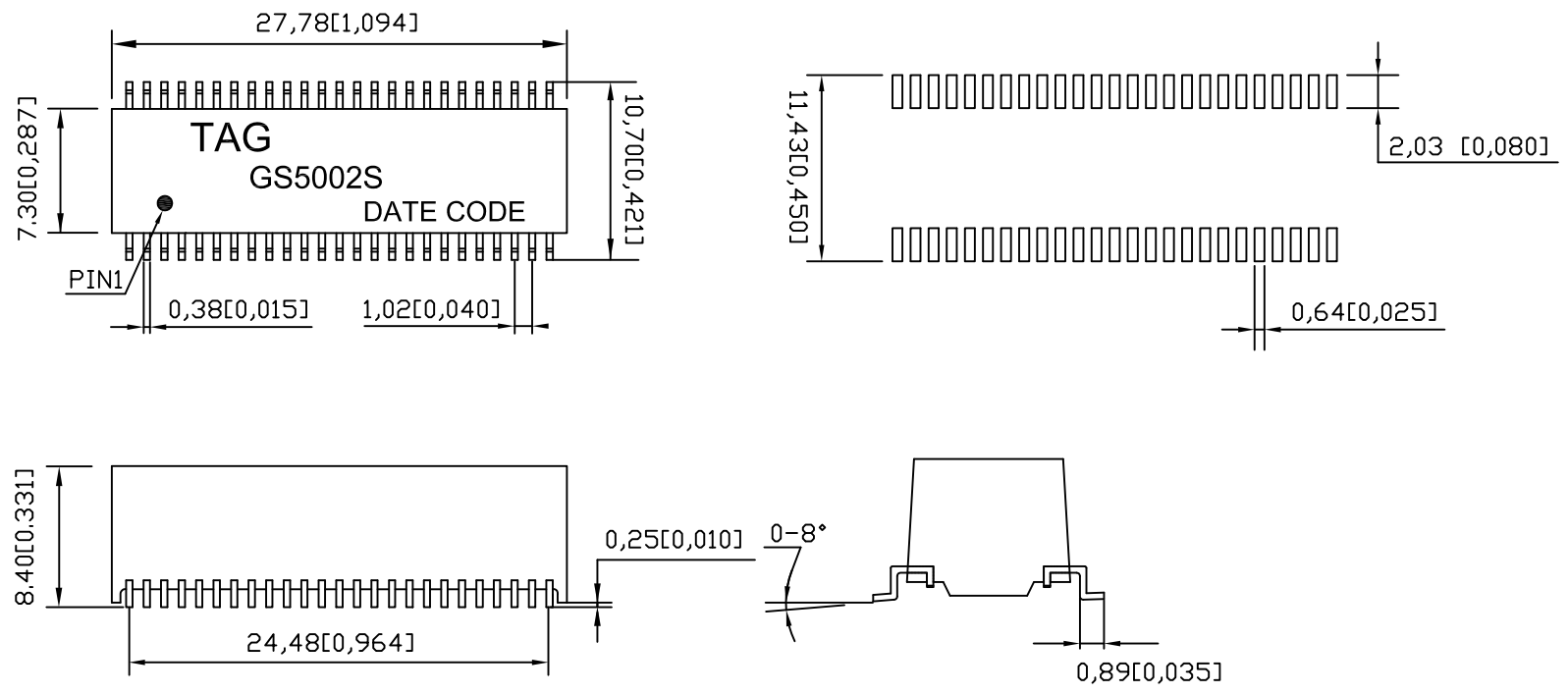


REV.	CHANGGE DESCRIPTION	DATE
A	New Issue	2011-9-19
B	尺寸公差由0.254改为0.500	2014-6-16

1. MECHANICAL DIMENSIONS :



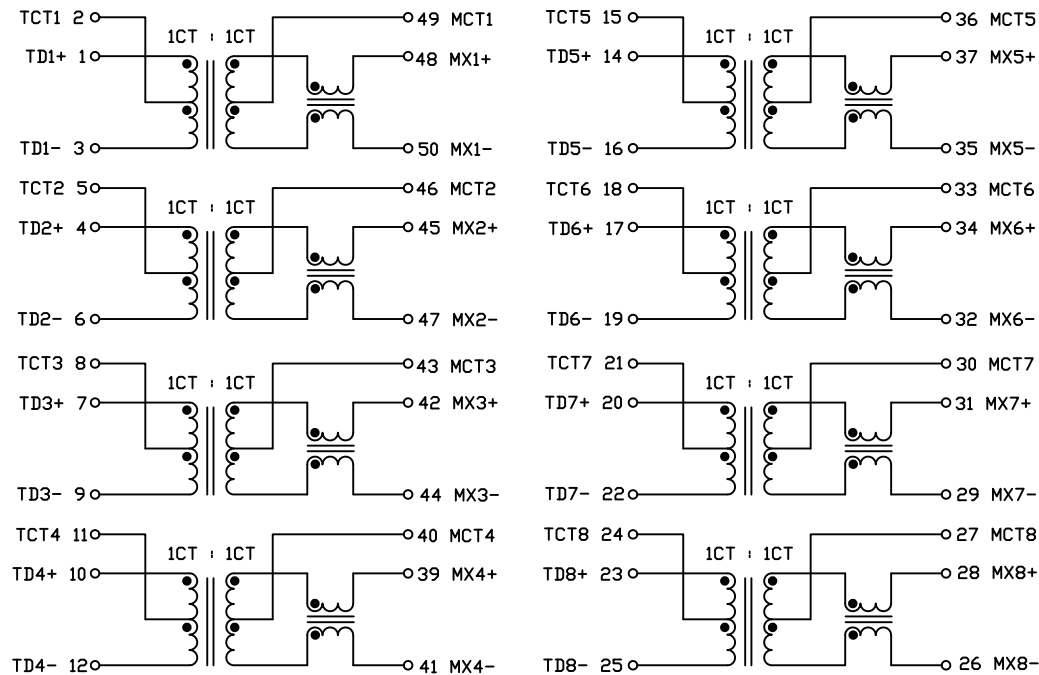
RoHS Compliant

NOTE. DIMENSIONS:MM(INCHES)/UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.50(0.020).

泰安吉科技有限公司 TAG TECHNOLOGY CO., LTD.	A4 SIZE	TAG PART NO.: GS5002S	VENDOR PART NO.:			Drawn:	Rita			
			UNIT	mm[inch]	USED ON	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 APPARATUSSES OR DEVICES WITHOUT PERMISSION.	THIRD ANGLE PROJECTION	DESCRIPTION: 100/1000 BASE-T TRANSFORMER MODULES	SHEET	1	OF	2	REV.	B	Approved:	Paul Li
			Date:	2014-6-16						

REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2011-9-19
B	尺寸公差由0.254改为0.500	2014-6-16

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V) ; 100%
PINS:(1,3):(48,50)=1:1±3%;(4,6):(45,47)=1:1±3%
PINS:(7,9):(42,44)=1:1±3%;(10,12):(39,41)=1:1±3%
PINS:(14,16):(37,35)=1:1±3%;(17,19):(34,32)=1:1±3%
PINS:(20,22):(31,29)=1:1±3%;(23,25):(28,26)=1:1±3%
- LX:(100KHz, 0.1V, 8mA, DC Bias) ; 100%
PINS:(1,3),(4,6),(7,9),(10,12),(14,16),(17,19),(20,22),(23,25)=350uH MINIMUM
- DCR ; 100%
PINS:(48,50),(45,47)(42,44),(39,41),(37,35),(34,32),(31,29),(28,26)=1.4Ω MAXIMUM
- HIPOT ; 100%
PINS:(1,2,3)TD(48,49,50),(4,5,6)TD(45,46,47)=1500VAC FOR 60 SECONDS
PINS:(7,8,9)TD(42,43,44),(10,11,12)TD(39,40,41)=1500VAC FOR 60 SECONDS
PINS:(14,15,16)TD(37,36,35),(17,18,19)TD(34,33,32)=1500VAC FOR 60 SECONDS
PINS:(20,21,22)TD(31,30,29),(23,24,25)TD(28,27,26)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:
-1.1dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
-18dB MINIMUM AT 1MHz TO 40MHz;
-14dB MINIMUM AT 40MHz TO 60MHz;
-12dB MINIMUM AT 60MHz TO 80MHz;
-10dB MINIMUM AT 80MHz TO 100MHz;
- CROSS TALK
-40dB MINIMUM AT 1MHz TO 30MHz;
-35dB MINIMUM AT 30MHz TO 60MHz;
-30dB MINIMUM AT 60MHz TO 100MHz;
- COMMON TO COMMON MADE REJECTION:
-40dB MINIMUM AT 1MHz TO 100MHz;
- OPERATING TEMPERATURE 0°C to 70°C

RoHS Compliant

TAG 泰安吉科技有限公司
TAG TECHNOLOGY CO., LTD.

A4
SIZE

TAG PART NO.:
GS5002S

VENDOR PART NO.:

Drawn: Rita

Designed: Evan

Approved: Paul Li

Date: 2014-6-16

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DESCRIPTION:

100/1000 BASE-T TRANSFORMER MODULES

UNIT mm[Inch]

USED ON

SHEET 2 OF 2

REV. B