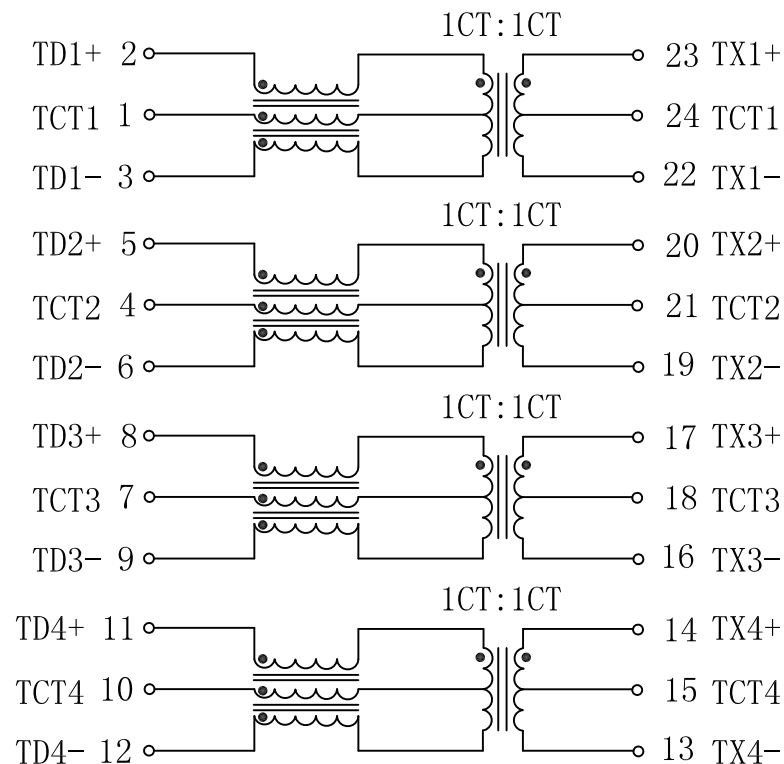


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2011/10/21	



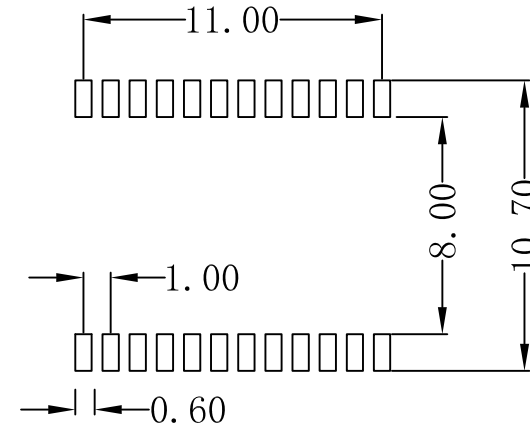
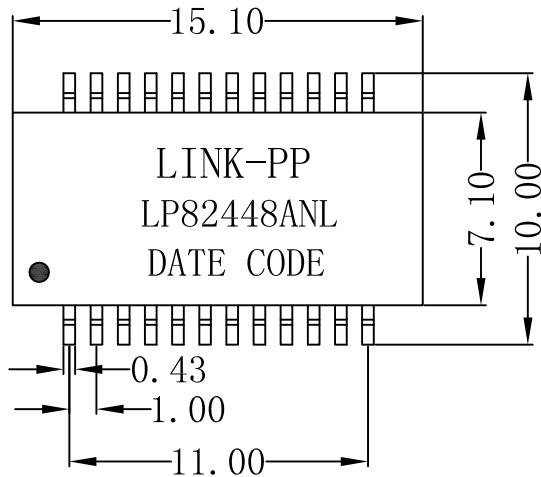
Electrical Specification @25°C

- Insertion Loss(dB Max):
 - 0.3-1MHz: -1.1 1-65MHz: -0.8
 - 65-100MHz: -1.0 100-125MHz: -1.2
- Return Loss(dB Min @100 OHM):
 - 0.5-40MHz: -18
 - 40-100MHz: -12-20LOG(f/80MHz)
- Crosstalk(dB Min):
 - 0.3-100MHz: -33-20LOG(f/100MHz)
- CM TO CM REJ:
 - 0.3-100MHz: -30dB Min
- CM TO DM REJ:
 - 0.3-100MHz: -35dB Min
- Turns Ratio:
 - PRI:SEC= 1CT:1CT $\pm 2\%$
- Inductance(100KHz/0.1V@11mA): 350uH Min
- Balanced DC Line Current:
 - 600mA Max @48~57VDC Continuous
- Hipot: 1500Vrms
- Operating Temperature: -40°C~+85°C.

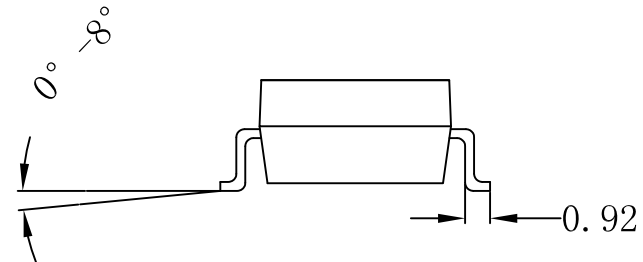
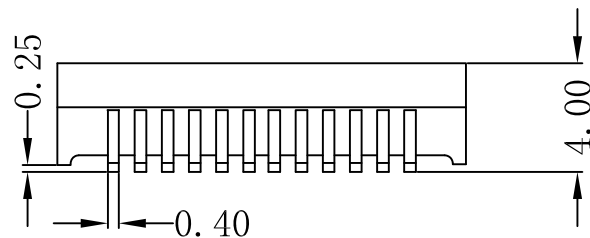
X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25	CHKD:			
X:XXX	DR: TOM	TITLE: 1000Base-T Magnetic Modules For PoE/PoE+ Application		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: LP82448ANL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP1010212

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2011/10/21	



SUGGESTED PAD LAYOUT



NOTES:

1. Gigabit Transformer Modules With Power Over Ethernet Option
2. Meets IEEE 802.3af/IEEE 802.3at specification
3. For RoHS part add suffix NL
4. Solder rating 245°C (+0/-5°C).
5. UL Certification: File Number E484635

X:X	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:	TITLE: 1000Base-T Magnetic Modules For PoE/PoE+ Application		
X:XXX	DR: TOM	PART NO.: LP82448ANL		
ANGLES ±1°	UNIT: mm	DWG NO.: LP1010212		
	SCALE: 2/1	SHEET: 2/2	REV: A	