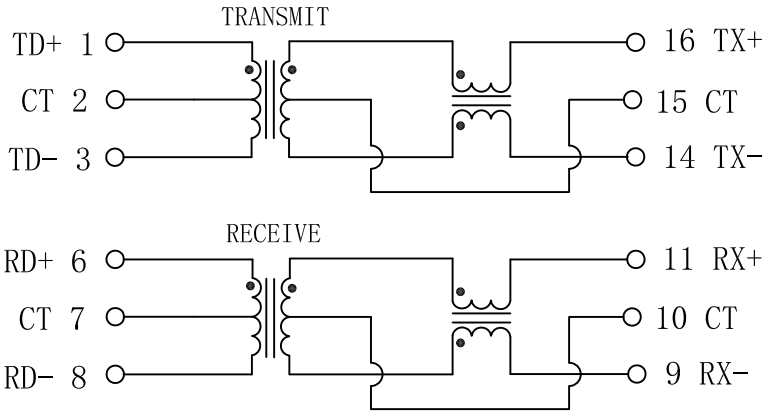
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		11/04/2016	



Electrical Specifications @25℃

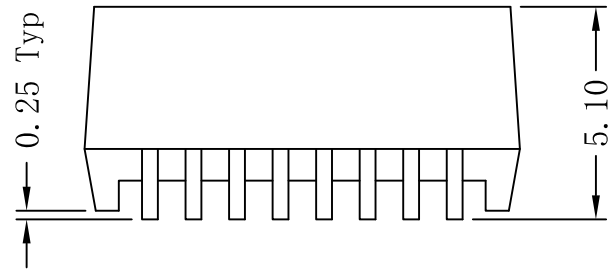
1. OCL: 350uH MIN
   @100KHz, 0.1Vrms, 8mADC Bias
2. Turns Ratio:
   TX=1CT：1CT　　RX=1CT：1CT
3. Insertion Loss:
   0.1-100MHz:-1.1dB MAX
4. Return Loss(dB TYP):
   30MHz:-20　　60MHz:-14
   80MHz:-11.5
5. Crosstalk(dB TYP):
   30MHz:-45　　60MHz:-40
   100MHz:-35
6. DCMR(dB TYP):
   30MHz:-42　　50MHz:-37
   100MHz:-33
7. Hipot: 1500Vrms MIN
8. Operating Temperature: 0℃～70℃.

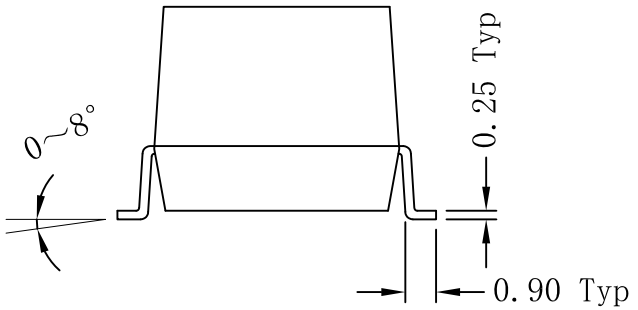
RoHS 2011/65/EU

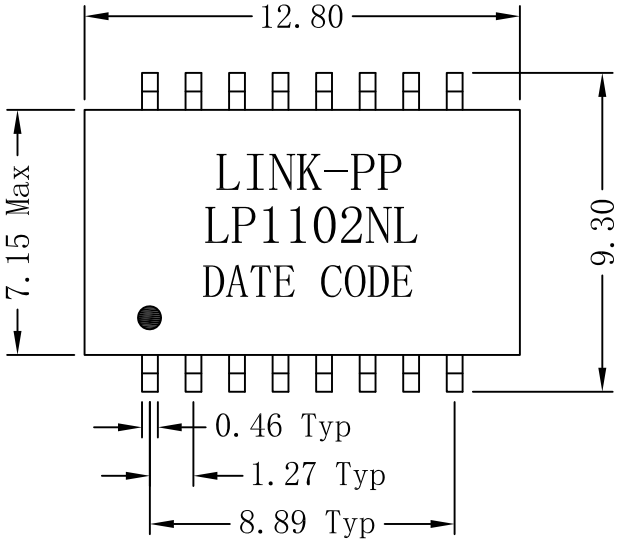
X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ±0.25	CHKD:	TITLE: 10/100 Base-T Single Port Transformer Modules	
X:XXX	DR: TOM		
ANGLES ±1°	UNIT: mm	PART NO.: LP1102NL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP16041120

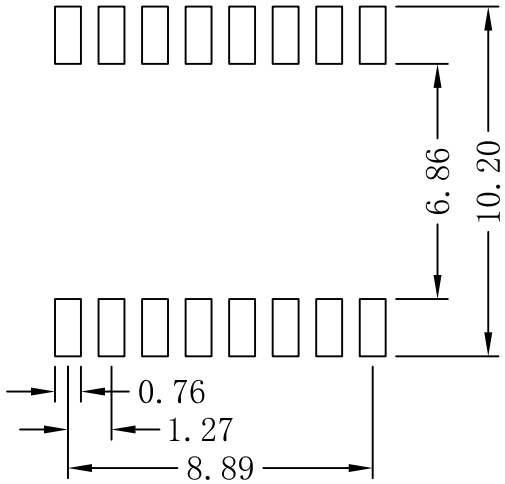
Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		11/04/2016	









SUGGESTED PAD LAYOUT

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

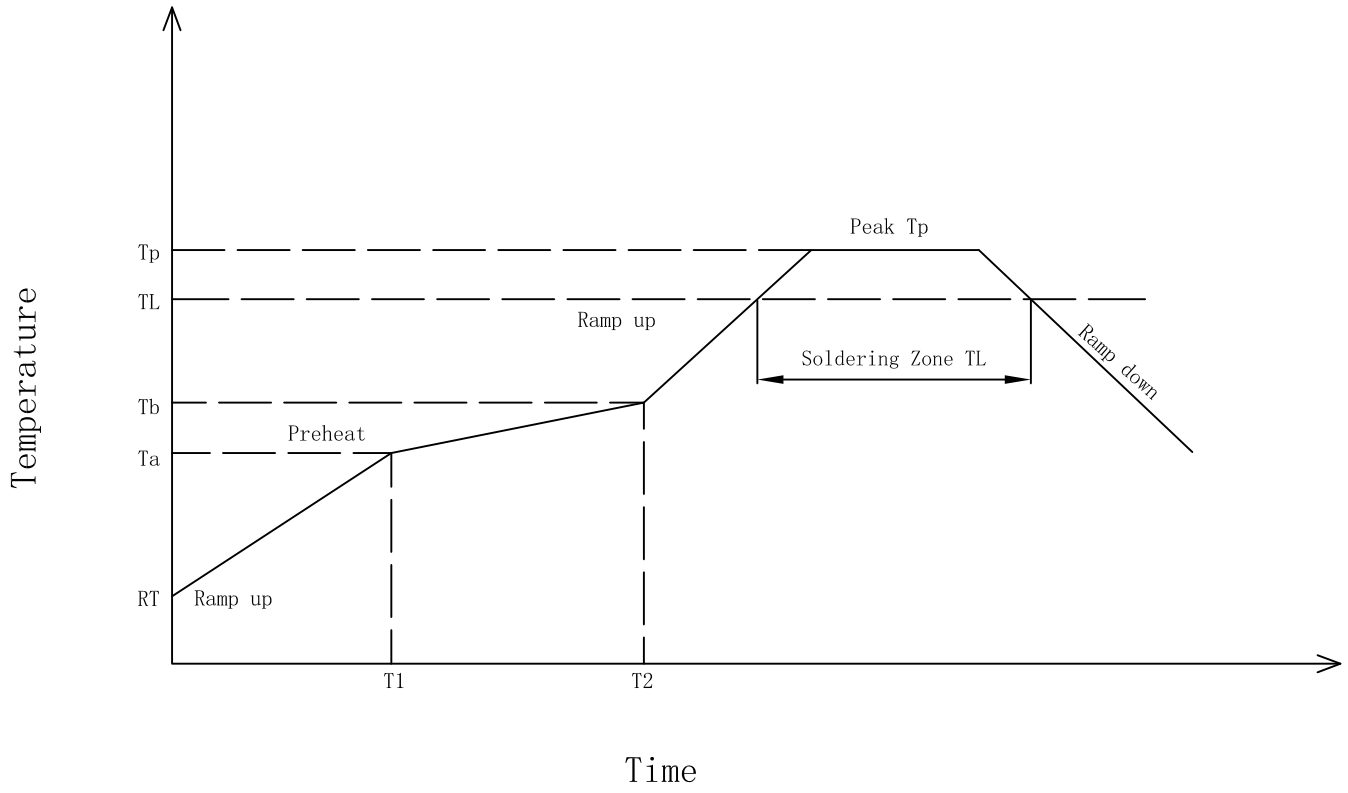
NOTES:
1. Designed to support application, such as SOHO(ADSL modems), LAN-on-Motherboard(LOM), hub and Switches.
2. Meets IEEE 802.3 specification.
3. Maximun reflow temperature is 250℃, 5 Sec.
4. UL certification: file number E484635

RoHS 2011/65/EU

X:X		APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX		DR: TOM	TITLE: 10/100 Base-T Single Port Transformer Modules	
ANGLES	±1°	UNIT: mm	PART NO.: LP1102NL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP16041120

IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		19/01/2010	



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):30s

The average speed:3℃/S Max
The average cooling speed:6℃/S Max

From 25℃ to Products out of the furnace:6 minutes Max

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