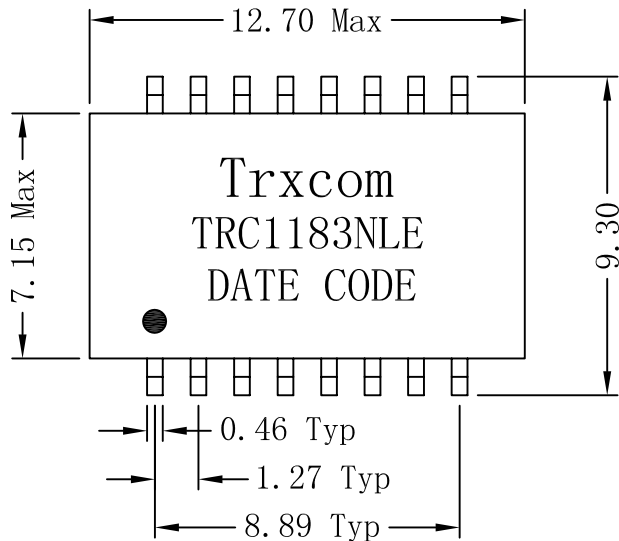
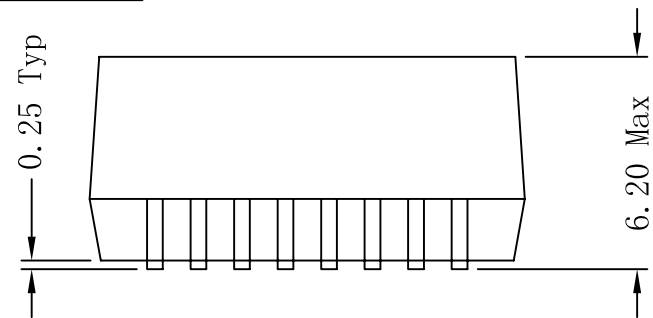


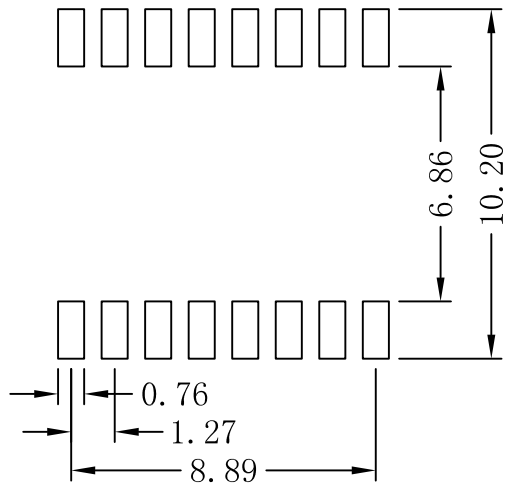
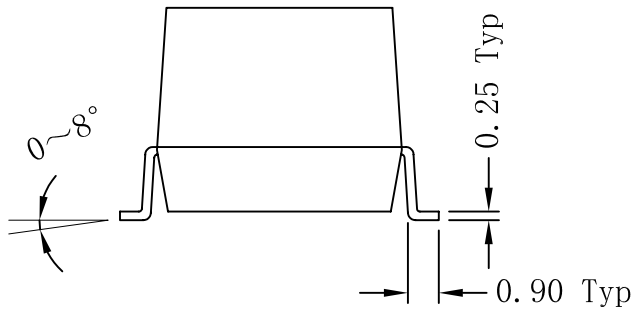
Mechanical:



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 "NLE" peak solder rating 235°C.
- 4. UL certification: file number E321120

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		19/01/2010	

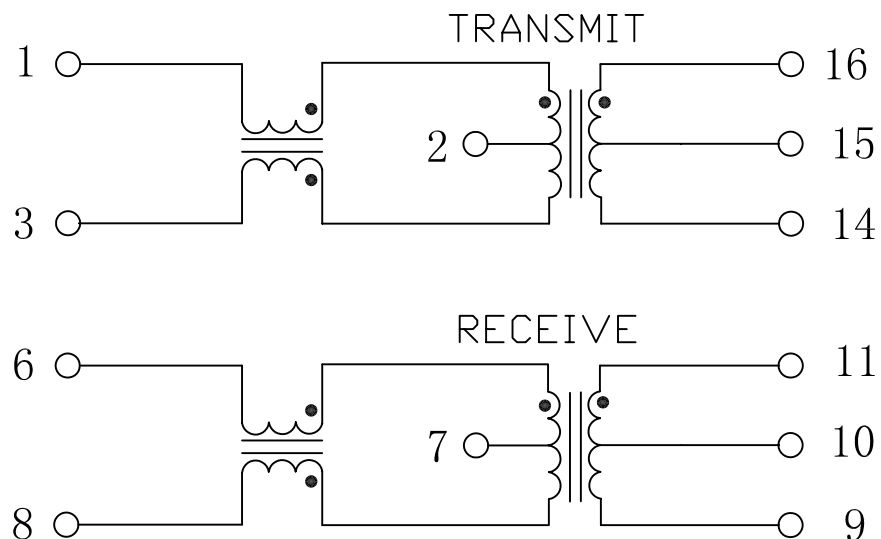


SUGGESTED PAD LAYOUT

Dimensions: mm
Unless otherwise specified, all tolerances are ± 0.25

X:X	APPD:	Trxcom ShenZhen Trxcom Electronics Co., ltd		
X:XX	CHKD:			
X:XXX	DR: C. H. Y	TITLE: 10/100 Base-T Single Port Transformer Modules		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: TRC1183NLE		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC10011905

Schematic:



Electrical Specifications @25°C

1. OCL: 350uH MIN
@100KHz, 0.1Vrms, 8mADC Bias
2. Turns Ratio:
TX=1CT : 1CT RX=1CT : 1CT
3. Insertion Loss:
0.1-100MHz:-1.0dB MAX
4. Return Loss(dB TYP):
30MHz:-18 60MHz:-14
80MHz:-12
5. Crosstalk(dB TYP):
30MHz:-35 60MHz:-35
100MHz:-35
6. DCMR(dB TYP):
30MHz:-40 50MHz:-40
100MHz:-40
7. Isolation Voltage: 1500Vrms MIN
8. Operating Temperature: 0°C~70°C.
- 9: Operating Voltage: 3.3V-5V
Max.Current: 350mA



X:X	APPD:	Trxcom ShenZhen Trxcom Electronics Co.,ltd	
X:XX	CHKD:		
X:XXX	DR: C. H. Y	TITLE: 10/100 Base-T Single Port Transformer Modules	
ANGLES ±1°	UNIT: mm	PART NO.: TRC1183NLE	
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: TRC10011905