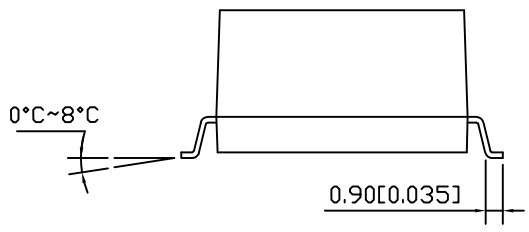
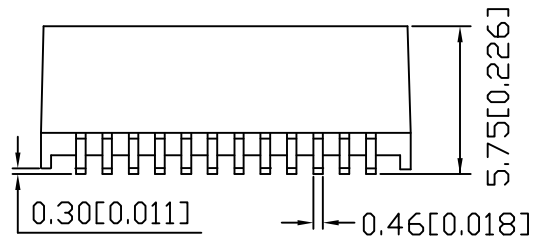
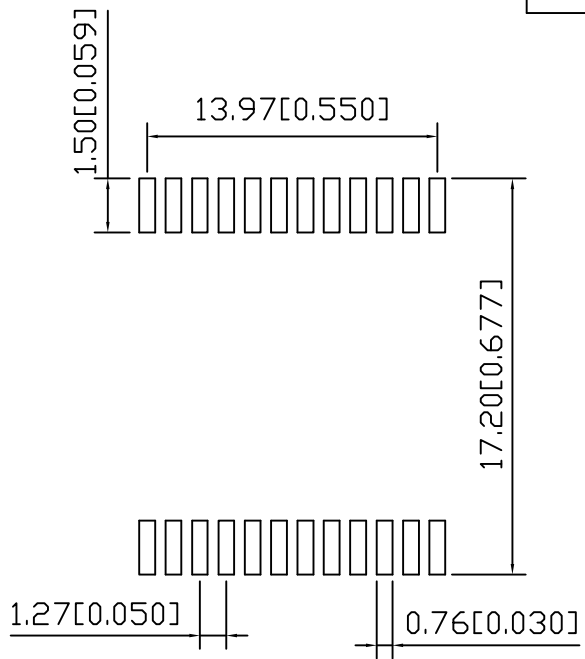
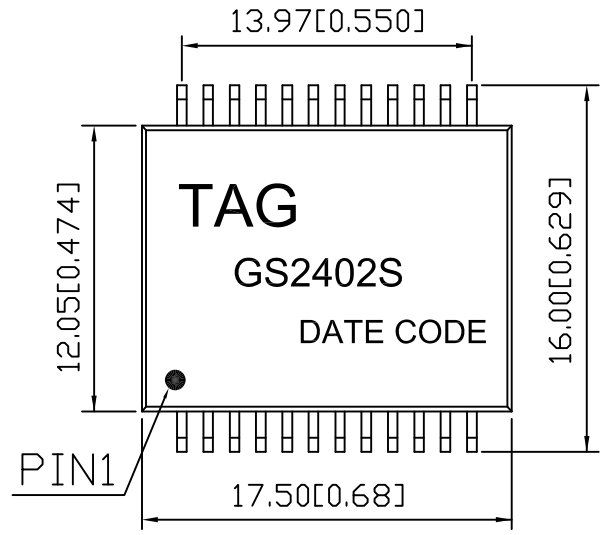


REV.	CHANGGE DESCRIPTION	DATE
01	New Issue	2011-11-28

# 1. MECHANICAL DIMENSIONS :



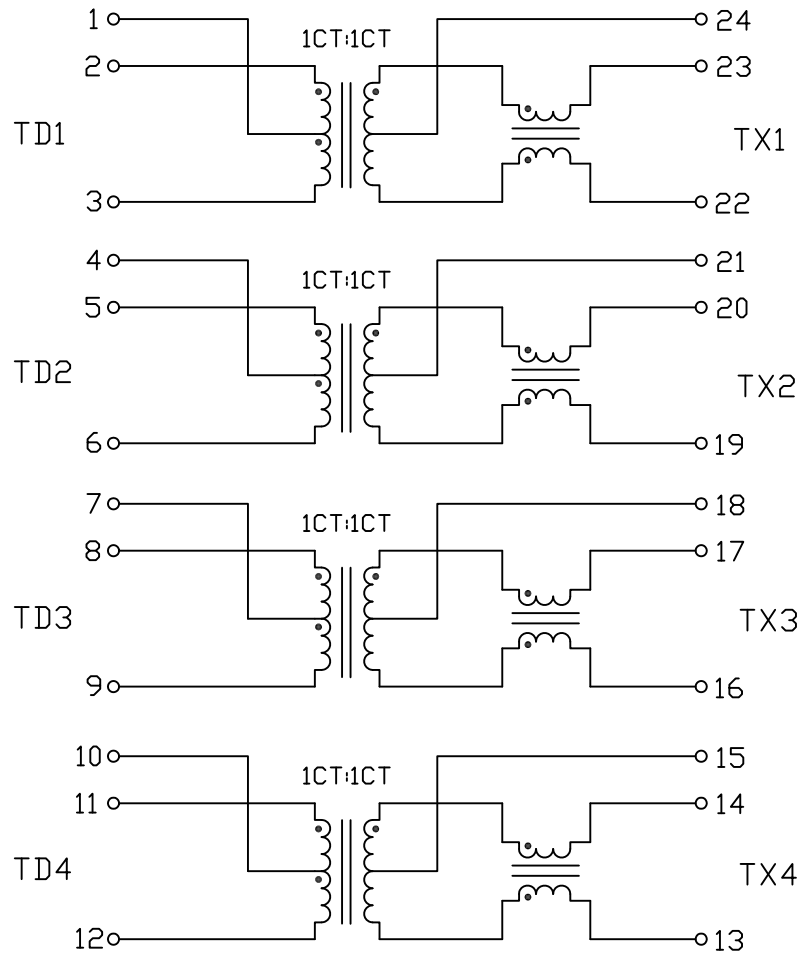
RoHS Compliant

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

<b>TAG</b> 泰安吉科技有限公司 TAG TECHNOLOGY CO., LTD.	<b>A4</b> SIZE	<b>TAG PART NO.:</b> GS2402S	<b>VENDOR PART NO.:</b>		<b>Drawn:</b> Rita
			<b>DESCRIPTION:</b> 100/1000 BASE-T TRANSFORMER MODULES		<b>Designed:</b> Evan
<small>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.</small>	<b>THIRD ANGLE PROJECTION</b>	<b>UNIT</b> mm[inch]	<b>USED ON</b>	<b>Approved:</b> Paul Li	<b>Date:</b> 2011-11-28
				<b>SHEET</b> 1 OF 2	<b>REV.</b> 01

REV.	CHANGGE DESCRIPTION	DATE
01	New Issue	2011-11-28

## 2. SCHEMATIC:



RoHS Compliant

## 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,8mA, DC Bias) 100%  
PINS:(2,3),(5,6),(8,9),(11,12)=350uH MINIMUM
- DCR: 100%  
PINS:(23,22),(20,19),(17,16),(14,13)= $1.2\Omega$  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:  
-1.1dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:  
-18dB MINIMUM AT 1MHz TO 30MHz;  
-14.4dB MINIMUM AT 30MHz TO 40MHz;  
-13.1dB MINIMUM AT 40MHz TO 50MHz;  
-12dB MINIMUM AT 60MHz TO 80MHz;  
-10dB MINIMUM AT 80MHz TO 100MHz;
- CROSS TALK:  
-45dB MINIMUM AT 1MHz TO 30MHz  
-35dB MINIMUM AT 30MHz TO 60MHz  
-30dB MINIMUM AT 80MHz TO 100MHz
- DIFFERENTIAL TO COMMON MODE REJECTION:  
-43dB MINIMUM AT 1MHz TO 30MHz;  
-37dB MINIMUM AT 30MHz TO 60MHz;  
-33dB MINIMUM AT 60MHz TO 100MHz;
- OPERATING TEMPERATURE  $0^{\circ}\text{C}$  TO  $70^{\circ}\text{C}$

**TAG**

泰安吉科技有限公司  
TAG TECHNOLOGY CO., LTD.

A4  
SIZE

TAG PART NO.:  
GS2402S

VENDOR PART NO.:

Drawn: Rita

Designed: Evan

Approved: Paul Li

Date: 2011-11-28

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.

01