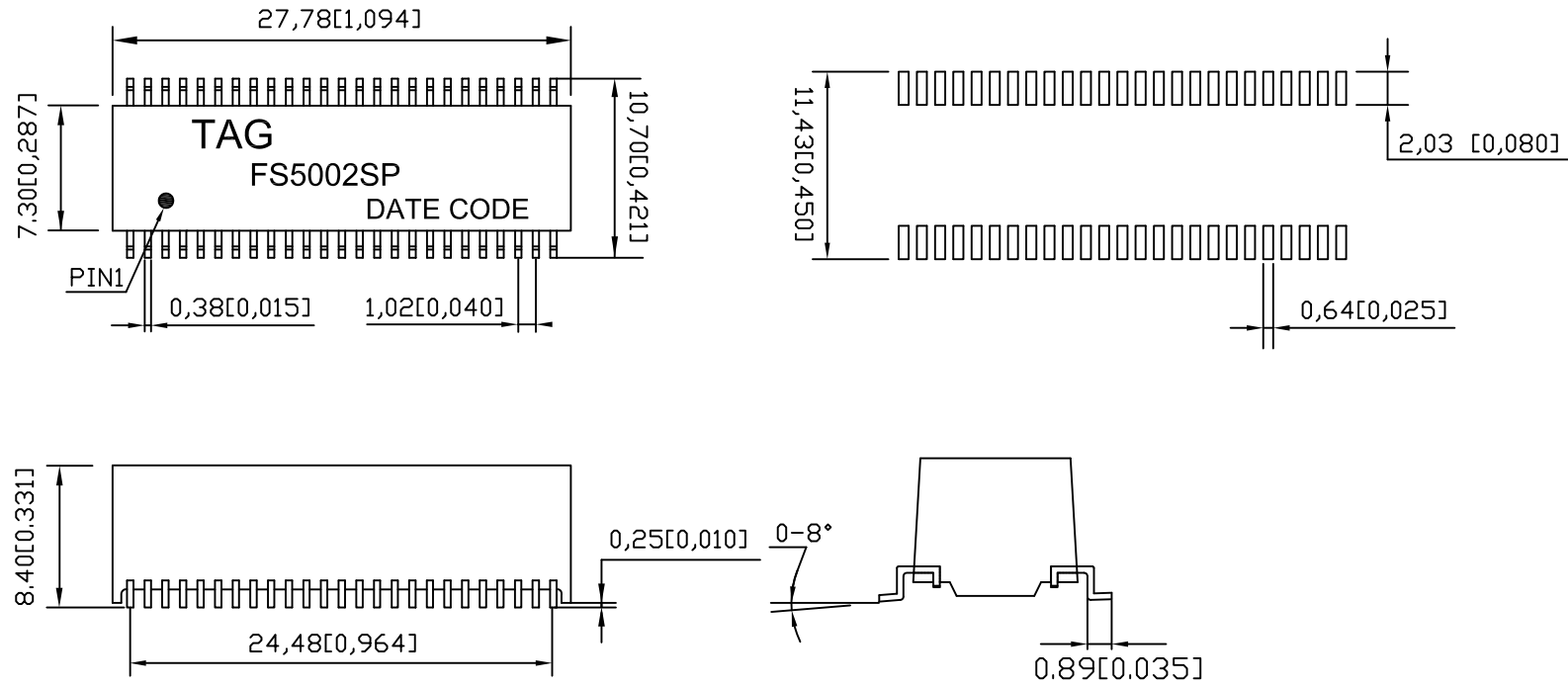


REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2015-2-28

1. MECHANICAL DIMENSIONS :



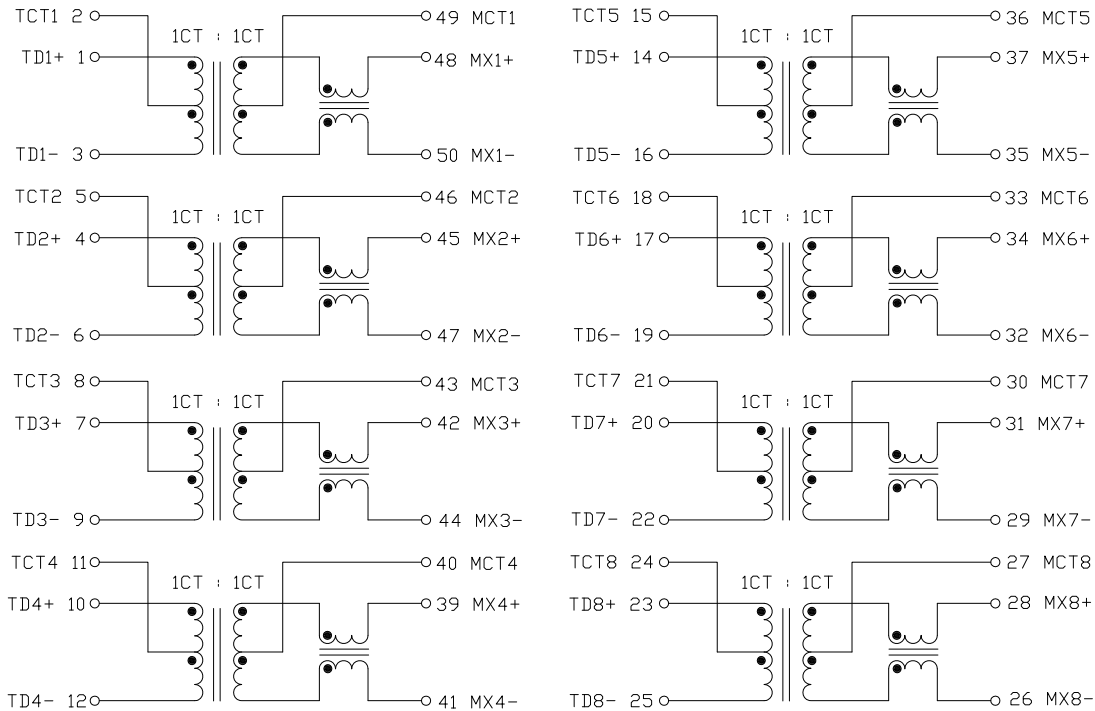
RoHS Compliant

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.: FS5002SP	VENDOR PART NO.:		Drawn:	Rita
					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: 2.5G BASE-T TRANSFORMER MODULES	UNIT	mm[inch]	USED ON	Approved: Paul Li Date: 2015-2-28
			SHEET	1	OF	

REV.	CHANGGE DESCRIPTION	DATE
A	New Issue	2015-2-28

2. SCHEMATIC:



 注① : 2.5G BASE-T TRANSFORMER MODULES

RoHS Compliant

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,100mV,1mA, DC Bias); 100%
PINS:(1,3),(4,6),(7,9),(10,12),(14,16),(17,19),(20,22),(23,25)=150uH MINIMUM
- DCR; 100%
PINS:(48,50),(45,47)(42,44),(39,41),(37,35),(34,32),(31,29),(28,26)=1.2Ω MAXIMUM
- HIPDT; 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:
-1.0dB MAXIMUM AT 1MHz TO 100MHz;
-1.5dB MAXIMUM AT 100MHz TO 125MHz;
-2.5dB MAXIMUM AT 125MHz TO 250MHz;
- RETURN LOSS:
-16dB MINIMUM AT 1MHz TO 40MHz;
-10dB MINIMUM AT 40MHz TO 100MHz;
-6dB MINIMUM AT 100MHz TO 125MHz;
- CROSS TALK
-30dB MINIMUM AT 1MHz TO 100MHz;
-25dB MINIMUM AT 100MHz TO 125MHz;
- COMMON TO COMMON MADE REJECTION:
-30dB MINIMUM AT 1MHz TO 100MHz;
-25dB MINIMUM AT 100MHz TO 125MHz;
- 720mA CURRENT CAPABILITY.
- OPERATING TEMPERATURE 0°C to +70°C

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

A4
SIZE

TAG PART NO.:
FS5002SP

VENDOR PART NO.:

Drawn: Rita

Designed: Evan

Approved: Paul Li

Date: 2015-2-28

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DESCRIPTION:

2.5G BASE-T TRANSFORMER MODULES

UNIT mm[inch]

USED ON

SHEET 2 OF 2

REV. A