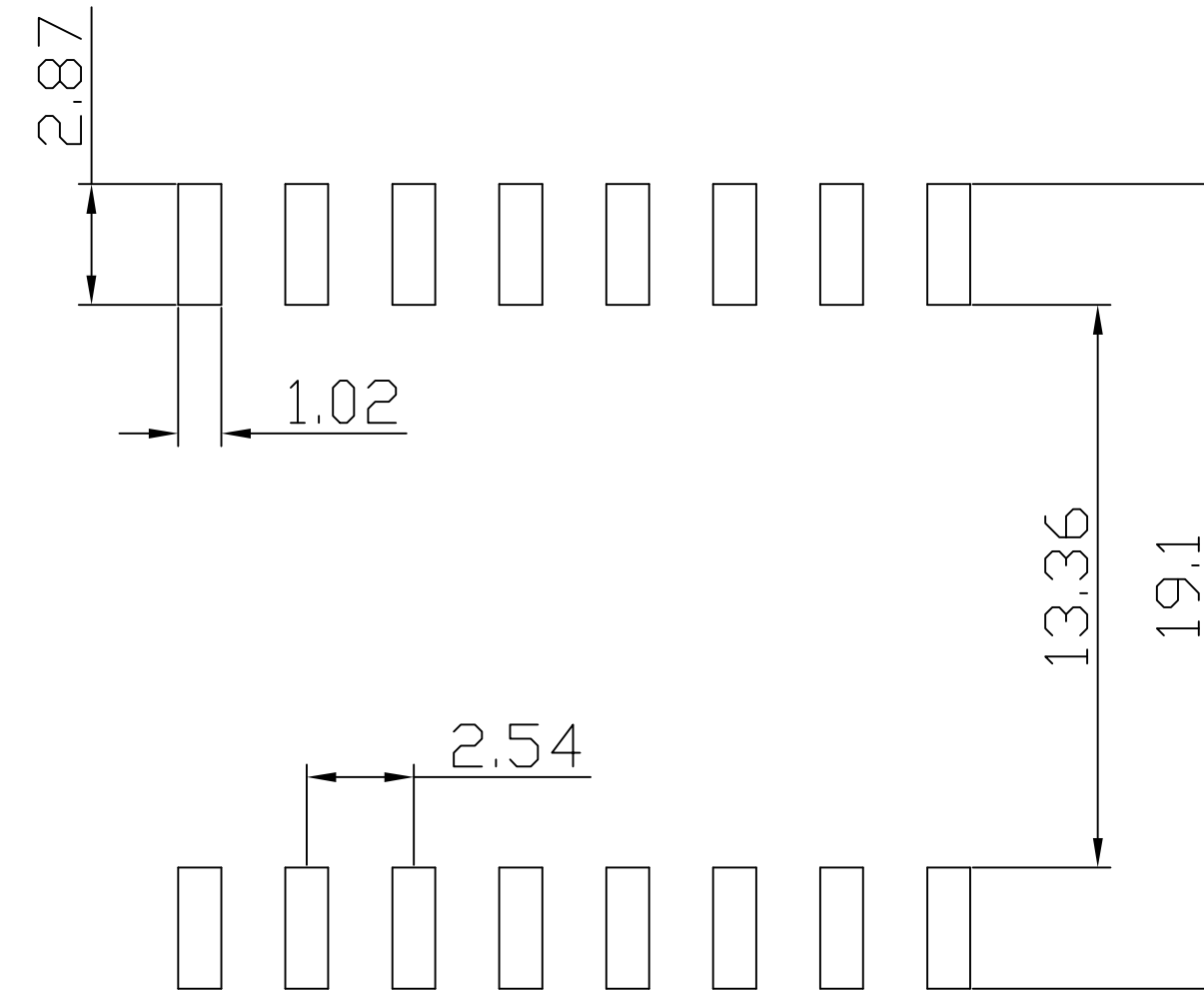
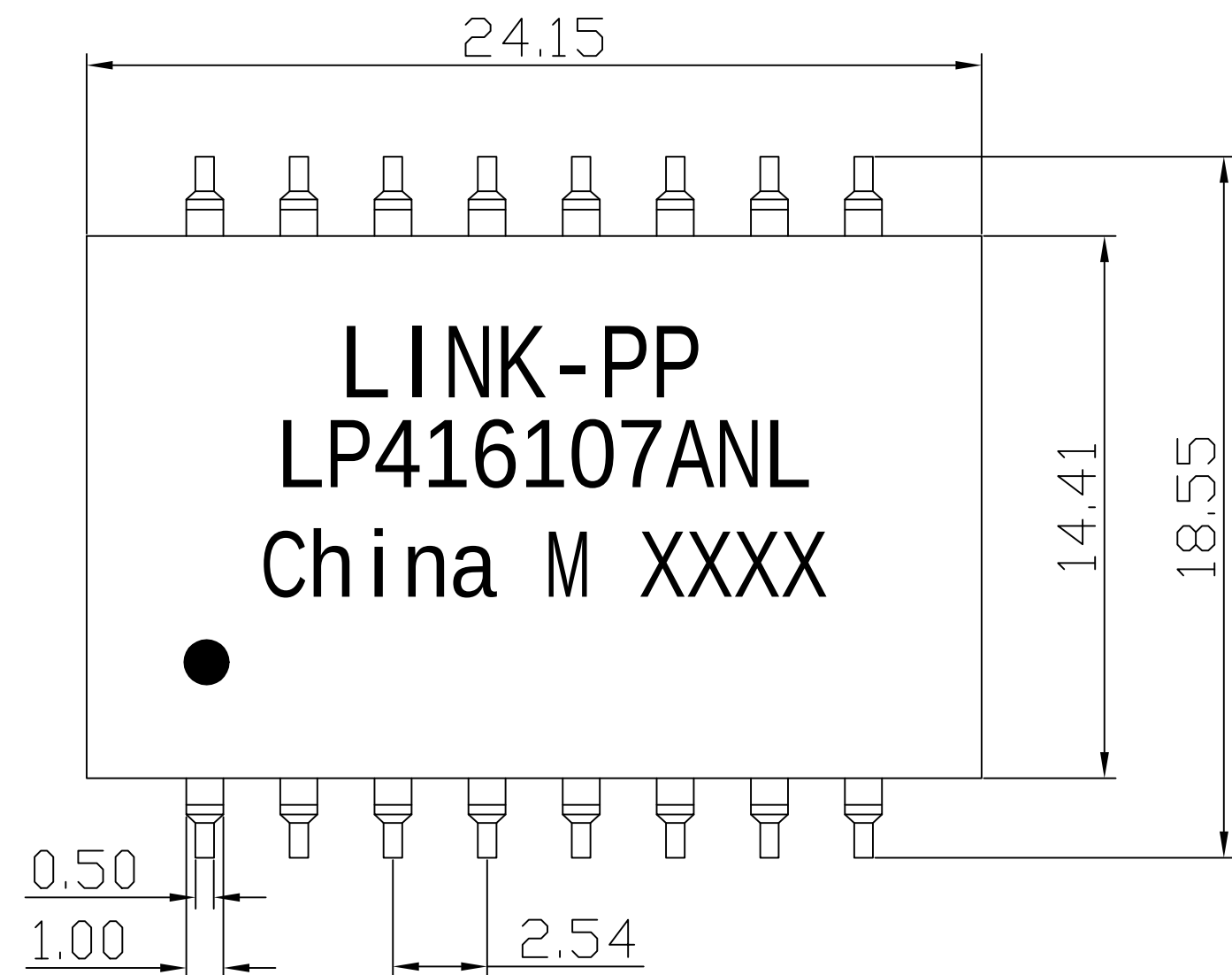
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2021-07-27	

- Electrical Specification @25℃
- 1.Turns Ratio: 1CT:1CT ±5%
- 2.Inductance(OCL):
350uH Min @100KHz,0.1Vrms,8mA
- 3.Insertion Loss(dB Max):
0.1-30MHz:-1.0 60-80MHz:-3.0
100MHz:-4.0
- 4.Return Loss:
1-30MHz:-9.0dB Min 40MHz:-7.0dB Min
60MHz:-4.5dB Min 100MHz:-2.0dB Min
- 5.DCMR:
1MHz:-50dB Min 30-60MHz:-35dB Min
100MHz:-30dB Min
- 6.DC Current/Voltage Rating:
350mA MAX @57V Continuous
- 7.Hipot: 4000Vrms Min
- 8.Operating Temperature: -40℃~+85℃.

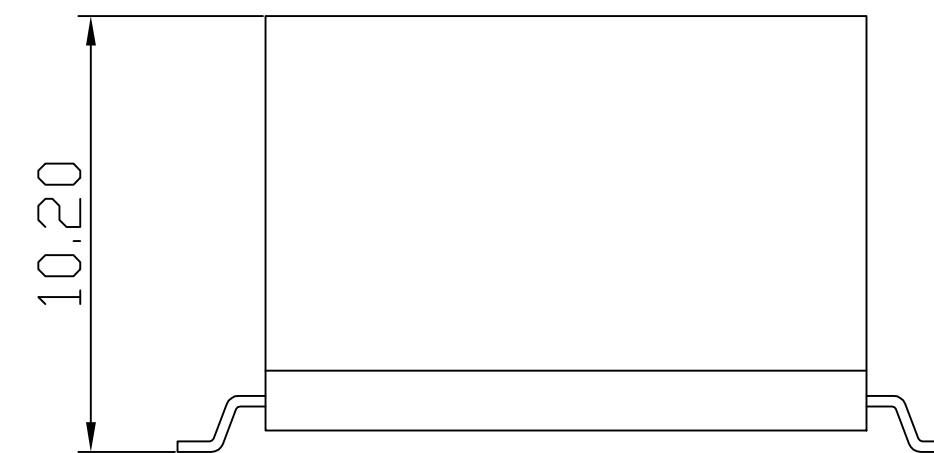
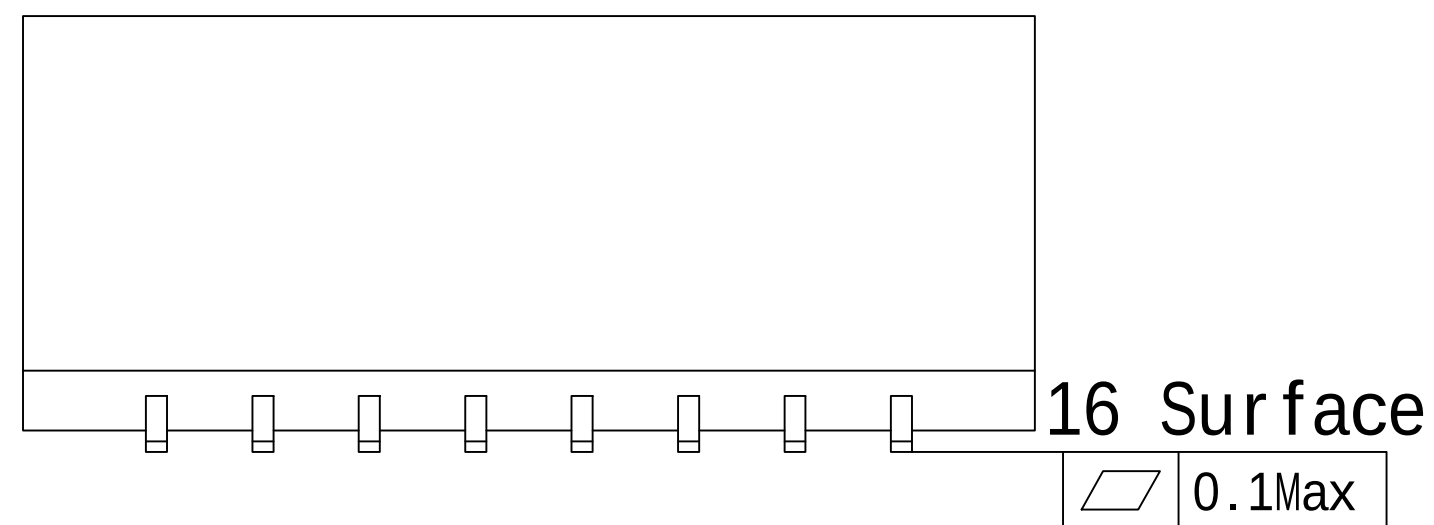
X.X ±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X.XX ±0.25	CHKD: JAMES	TITLE: 10/100 BASE-T TRANSFORMER MODULES FOR POE APPLICATION		
X.XXX ±0.15	DR: LEO			
ANGLES ±1°	UNIT: mm	PART NO.: LP416107ANL		
		SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO.: LP21072702		



Mechanical:	REV.	ECN NO.	DESCRIPTION	DATE	APPD
	A	REL		2021-07-27	



SUGGESTED PAD LAYOUT



NOTES:

- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE 802.3af specification.
- 3.Maximun reflow temperature is 250℃,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: 10/100 BASE-T TRANSFORMER MODULES FOR POE APPLICATION		
X.XXX	±0.15	DR: LEO			
ANGLES	±1°	UNIT: mm	PART NO.: LP416107ANL		
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP21072702