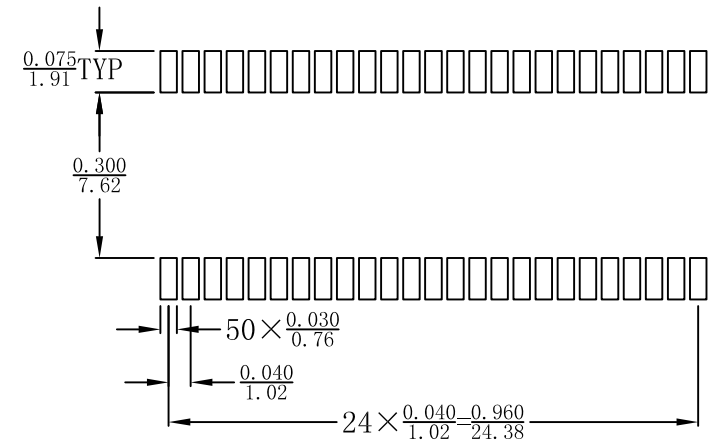
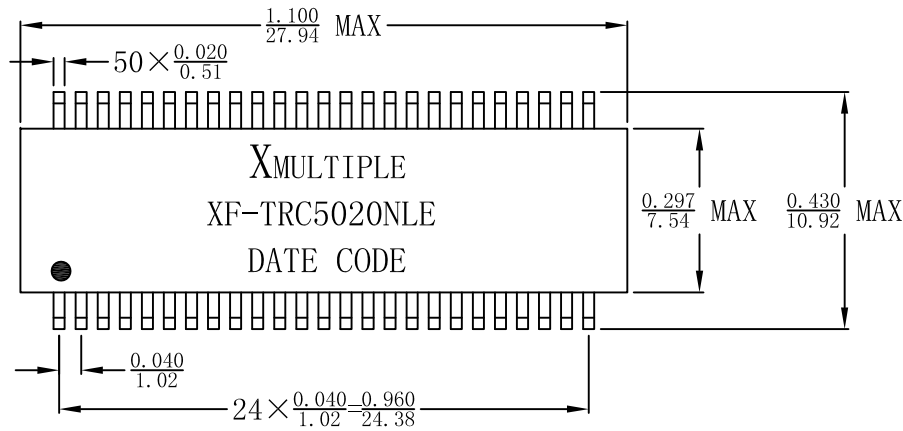
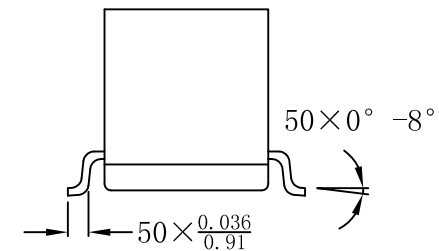
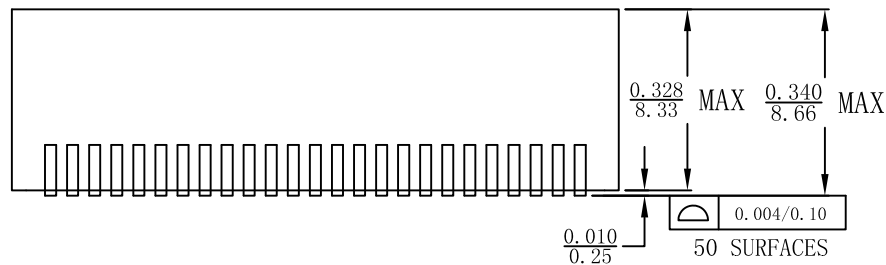


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/07/13	



SUGGESTED PAD LAYOUT



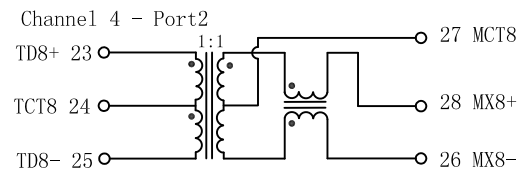
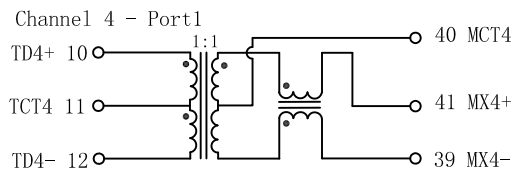
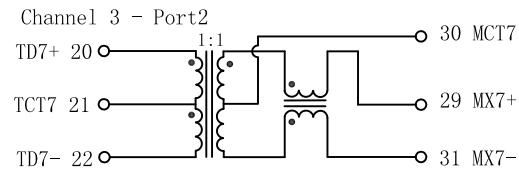
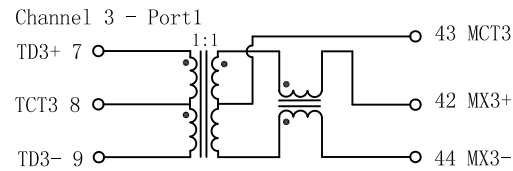
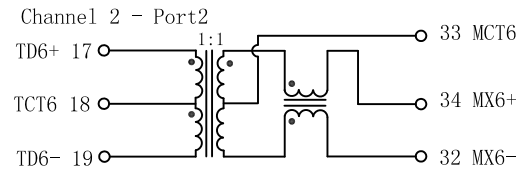
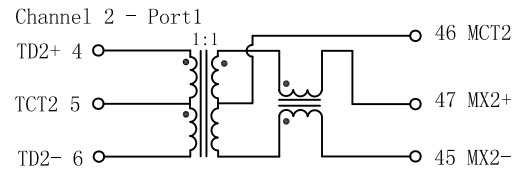
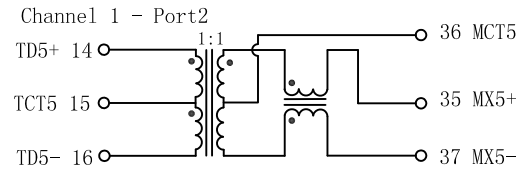
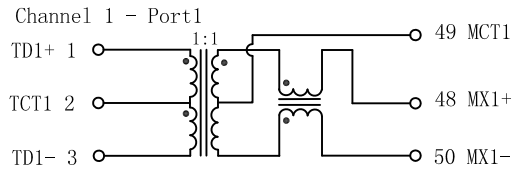
NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. With various Turns Ratios.
3. RoHS "NL" peak solder rating 245°C.

X:X	± 0.30	APPD:	XMULTIPLE
X:XX	± 0.25	CHKD:	
X:XXX	± 0.05	DR: C. H. Y	
ANGLES	$\pm 1^\circ$	UNIT: $\frac{\text{Inches}}{\text{mm}}$	TITLE: 1000Base-T Magnetic Modules
			PART NO.: XF-TRC5020NLE
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.: TRC10071314

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/07/13	



Electrical Specification @25°C

1. Turns Ratio:

PRI:SEC = 1CT:1CT ±2%

2. OCL: 350uH Min

@100KHz, 100mV, 8mADC

3. Insertion Loss:

1-100MHz:-1.0dB Max

4. Return Loss(dB Min):

1-30MHz:-18 40MHz:-14.4
 50MHz:-13.1 60-80MHz:-12
 100MHz:-10

5. Crosstalk(dB Min):

30MHz:-40 60MHz:-33
 100MHz:-28

6. DCMR(dB Min):

30MHz:-40 60MHz:-35
 100MHz:-30

7. Isolation Voltage: 1500V Min

8. Operating Temperature: 0°C~70°C.



X:X	±0.30	APPD:	X MULTIPLE
X:XX	±0.25	CHKD:	
X:XXX	±0.05	DR: C. H. Y	
ANGLES ±1°		UNIT: $\frac{\text{Inches}}{\text{mm}}$	TITLE: 1000Base-T Magnetic Modules
		SHEET: 2/2	PART NO.: XF-TRC5020NLE
		SCALE: 2/1	REV: A
		DWG NO.: TRC10071314	