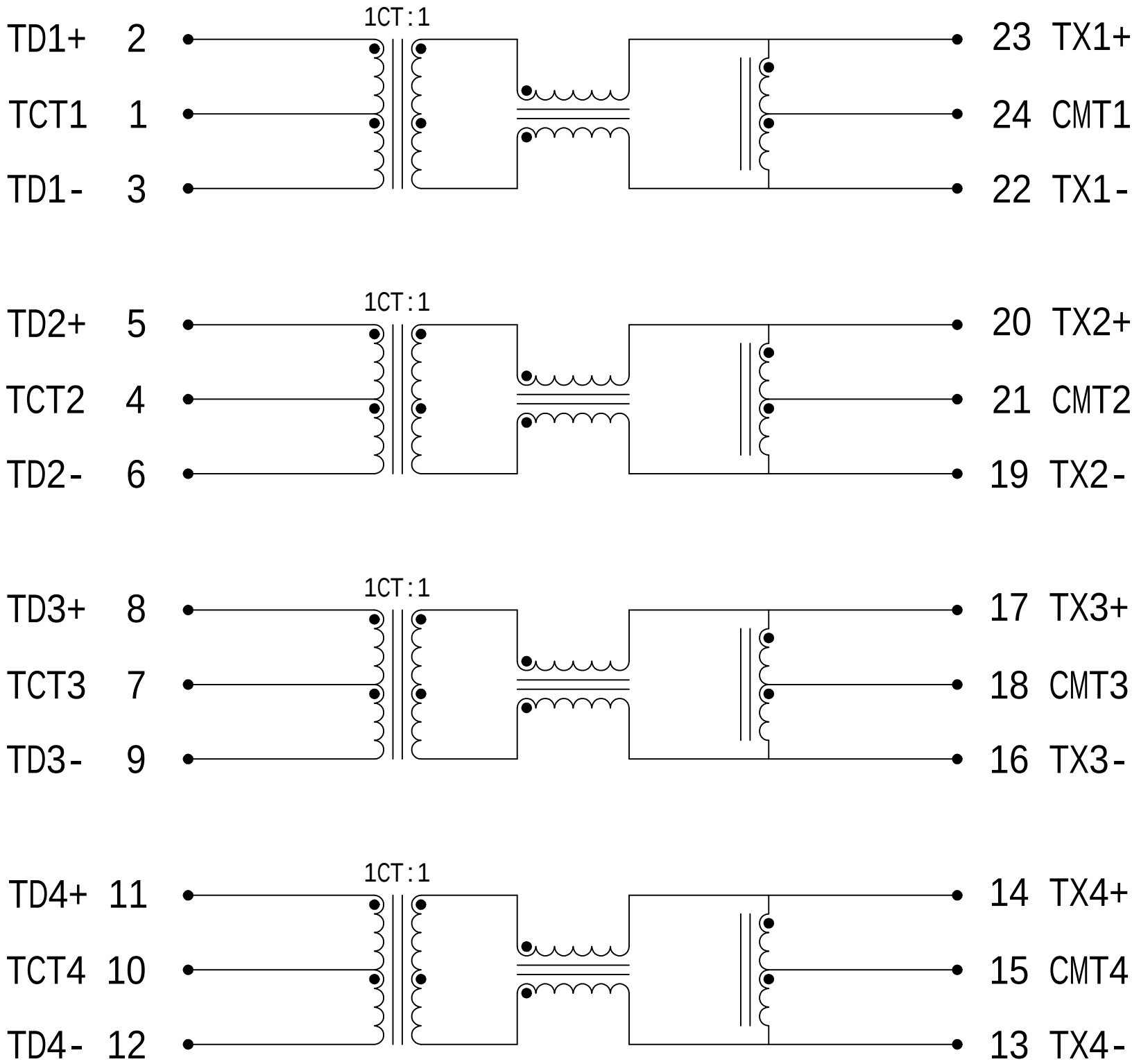


Schematic:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-11-11	LP013378

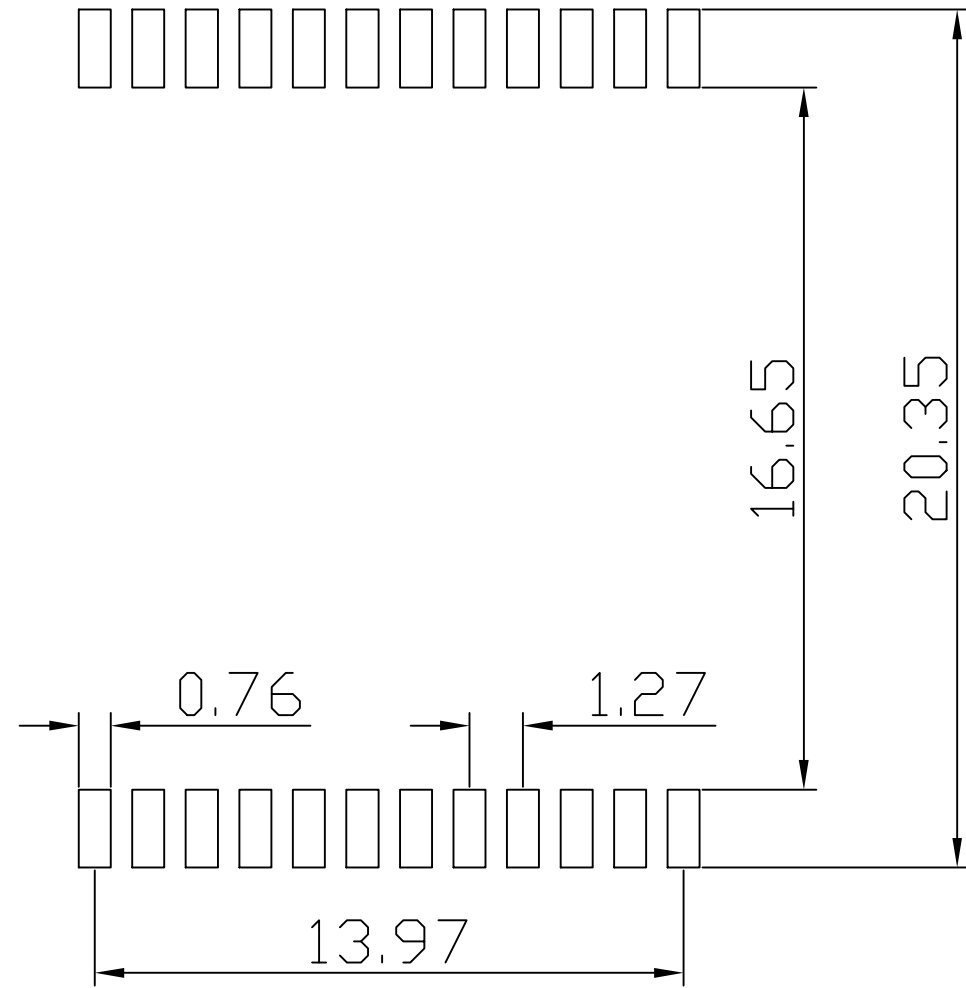
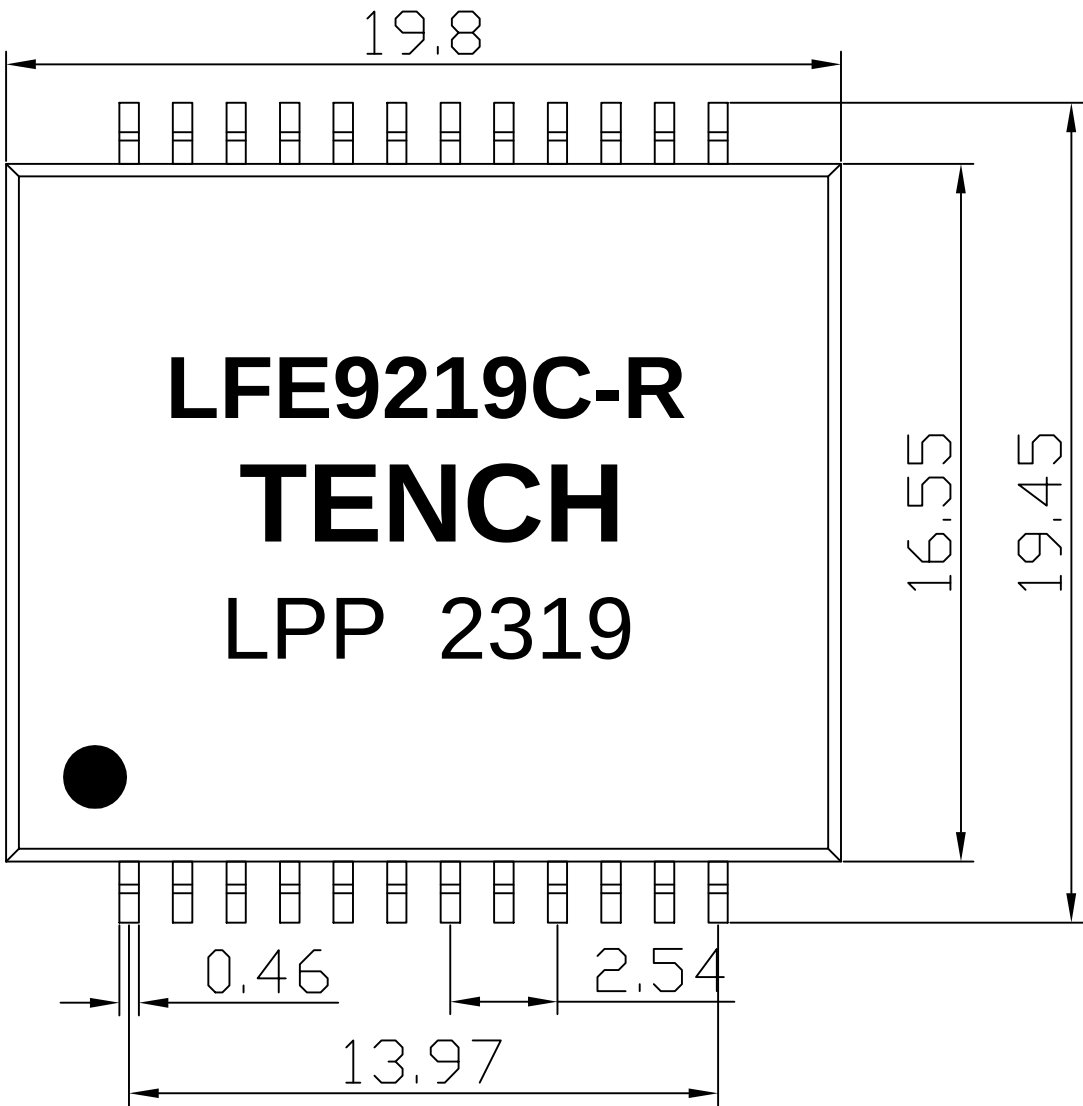
Electrical Specifications @25℃

- 1.Turns Ratio:1CT:1CT±5%
- 2.OCL(@100KHz,100mV,8mA,DC):
350uH MIN
- 3.Insertion Loss(dB MAX):
1-100MHz:-1.2
- 4.Return Loss(dB MIN):
1-30MHz:-16 30-60MHz:-12
60-80MHz:-10 80-100MHz:-8
- 5.Crosstalk(dB MIN):
1-100MHz:-30
- 6.CMR(dB MIN):
1-100MHz:-30
- 7.Hipot:1500Vrms
- 8.Operating Temperature:0℃～+70℃.

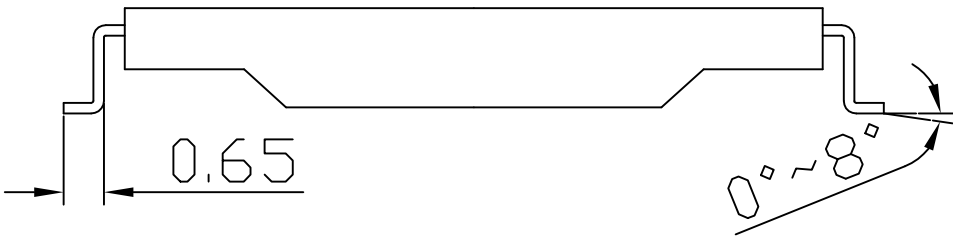
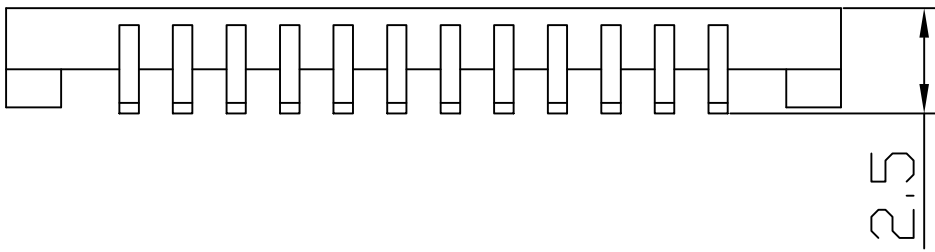


X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: 1000 BASE-T LOW PROFILE TRANSFORMER MODULES	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.:	LP5019NL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP10111113

Mechanical :	REV.	ECN NO.	DESCRIPTION	DATE	APPD
	A	REL		2010-11-11	LP013378



RECOMMENDED PCB 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℃,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: 1000 BASE-T LOW PROFILE TRANSFORMER MODULES		
X.XXX	±0.15	DR: JULY			
ANGLES	±1°	UNIT: mm	PART NO.:	LP5019NL	
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10111113