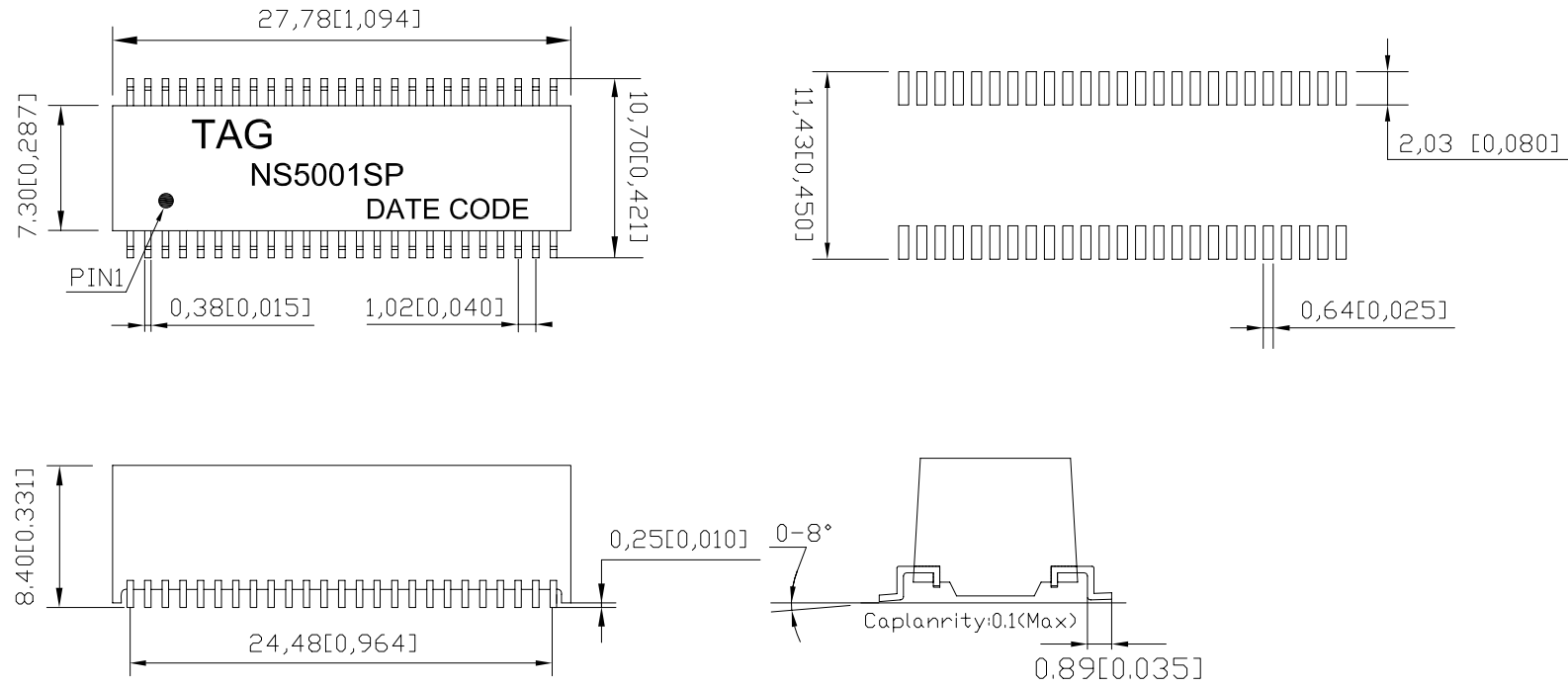


REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2018-8-28

1. MECHANICAL DIMENSIONS :



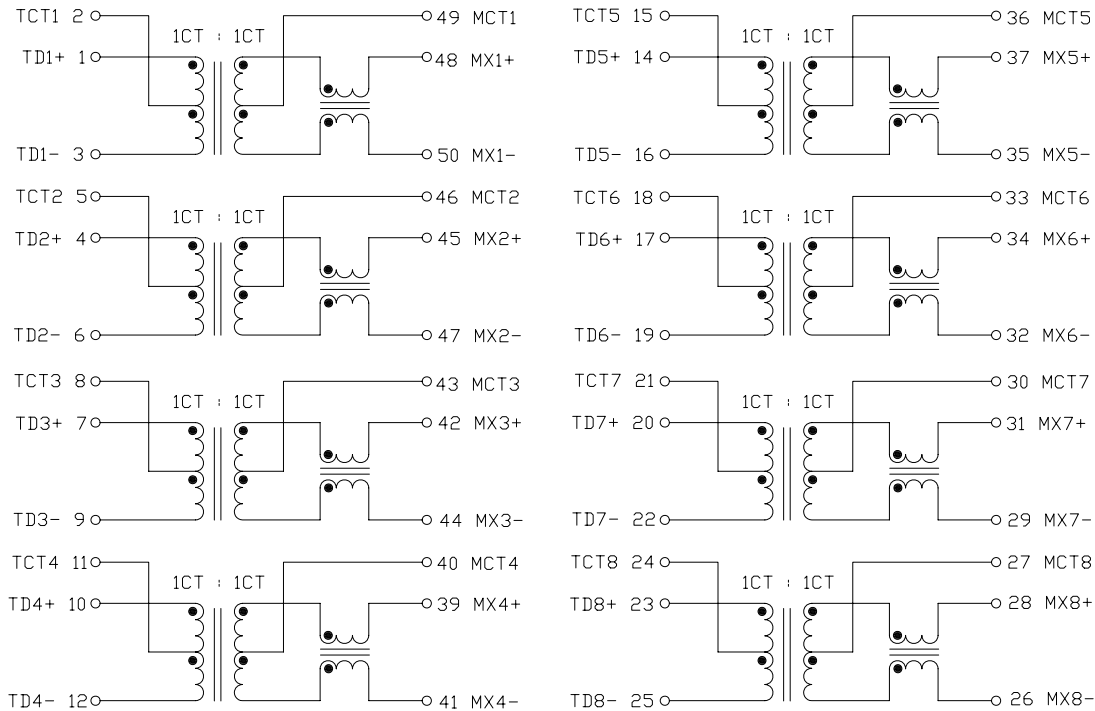
RoHS Compliant

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

TAG 億客科技股份有限公司 ECO TECH CO., LTD.	A4 SIZE	TAG PART NO.:	VENDOR PART NO.:		Drawn:	Karen		
		NS5001SP			Designed:	Deane		
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:	UNIT	mm[inch]	USED ON	Approved:	Paul Li	
		10G BASE-T TRANSFORMER MODULES	SHEET	1	OF	2	REV.	A

REV.	CHANGE DESCRIPTION	DATE
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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,100mV); 100%
 PINS:(1,3),(4,6),(7,9),(10,12),(14,16),(17,19),(20,22),(23,25)=140uH MINIMUM
- DCR; 100%
 PINS:(48,50),(45,47),(42,44),(39,41),(37,35),(34,32),(31,29),(28,26)=0.8Ω 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:
 -1.0dB Max AT 1MHz TO 50MHz
 -1.5dB Max AT 50MHz TO 200MHz
 -2.0dB Max AT 200MHz TO 400MHz
 -3.0dB Max AT 400MHz TO 500MHz
- RETURN LOSS:
 -18dB Min AT 1MHz
 -13dB Min AT 2MHz TO 100MHz
 -10dB Min AT 100MHz TO 200MHz
 -7dB Min AT 200MHz TO 400MHz
 -6dB Min AT 400MHz TO 500MHz
- Cross Talk:
 -30dB Min AT 1MHz TO 100MHz
 -18dB Min AT 100MHz TO 500MHz
- 720mA CURRENT CAPABILITY.
- OPERATING TEMPERATURE 0°C to 70°C

RoHS Compliant

TAG 億客科技股份有限公司
 ECO TECH CO., LTD.

A4
 SIZE

TAG PART NO.:
 NS5001SP

VENDOR PART NO.:

Drawn: Karen

Designed: Deane

Approved: Paul Li

Date: 2018-8-28

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DESCRIPTION:

10G BASE-T TRANSFORMER MODULES

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