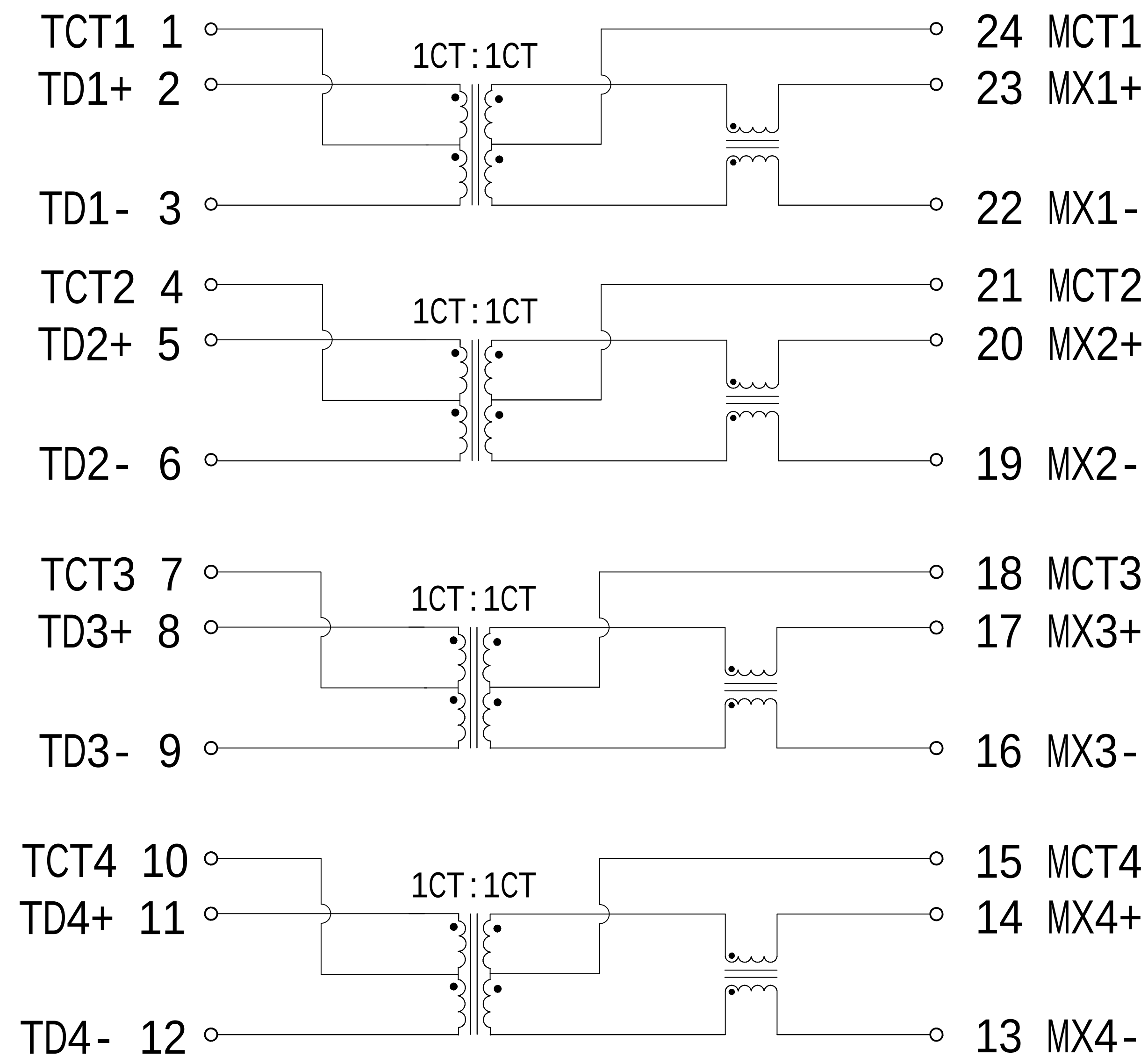


Schematic:

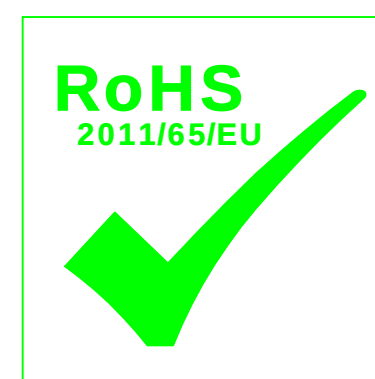


REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-08-15	

Electrical Specifications @25℃

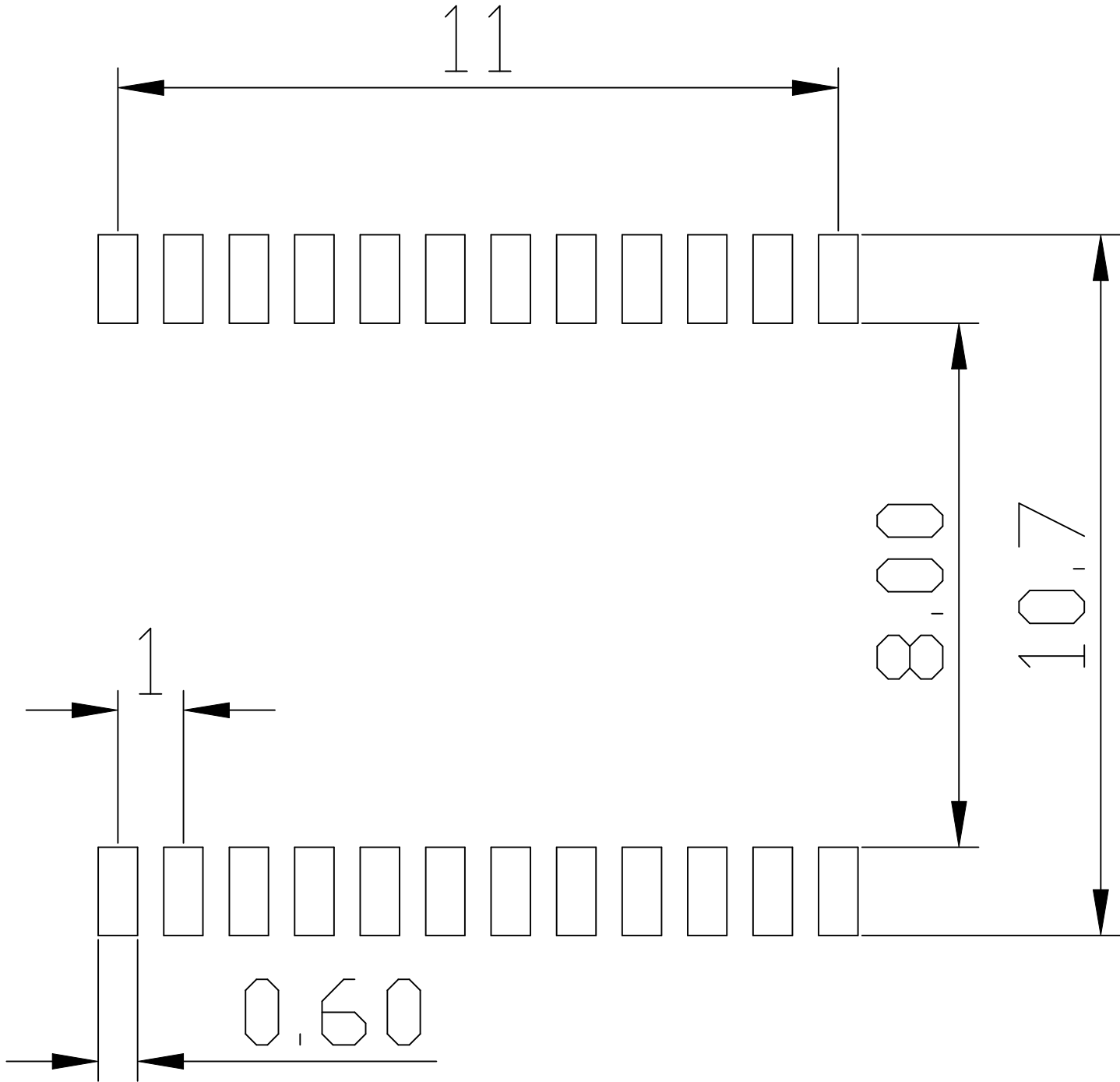
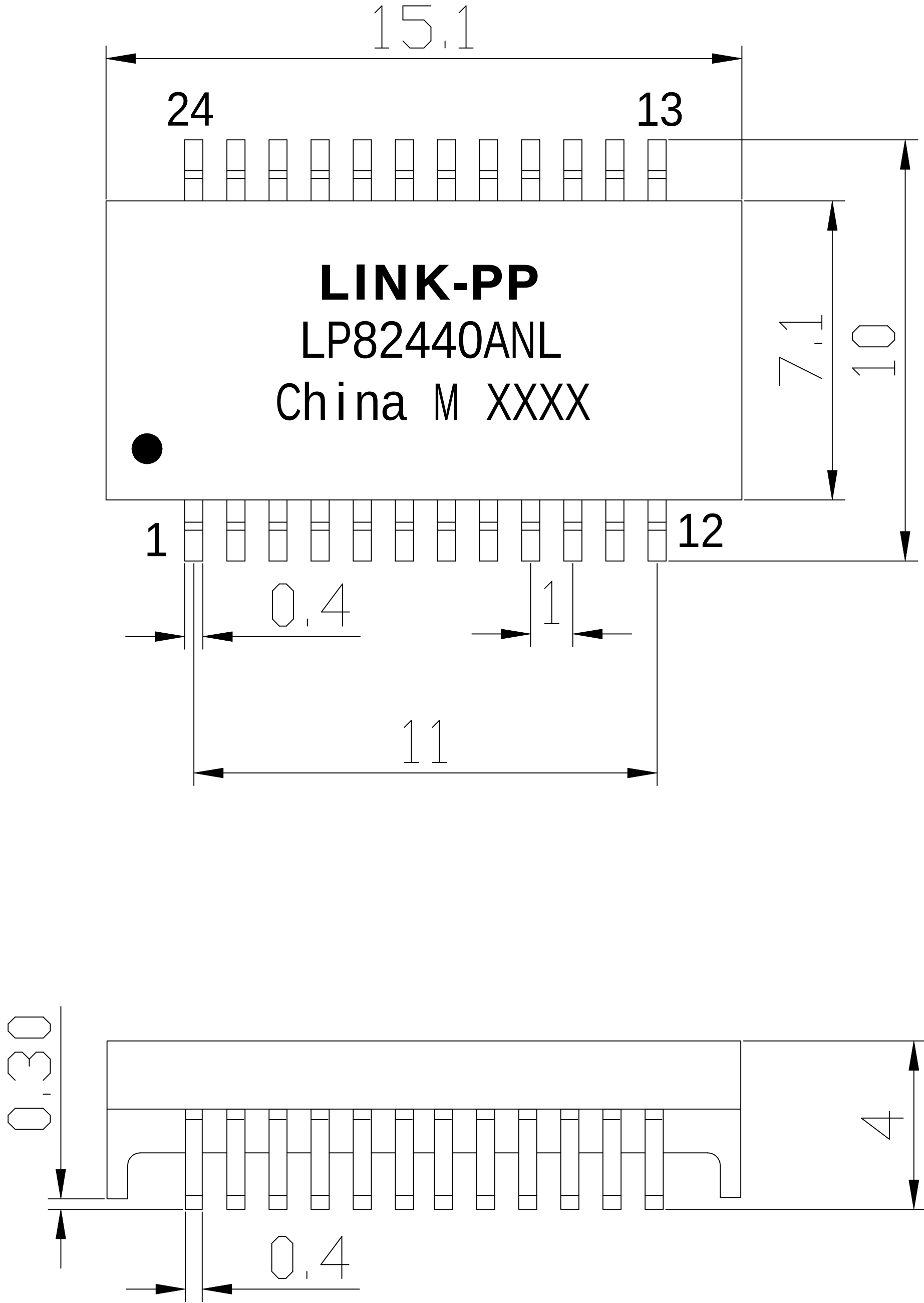
- Turns Ratio:1CT:1CT±5%
- OCL(@100KHz,100mV,8mA,DC):
350uH MIN
- Insertion Loss(dB MAX):
1-100MHz:-1.0
- LL: 0.5uH Max.
- DCR: 1.2Ω Max.
- Return Loss(dB MIN):
1-30MHz:-16 30-60MHz:-12
60-80MHz:-10 80-100MHz:-8
- Crosstalk(dB MIN):
1-100MHz:-30
- DCMR(dB MIN):
1-100MHz:-30
- Hipot:1500Vrms
- Operating Temperature:-40℃~+85℃.

X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: 1000 BASE-T TRANSFORMER MODULES	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.: LP82440ANL	
		SCALE: 2/1	SHEET: 1/4	REV: A
				DWG NO.: LP23081517

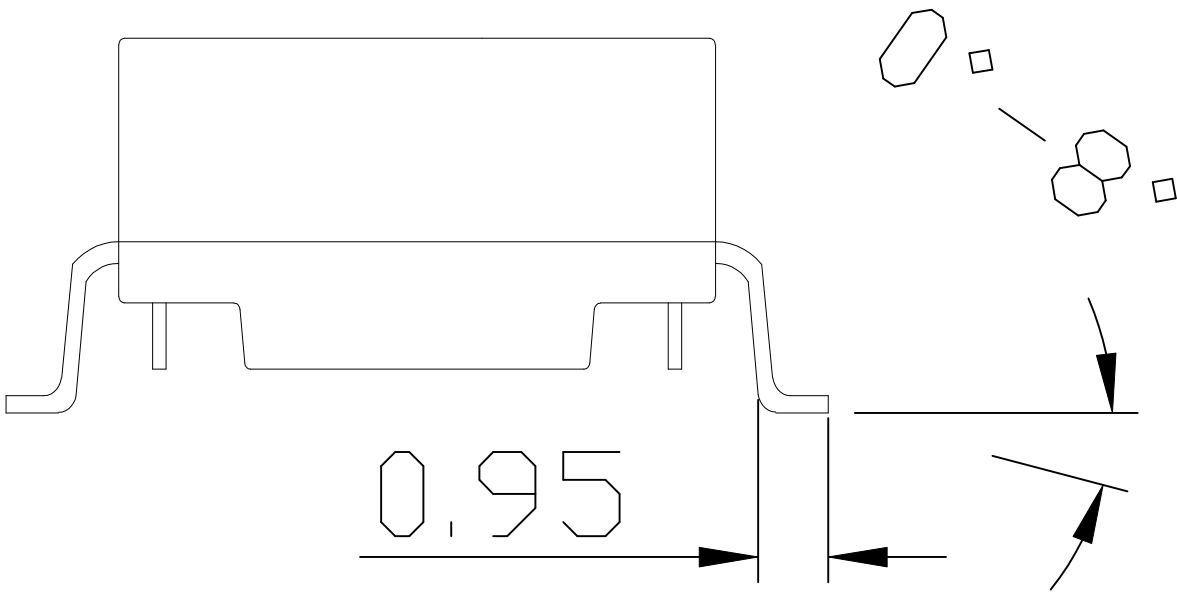


Mechanical:

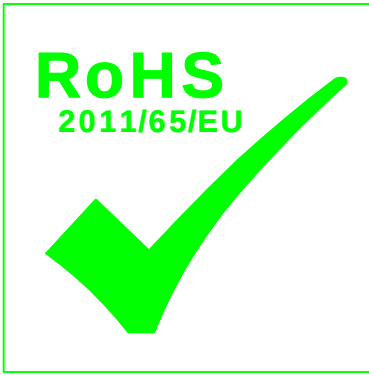
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-08-15	



SUGGESTED PAD LAYOUT



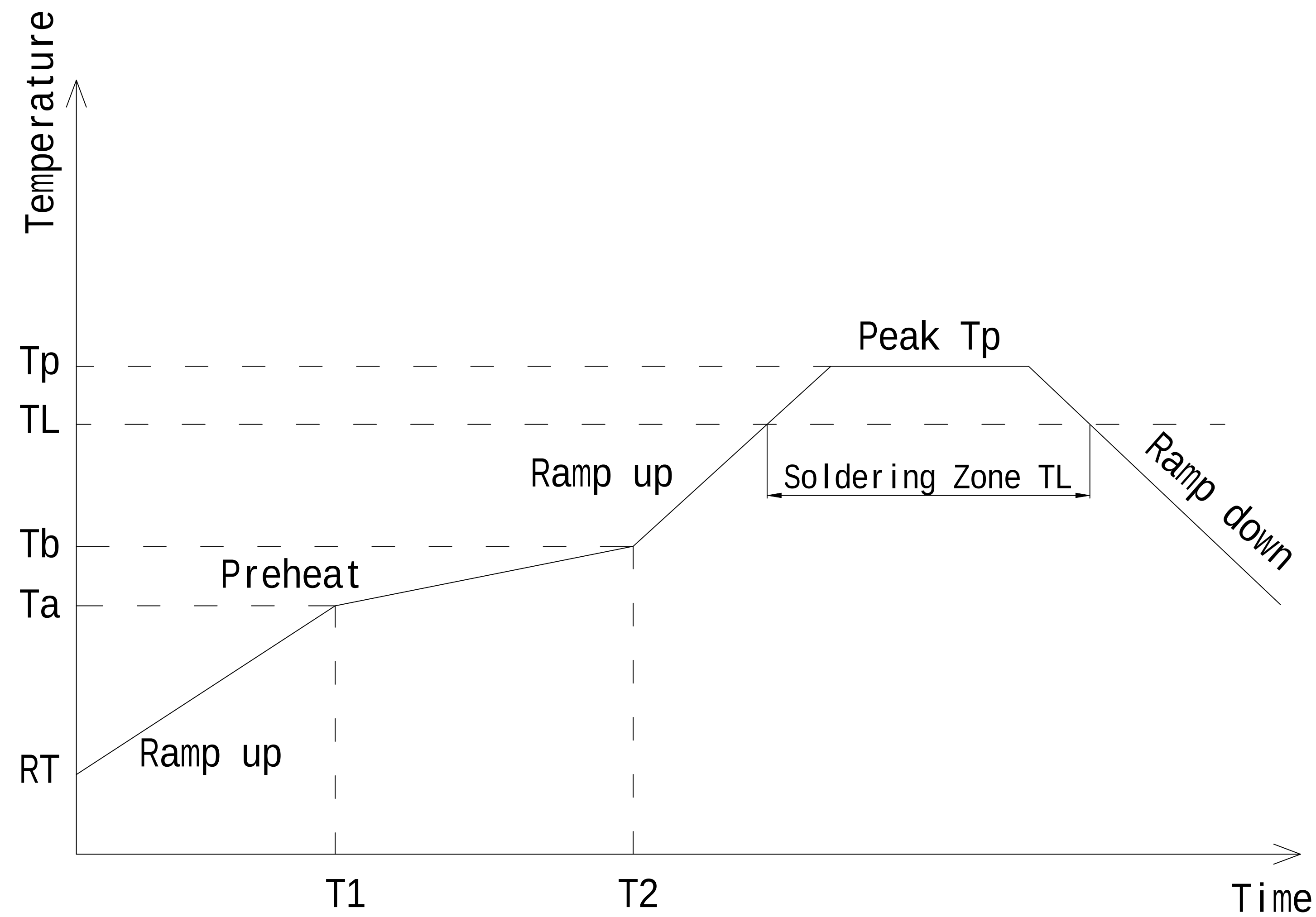
- NOTES
- 1.DESIGNED FOR GIGABIT TRANSCEIVERS
 - 2.PEAK REFLOW TEMPERATURE RATING 250℃
 - 3.MAGNETICS,DESIGNED FOR GIGABIT PHY USED IN BACKPLANE.
 - 4.COMPLIANT WITH IEEE 802.3 STANDARD.
 - 5.UL CERTIFICATION: FILE NUMBER E484635.



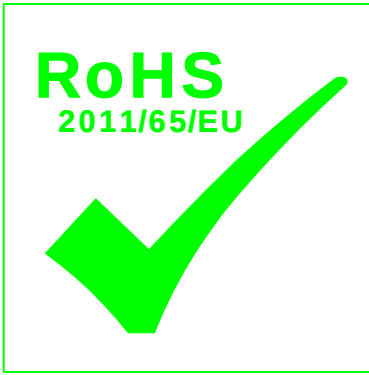
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	1000 BASE-T TRANSFORMER MODULES	
ANGLES	±1°	UNIT: mm	PART NO.:	LP82440ANL
		SCALE: 2/1	SHEET: 3/4	REV: A
			DWG NO.:	LP23081517

IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-08-15	



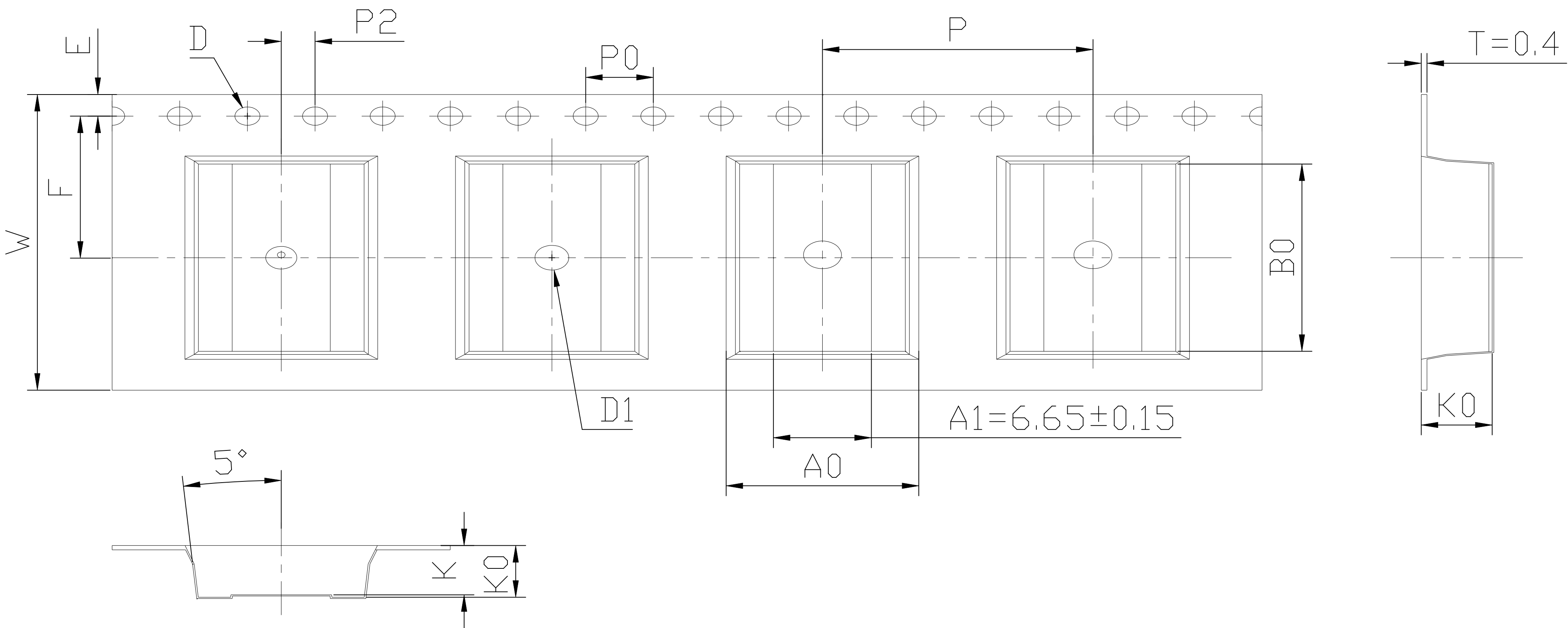
- ◆ PREHEAT:
TEMPERATURE(TA-TB):150-200℃
TIME(T1-T2):60-180S
- ◆ HOLDING TEMPERATURE:217℃
TIME(TL):60-150S
- ◆ MAX TEMPERATURE(TP):250(+0/-5℃)
MAX TIME(TP):5S
- ◆ THE AVERAGE SPEED:3℃/S MAX
THE AVERAGE COOLING SPEED:6℃/S MAX
- ◆ FROM 25℃ TO PRODUCTS OUT OF THE FURNACE:6 MINUTES MAX
- ◆ NUMBER OF TIMES POSSIBLE FOR REFLOW:2 TIMES MAX



X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: 1000 BASE-T TRANSFORMER MODULES	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.:	LP82440ANL
		SCALE: 2/1	SHEET: 2/4	REV: A
		DWG NO.: LP23081517		

Packing:

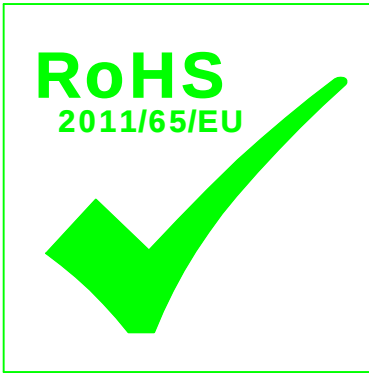
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-08-15	



ITEM	W	A0	B0	K0	K1	P	F
DIM	24.0 ^{+0.30} _{-0.10}	11.1 ^{+0.10} _{-0.10}	15.7 ^{+0.10} _{-0.10}	4.90 ^{+0.10} _{-0.10}	4.30 ^{+0.10} _{-0.10}	16.0 ^{+0.10} _{-0.10}	11.5 ^{+0.10} _{-0.10}
ITEM	E	D	D1	P0	P2		
DIM	1.75 ^{+0.30} _{-0.10}	1.5 ^{+0.10} _{-0.00}	1.5 ^{+0.25} _{-0.00}	4.00 ^{+0.10} _{-0.10}	2.0 ^{+0.10} _{-0.10}		

NOTES:

- ◆ PRIMARY PACKING: 800PCS/REEL
- ◆ CARTON PACKING: 4800PCS/6 REELS
- ◆ CARTON SIZE: 370X370X250MM
- ◆ GROSS WEIGHT: 7.2KG
- ◆ PART WEIGHT: 0.75g



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	1000 BASE-T TRANSFORMER MODULES	
ANGLES	±1°	UNIT: mm	PART NO.:	LP82440ANL
		SCALE: 2/1	SHEET: 4/4	REV: A
				DWG NO.: LP23081517