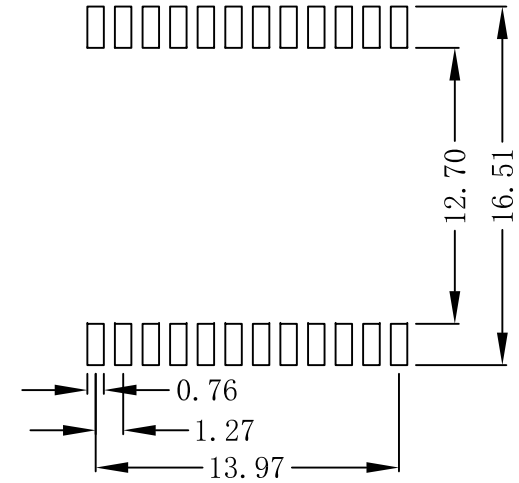
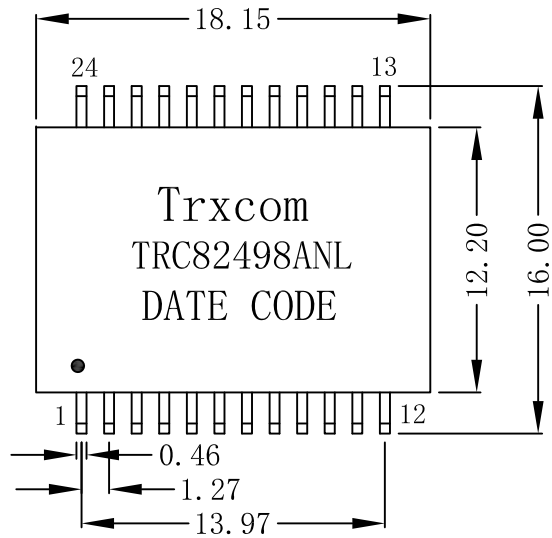
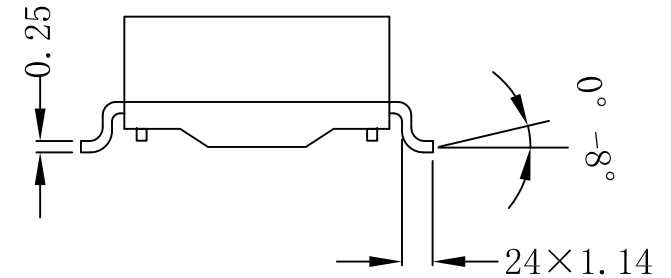
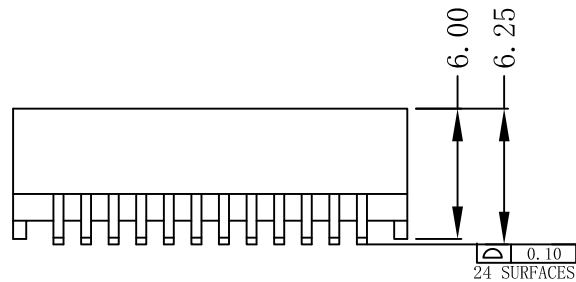


# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2019-05-15	



SUGGESTED PAD LAYOUT



## NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3at specification.
3. Maximum reflow temperature is 250°C, 5 Sec.
4. UL Certification: File Number E321120.



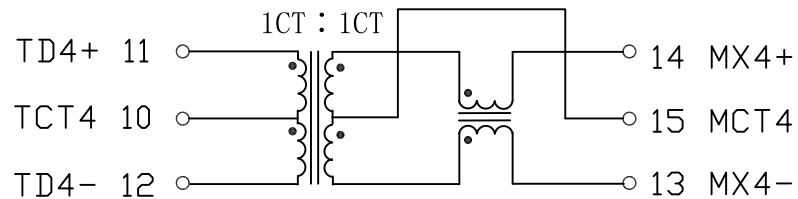
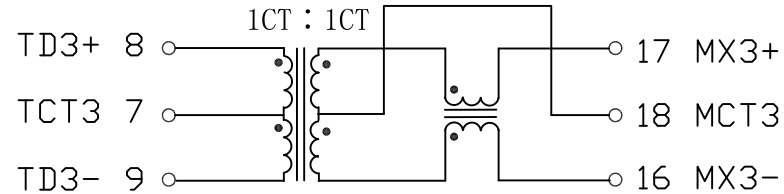
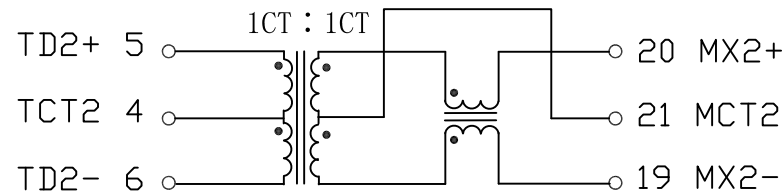
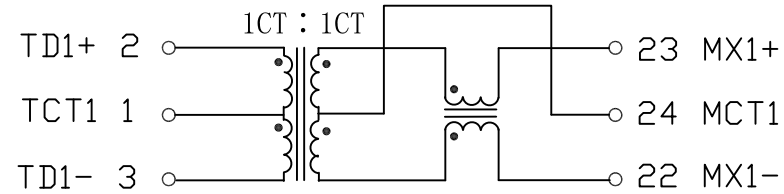
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X:XX ±0.25	CHKD:	Huizhou Trxcom Electronics Co., Ltd.	
X:XXX	DR: SEA	TITLE: 10/100/1000Base-T Magnetic Modules For PoE+ Application	
ANGLES ±1°	UNIT: mm	PART NO.: TRC82498ANL	
	SCALE: 2/1	SHEET: 1/4	REV: B DWG NO.: TRC19051502

# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2019-05-15	

LINE SIDE

CHIP SIDE



Electrical Specifications @25°C

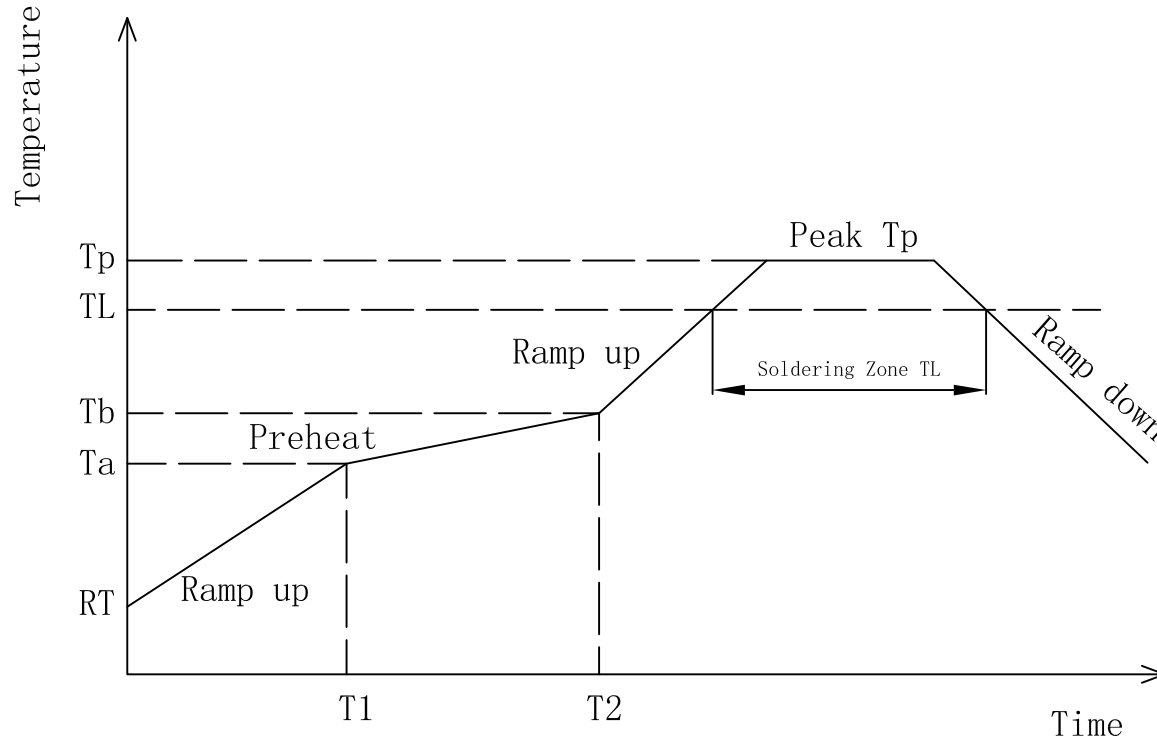
- Turns Ratio:  
Pri : Sec = 1CT : 1CT ±5%
- OCL: 350uH Min  
@100KHz, 100mV, 8mADC Bias
- Leakage Inductance: 0.5uH Max.  
@100KHz, 0.1V.
- Interwinding Capacitance: 35pF Max  
@100KHz, 0.1V
- Insertion Loss:  
1-100MHz:-1.1dB Max
- Return Loss(dB Min @100Ω):  
1-30MHz:-18      40MHz:-14.4  
50MHz:-13.1      60-80MHz:-12  
100MHz:-10
- Crosstalk(dB Min):  
30MHz:-45      60MHz:-40  
80MHz:-35
- DCMR(dB Min):  
30MHz:-43      60MHz:-37  
80MHz:-33
- PoE+ Current: Up to 720mADC
- Hipot: 5000VAC 1mA 2 seconds
- Operating Temperature: -40°C ~ +85°C.



X:X	APPD:	<b>Trxcom</b>		
X:XX ±0.25	CHKD:	Huizhou Trxcom Electronics Co., Ltd.		
X:XXX	DR: SEA	TITLE: 10/100/1000Base-T Magnetic Modules For PoE+ Application		
ANGLES ±1°	UNIT: mm	PART NO.: TRC82498ANL		
	SCALE: 2/1	SHEET: 2/4	REV: B	DWG NO.: TRC19051502

# IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2019-05-15	



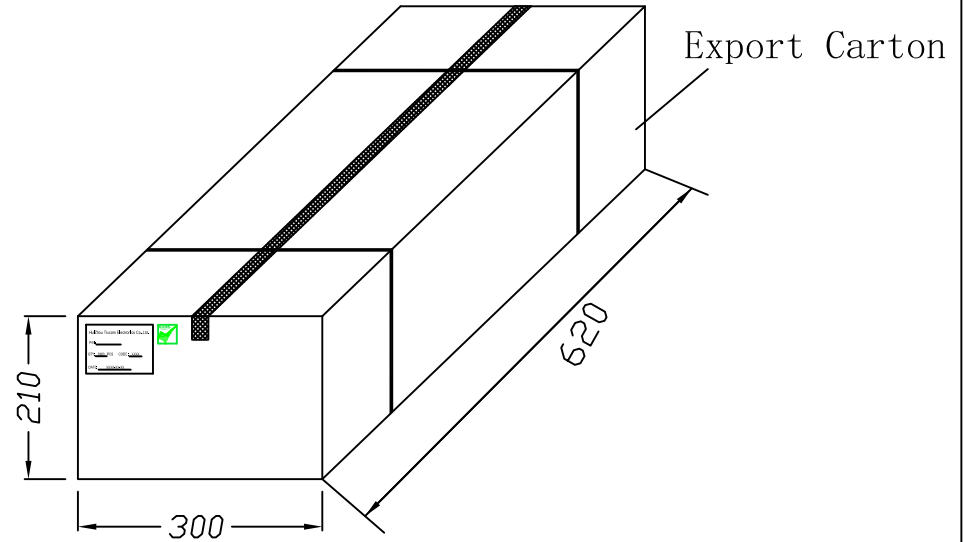
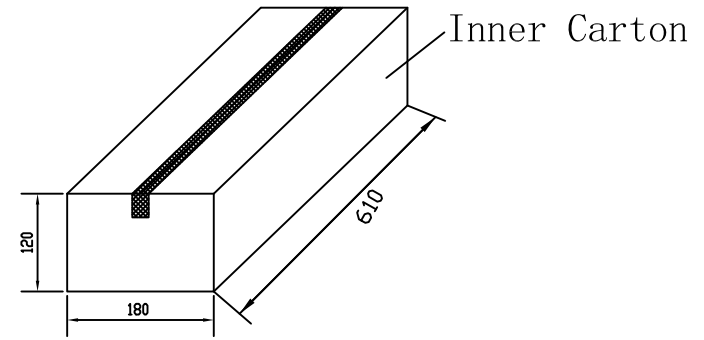
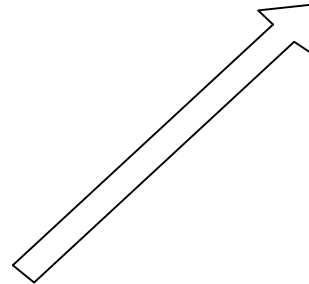
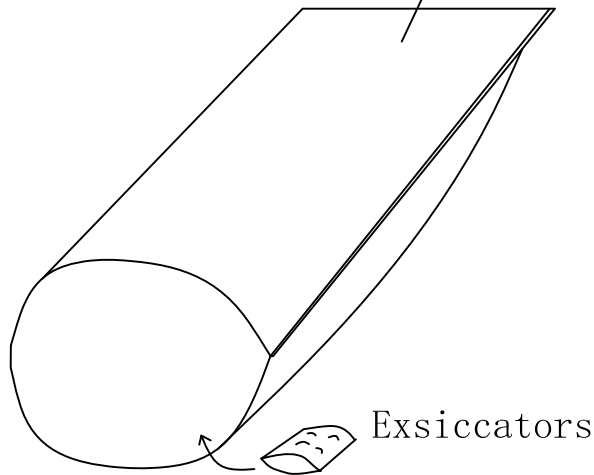
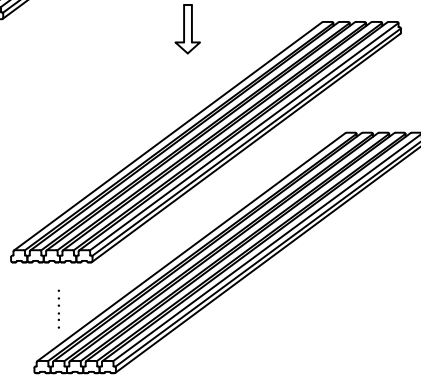
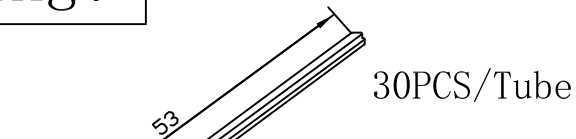
- ◆ Preheat:  
Temperature (Ta-Tb) : 150-200°C  
Time (t1-t2) : 60-180s
- ◆ Holding Temperature: 217°C  
Time (TL) : 60-150s
- ◆ Max Temperature (Tp) : 250 (+0/-5°C)  
Max Time (Tp) : 30s
- ◆ The average speed: 3°C/S Max  
The average cooling speed: 6°C/S Max
- ◆ From 25°C to Products out of the furnace: 6 minutes Max



X:X	APPD:	<b>Trxcom</b> Huizhou Trxcom Electronics Co., Ltd.
X:XX ±0.25	CHKD:	
X:XXX	DR: SEA	TITLE: 10/100/1000Base-T Magnetic Modules For PoE+ Application
ANGLES ±1°	UNIT: mm	PART NO.: TRC82498ANL
	SCALE: 2/1	SHEET: 3/4
	REV: B	DWG NO.: TRC19051502

# Packing:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2019-05-15	



- ◆ 1 Tube = 30PCS
- ◆ 1 Inner Carton = 56Tube = 1680PCS
- ◆ 1 Export Carton = 2 Inner Carton = 3360PCS
- ◆ Net Weight: 15kg
- ◆ Gross Weight: 17kg



X:X	APPD:	<b>Trxcom</b> Huizhou Trxcom Electronics Co., Ltd.
X:XX ±0.25	CHKD:	
X:XXX	DR: SEA	TITLE: 10/100/1000Base-T Magnetic Modules For PoE+ Application
ANGLES ±1°	UNIT: mm	PART NO.: TRC82498ANL
	SCALE: 2/1	SHEET: 4/4
	REV: B	DWG NO.: TRC19051502