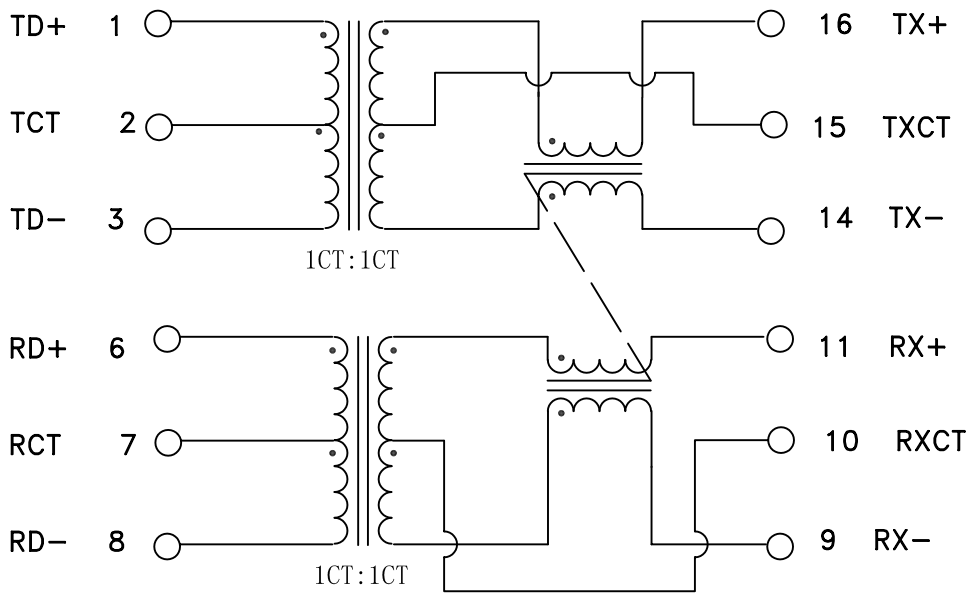
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		19/05/2010	



Electrical Specifications @25℃

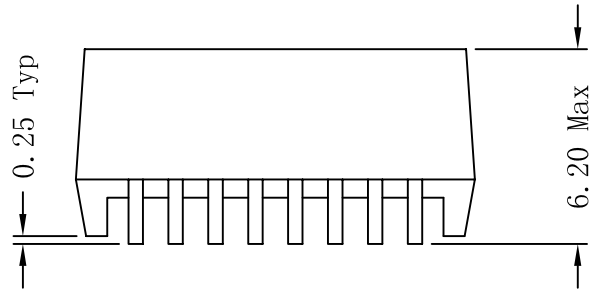
1. Turns Ratio:
   TX=1CT:1CT RX=1CT:1CT
2. Insertion Loss:
   0.1-100MHz:-1.4dB MAX
3. Return Loss(dB MIN):
   1-30MHz:-16 40MHz: -14
   50MHz:-13 60-80MHz:-12
4. Crosstalk(dB MIN):
   30MHz:-45 60MHz:-40
   100MHz:-35
5. DCMR(dB MIN):
   30MHz:-43 60MHz:-37
   100MHz:-33
6. Isolation Voltage: 1500Vrms MIN
7. OCL:
   350uH MIN @100KHz,0.1V,8mA DC Bias
8. Operating Temperature: 0℃～70℃.

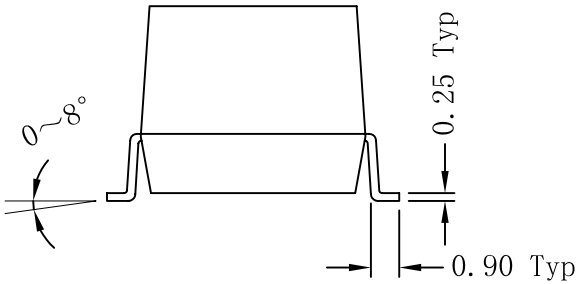
RoHS 2002/95/EC

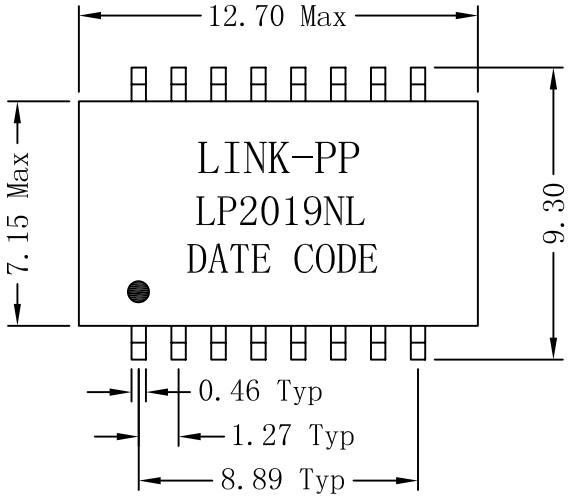
X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	CHKD:	
X:XXX	DR: TOM	TITLE: 10/100Base-TX VoIP Magnetics Modules
ANGLES ±1°	UNIT: mm	PART NO.: LP2019NL
	SCALE: 2/1 / SHEET: 1/2 / REV: A	DWG NO.: TRC10051905

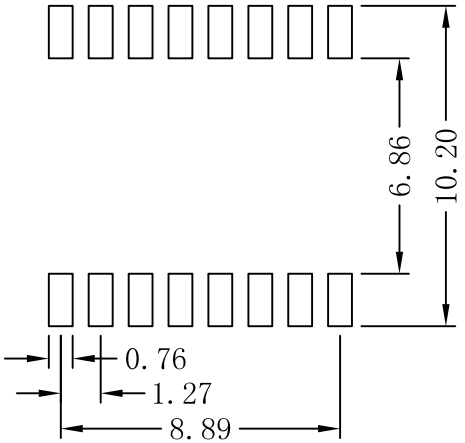
Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		19/05/2010	









SUGGESTED PAD LAYOUT

Dimensions: mm
Unless otherwise specified, all tolerances are ±0.25

NOTES:
1. Designed to support application, such as SOHO(ADSL modems), LAN-on-Motherboard(LOM), hub and Switches.
2. With various Turns Ratios.
3. RoHS"NL" peak solder rating 260℃.

RoHS 2002/95/EC

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	CHKD:	
X:XXX	DR: TOM	TITLE: 10/100Base-TX VoIP Magnetics Modules
ANGLES ±1°	UNIT: mm	PART NO.: LP2019NL
	SCALE: 2/1 / SHEET: 2/2 / REV: A	DWG NO.: TRC10051905