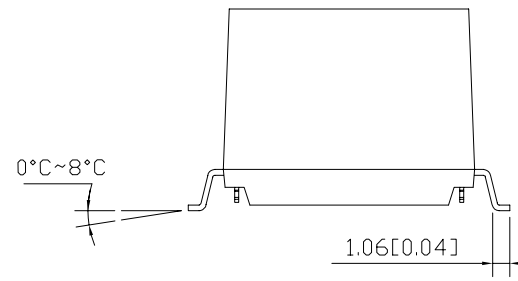
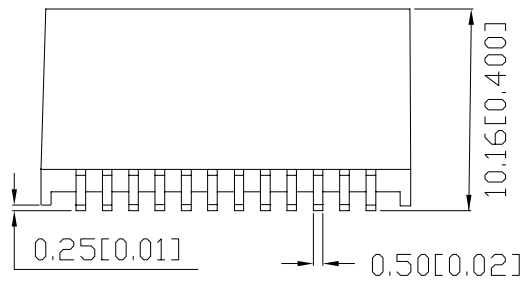
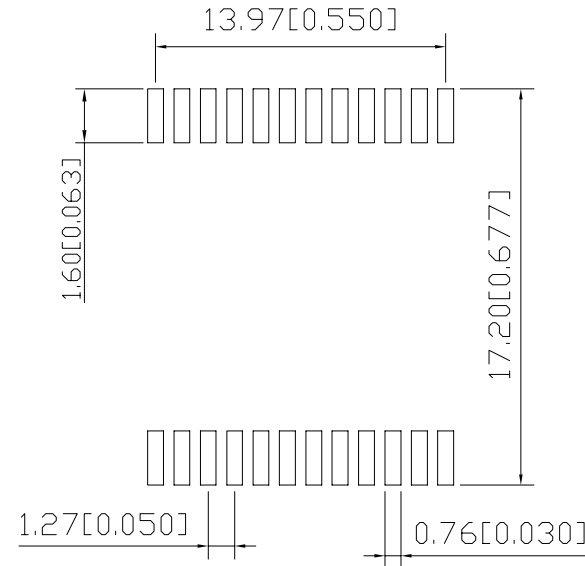
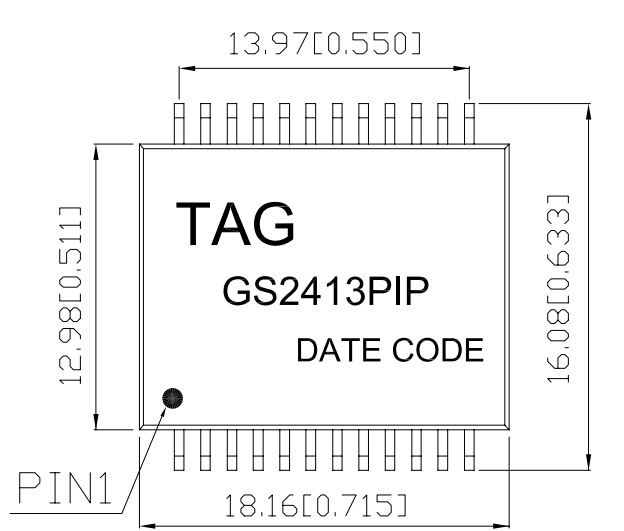


1. MECHANICAL DIMENSIONS :

REV.	CHANGGE DESCRIPTION	DATE
A	New Issue	2013-6-21
B	增加备注部分	2014-5-20



RoHS Compliant

NOTE. DIMENSIONS:MM(INCHES)/UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.25(0.010).

TAG 泰安吉科技(深圳)有限公司 TAG TECHNOLOGY CO., LTD.	A4 SIZE	TAG PART NO.: GS2413PIP	VENDOR PART NO.:		Drawn:	庞盛兰	
					Designed:	Evan	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TAG TECHNOLOGY CO., LTD. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.	THIRD ANGLE PROJECTION	DESCRIPTION: 100/1000 BASE-T TRANSFORMER MODULES	UNIT	mm[inch]	USED ON	Approved:	Paul Li
			SHEET	1 OF 2	REV.	B	Date:

1

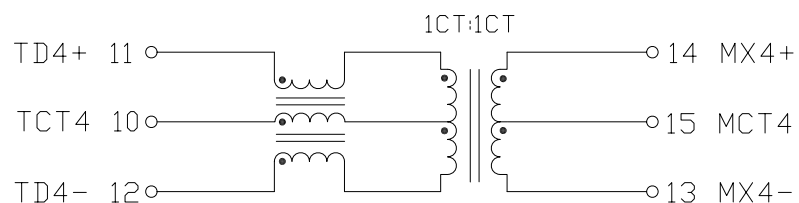
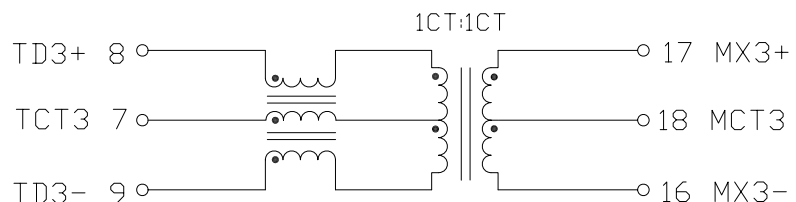
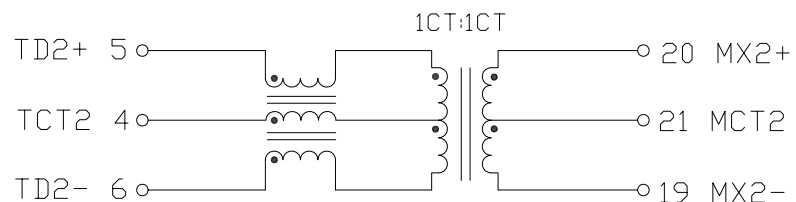
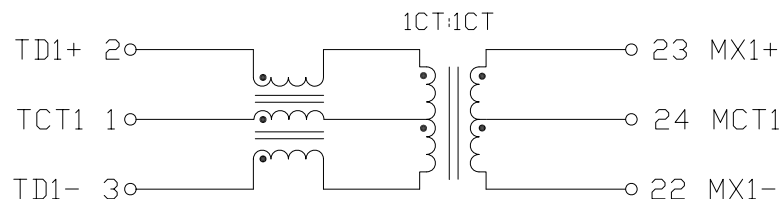
2

3

4

REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2013-6-21
B	增加备注部分	2014-5-20

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:($25^{\circ}\pm 5^{\circ}\text{C}$)

- TR:(100KHz,0.1V); 100%
PINS:(2,3):(23,22)= $1:1\pm 3\%$;(5,6):(20,19)= $1:1\pm 3\%$
PINS:(8,9):(17,16)= $1:1\pm 3\%$;(11,12):(14,13)= $1:1\pm 3\%$
- LX:(100KHz,0.1V,25mA, DC Bias) 100%
PINS:(23,22),(20,19),(17,16),(14,13)=350uH MINIMUM
- DCR: 100%
PINS:(2,3),(5,6),(8,9),(11,12)= 1.2Ω MAXIMUM
- HIPOT: 100%
PINS(2,1,3)TO(23,24,22),(5,4,6)TO(20,21,19)=1500VAC FOR 60 SECONDS
PINS(8,7,9)TO(17,18,16),(11,10,12)TO(14,15,13)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:
-1.2dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
-16dB MINIMUM AT 1MHz TO 30MHz;
-16dB MINIMUM AT 30MHz TO 40MHz;
- $10+20*\text{LOG}_{10}(F/80\text{ MHZ})$ dB MINIMUM AT 40MHz TO 100MHz;
- CROSS TALK:
-50dB MINIMUM AT 1MHz
- $55+22*\text{LOG}_{10}(F/10)$ dB MINIMUM AT 10MHz TO 100MHz
- COMMON MODE REJECTION:
-50dB MINIMUM AT 2MHz;
- $15+20*\text{LOG}_{10}(F/200)$ dB MINIMUM AT 30MHz TO 200MHz;
- 2.5A CURRENT CAPABILITY.
- OPERATING TEMPERATURE -40°C TO $+85^{\circ}\text{C}$

! 注① : LX:(100KHz,0.1V,25mA,DCBias)

RoHS Compliant

TAG 泰安吉科技(深圳)有限公司
TAG TECHNOLOGY CO., LTD.

A4
SIZE

TAG PART NO.:
GS2413PIP

VENDOR PART NO.:

Drawn: 庞盛兰

Designed: Evan

Approved: Paul Li

Date: 2014-5-20

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TAG TECHNOLOGY CO., LTD. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.

THIRD ANGLE
PROJECTION

DESCRIPTION:
100/1000 BASE-T TRANSFORMER MODULES

UNIT	mm[inch]	USED ON
SHEET	2 OF 2	REV. A

1

2

3

4