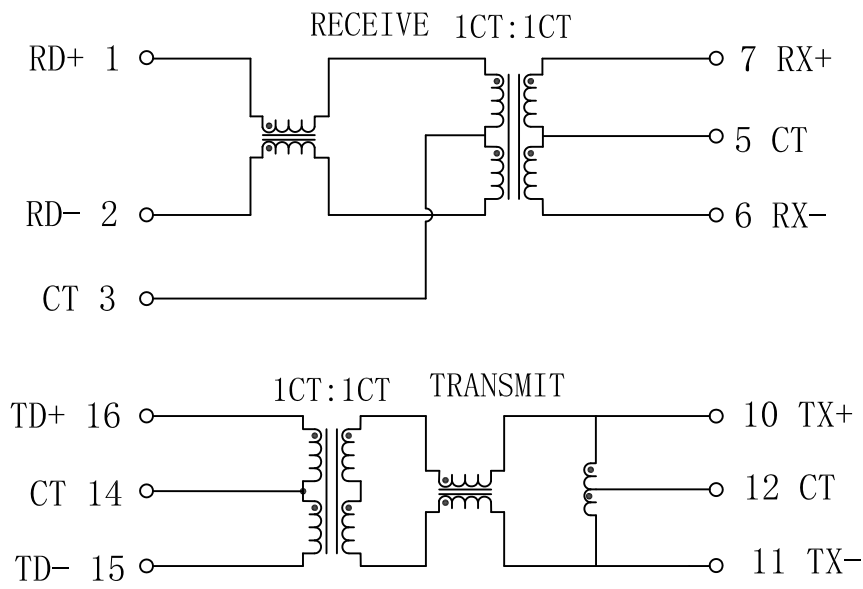


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-06-09	



ELECTRICAL SPECIFICATIONS @25℃

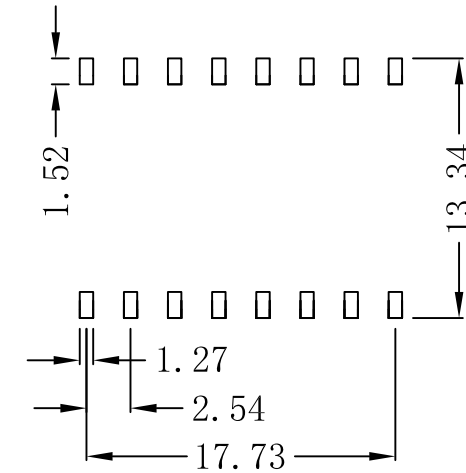
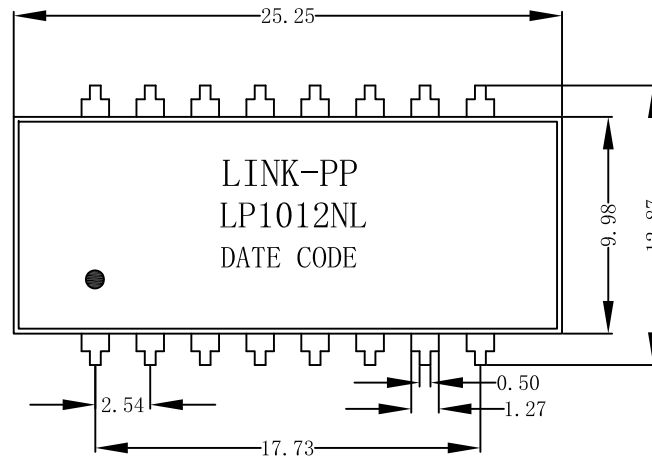
- Turn Ratio($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @100KHz 0.1V 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @0.1-100MHz
- Return Loss(@100 Ω):
-20dB MIN @1-30MHz
-20dB MIN @40MHz
-18dB MIN @50MHz
-14dB MIN @60-80MHz
- Cross talk:
-50dB TYP @30MHz
-40dB TYP @60MHz
-40dB TYP @100MHz
- Differential to Common Mode Rejection:
-42dB MIN @30MHz
-36dB MIN @60MHz
-33dB MIN @100MHz
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0℃ TO 70℃



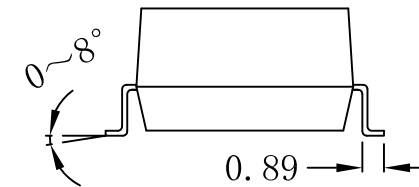
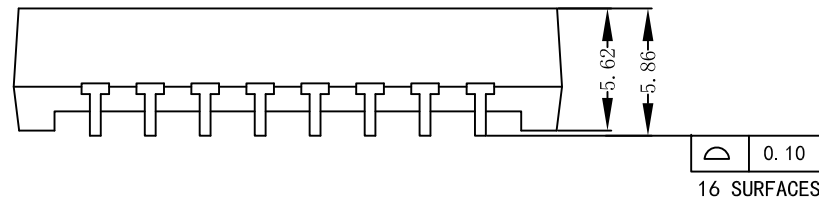
X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25	CHKD:	TITLE: 10/100Base-T Single Port Transformer Modules		
X:XXX	DR: TOM	PART NO.: LP1012NL		
ANGLES $\pm 1^\circ$	UNIT: mm	DWG NO.: LP15060949		
	SCALE: 2/1	SHEET: 1/2	REV: A	

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-06-09	



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. Maximum reflow temperature is 250°C, 5 Sec.



X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25	CHKD:	TITLE: 10/100Base-T Single Port Transformer Modules		
X:XXX	DR: TOM	PART NO.: LP1012NL		
ANGLES $\pm 1^\circ$	UNIT: mm	DWG NO.: LP15060949		
	SCALE: 2/1	SHEET: 2/2	REV: A	