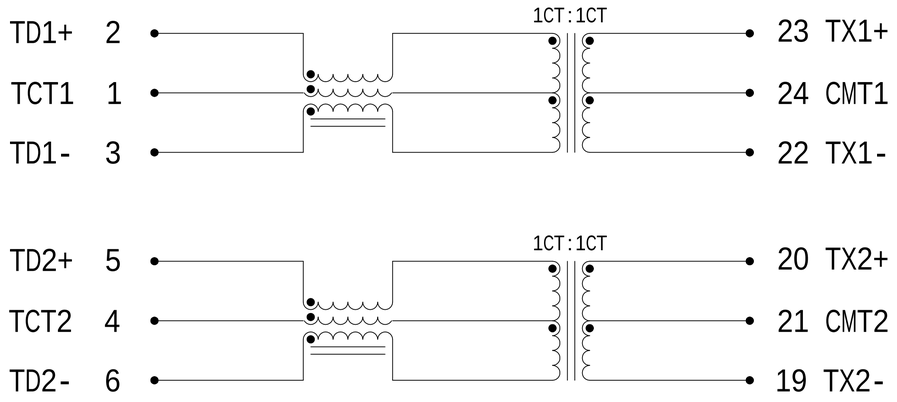
Schematic:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2020-05-23	

ELECTRICAL SPECFICATIONS @25℃

1.Turn Ratio : 1CT:1CT±5%

2.Inductance OCL:
  120uH Min @100KHz 0.1V 28mA DC Bias

3.DC Resistance: 0.30Ω Typ.

4.Insertion Loss:
  -1.2dB Max @100KHz
  -0.2-0.002*f^1.4 dB Max @1～125 MHz

5.Return Loss:
  -16dB Min @1～40MHz
  -10+20*LOG 10(f/80 MHz)dB Min @40～100 MHz

6.Cross talk:
  -50dB Min @ 1MHz
  -55+22*LOG 10(f/10)dB Min @10～100 MHz

7.Common Mode Rejection:
  -50dB Min @ 2MHz
  -15+20*LOG 10(f/200)dB Min @30～200 MHz

8.Balance DC Line current:
  1200mA MAX,@57VDC Continuous;

9.Hipot Test : 1500Vrms

10.Operating Temperature Range: -40℃～+85℃.

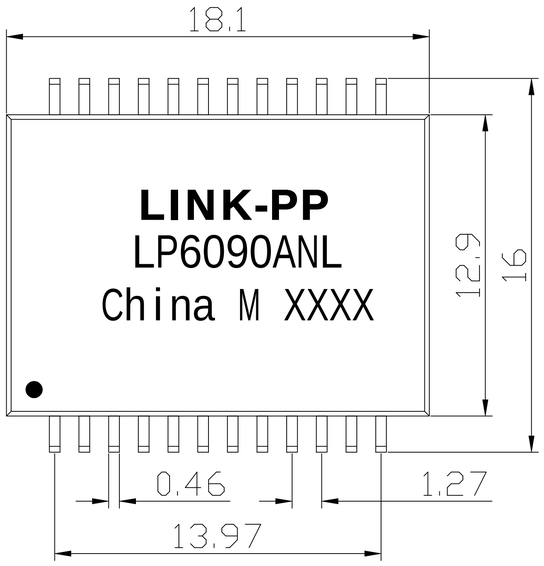
RoHS 2011/65/EU

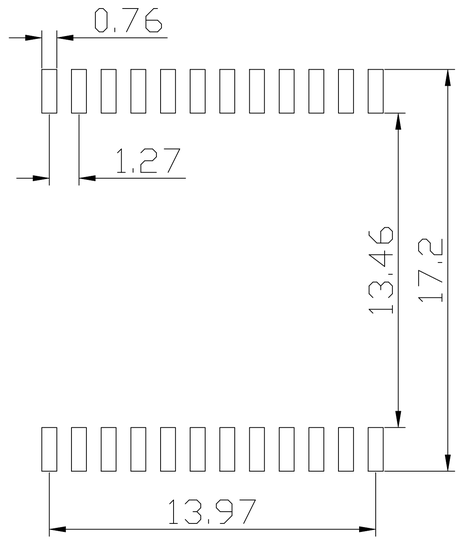
X.X	±0.30	APPD:	TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD:	JAMES	TITLE: 1000 BASE-T TRANSFORMER MODULES FOR POE++ APPLICATION	
X.XXX	±0.15	DR:	JULY		
ANGLES	±1°	UNIT:	mm	PART NO.: LP6090ANL	
		SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP20052301

LINK-PP Website: http://www.link-pp.com Email: info@link-pp.com Tel: +86-0752-3322916 Fax: +86-0752-3161926

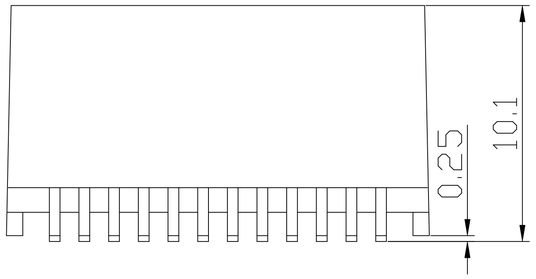
Mechanical:

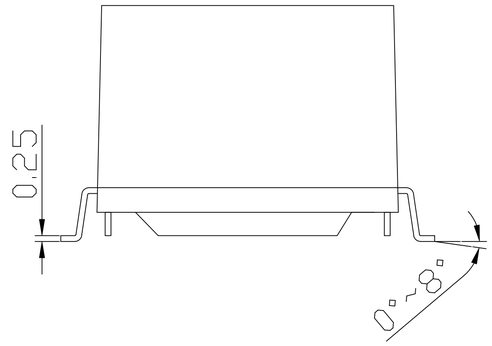
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2020-05-23	





RECOMMENDED PCB LAYOUT(TOP VIEW)





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. Maximun reflow temperature is 250℃,5 Sec.
4. UL certification: file number E484653.

RoHS 2011/65/EU

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 FOR POE++ APPLICATION			
X.XXX ±0.15	DR: JULY				
ANGLES ±1°	UNIT: mm	PART NO.: LP6090ANL			
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP20052301	

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