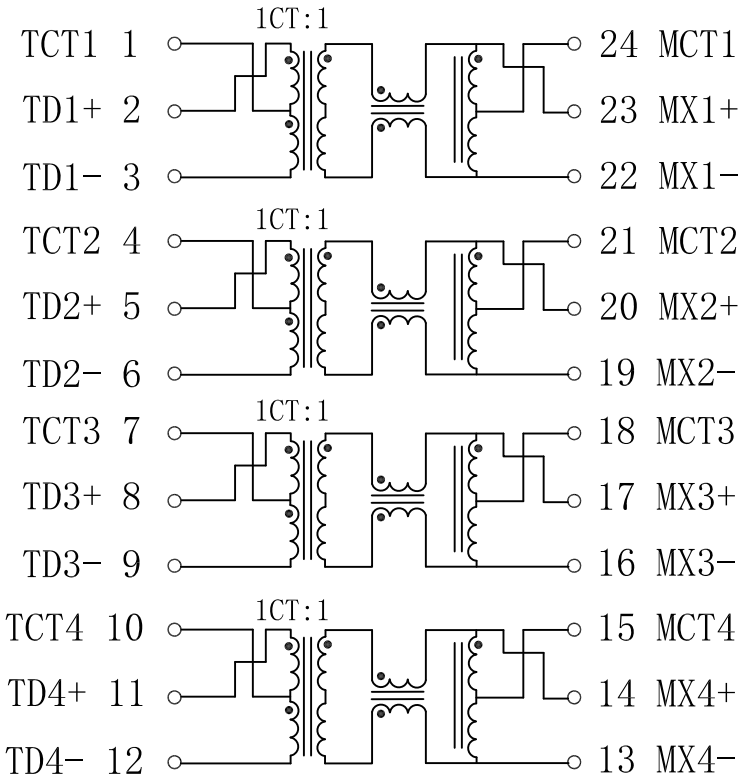
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/11/11	



Electrical Specifications @25℃

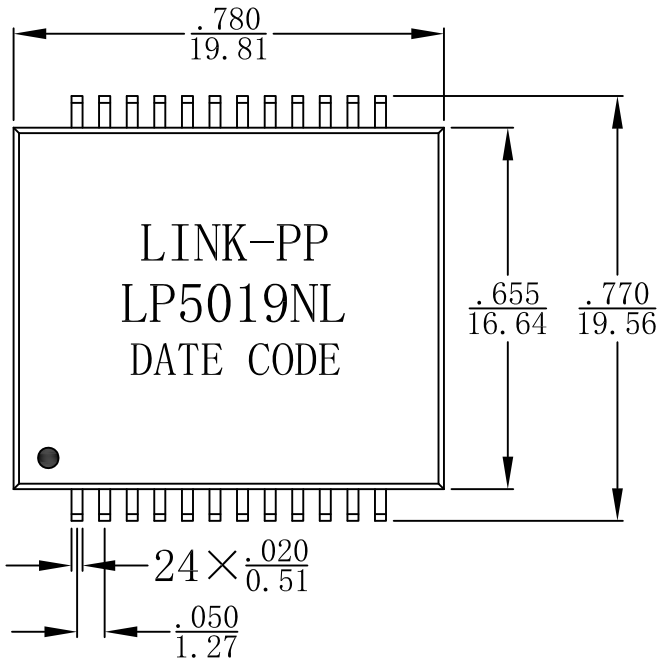
1. Turns Ratio: 1CT：1
2. Inductance: 350uH MIN
   @100KHz,100mV,8mA.
3. Insertion Loss:
   1-100MHz:-1.0dB Max
4. Return Loss(dB Min):
   1-40MHz:-18
   40-100MHz:-12+20*LOG10(f/80)
5. Crosstalk(dB Min):
   30-100MHz:-55+24*LOG10(f/10)
6. Differential to Common Mode Rejection:
   30-100MHz:-43+22*LOG10(f/30)dB Min
7. Hipot: 1500Vrms Min
8. Operating Temperature: 0℃～70℃.

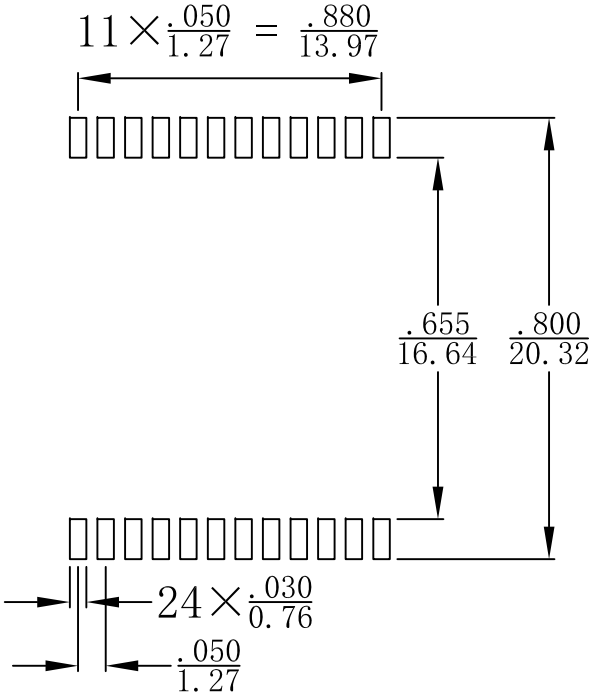
RoHS 2011/65/EU

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	CHKD:		
X:XXX	DR: TOM	TITLE: 1000Base-T Low Profile Magnetics Module	
ANGLES ±1°	UNIT: Inches/mm	PART NO.: LP5019NL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP10111113

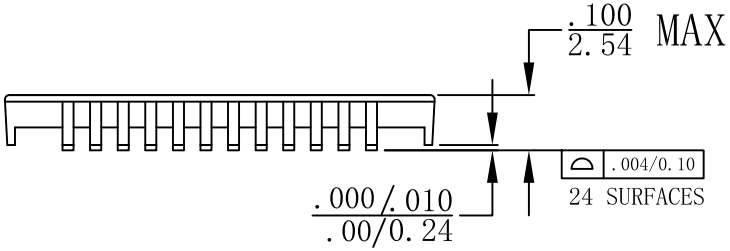
Mechanical:

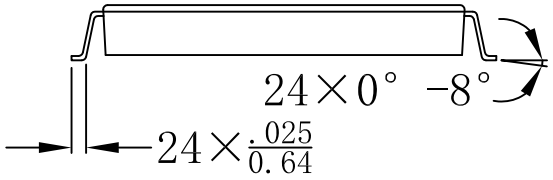
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/11/11	





SUGGESTED LAND PATTERN





NOTES:

1. Designed to support application, such as SOHO(ADSL modems), LAN-on-Motherboard(LOM), hub and Switches.
2. With various Turns Ratios.
3. Maximun reflow temperature is 250℃, 5 Sec.
4. UL Certification: File Number E484635.

RoHS 2011/65/EU

Unless otherwise specified, all tolerances are ±.010 / 0.25

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	CHKD:	
X:XXX	DR: TOM	TITLE: 1000Base-T Low Profile Magnetics Module
ANGLES ±1°	UNIT: Inches/mm	PART NO.: LP5019NL
	SCALE: 2/1 / SHEET: 2/2 / REV: A	DWG NO.: LP10111113