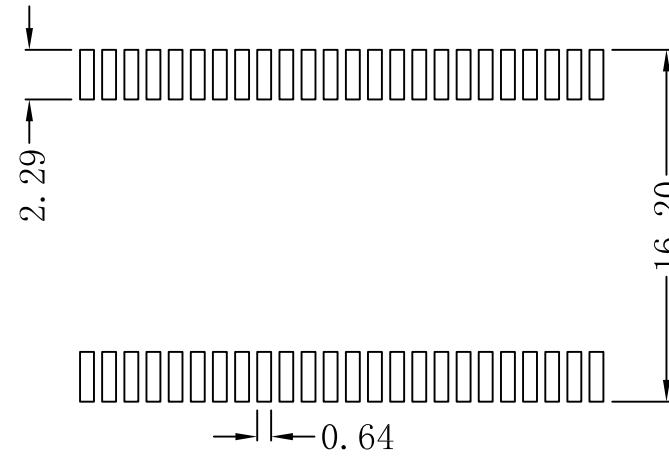
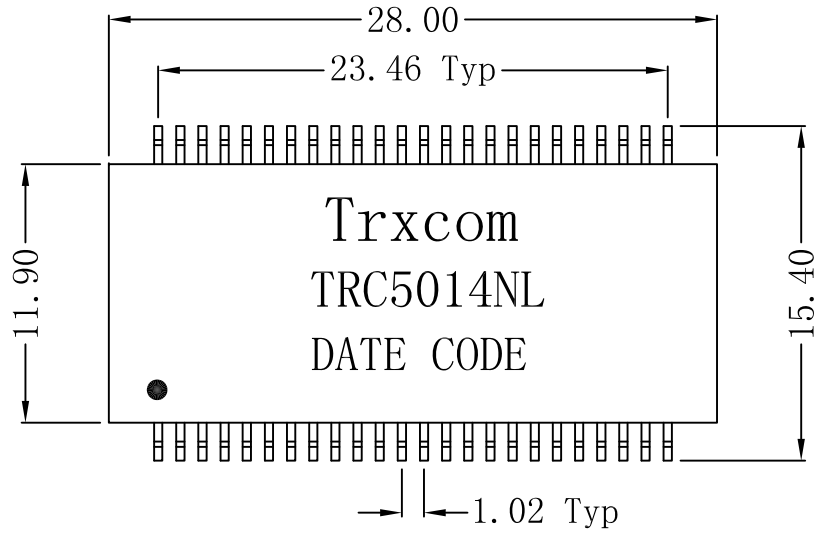
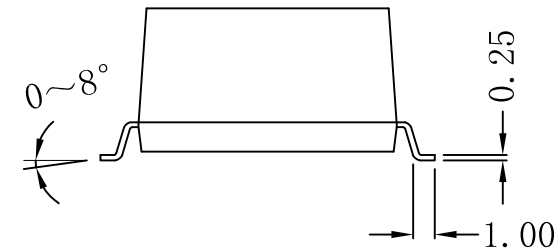
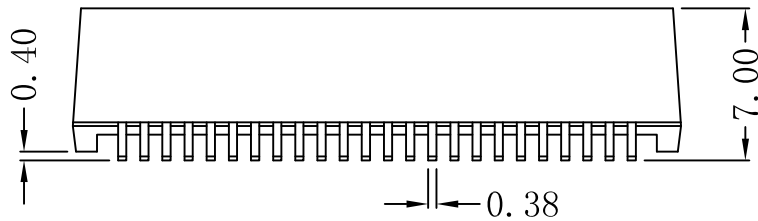
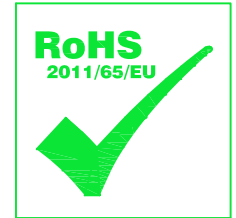


**Mechanical:**

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/06/30	



SUGGESTED PAD LAYOUT



Dimensions: mm

Unless otherwise specified, all tolerances are  $\pm 0.25$

NOTES:

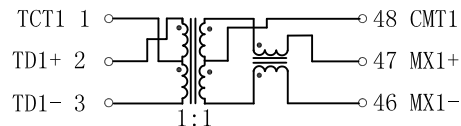
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. With various Turns Ratios.
3. Maximum reflow temperature is 250°C, 5 Sec.
4. UL Certification: File Number E321120.

X:X	APPD:	<b>Trxcom</b>		
X:XX $\pm 0.25$	CHKD:	Huizhou Trxcom Electronics Co., Ltd		
X:XXX	DR: SEA	TITLE: 1000Base-T Magnetic Modules		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: TRC5014NL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC10063001

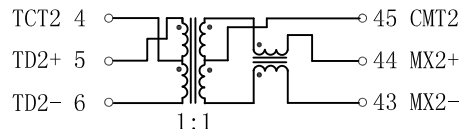
# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/06/30	

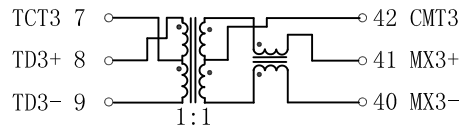
### Channel 1 - Port 1



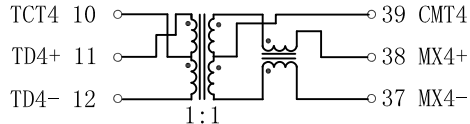
### Channel 2 - Port 1



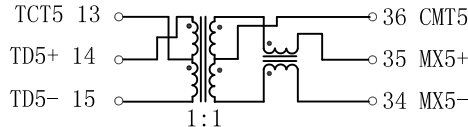
### Channel 3 - Port 1



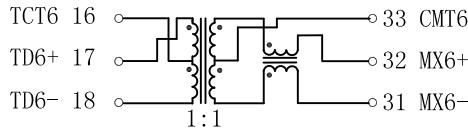
### Channel 4 - Port 1



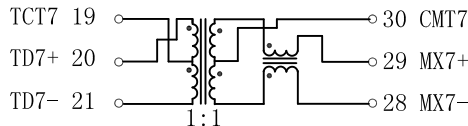
### Channel 1 - Port 2



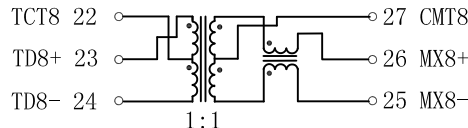
### Channel 2 - Port 2



### Channel 3 - Port 2



### Channel 4 - Port 2



## Electrical Specification @25°C

- Turns Ratio: 1CT : 1CT
- OCL: 350uH Min  
@100KHz, 100mV, 8mADC Bias
- Insertion Loss:  
1-100MHz: -1.4dB Max
- Return Loss (dB Min):  
1-30MHz: -16                      40MHz: -14.4  
50MHz: -13.1                     60-80MHz: -12  
100MHz: -10
- Crosstalk (dB Min):  
30MHz: -43.5                     60MHz: -37.5  
100MHz: -33
- DCMR (dB Min):  
30MHz: -45                        60MHz: -40  
100MHz: -35
- Operating voltage: 3.3-5V.  
Current: 350mA.
- Hipot: 1500Vrms Min
- Operating Temperature: 0°C ~ 70°C.



X:X	APPD:	<b>Trxcom</b>	
X:XX ±0.25	CHKD:	Huizhou Trxcom Electronics Co., Ltd	
X:XXX	DR: SEA	TITLE: 1000Base-T Magnetic Modules	
ANGLES ±1°	UNIT: mm	PART NO.: TRC5014NL	
	SCALE: 2/1	SHEET: 2/2	REV: A      DWG NO.: TRC10063001