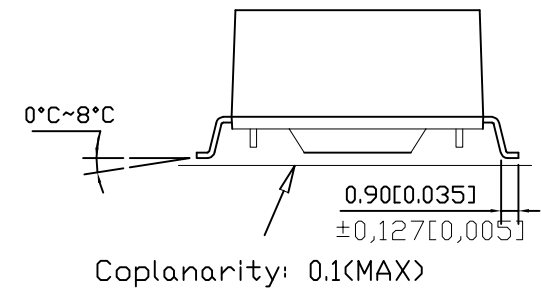
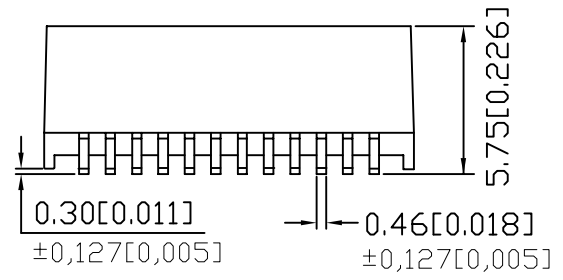
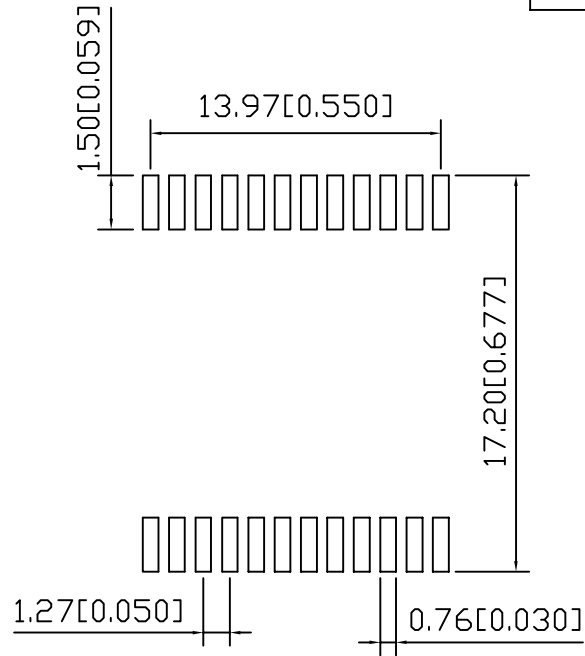
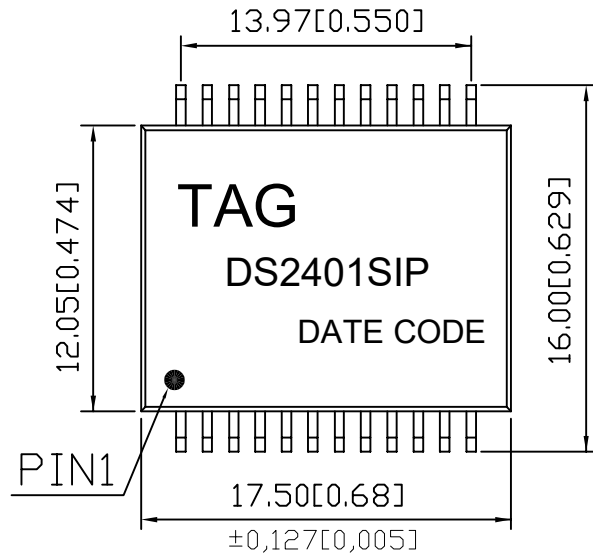


1. MECHANICAL DIMENSIONS :

REV.	CHANGGE DESCRIPTION	DATE
A	New Issue	2017-6-2

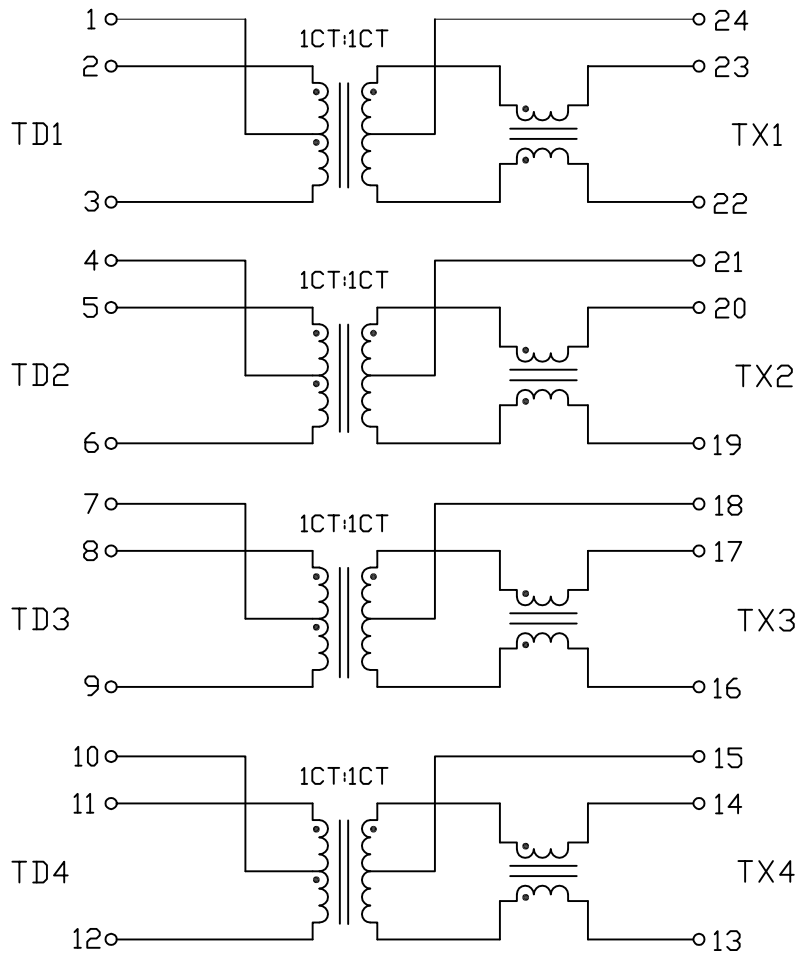


RoHS Compliant

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:	Zhang Xue
		DS2401SIP			Designed:	Yang Tian
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 APPARATUS OR DEVICES WITHOUT PERMISSION.	THIRD ANGLE PROJECTION	DESCRIPTION:	UNIT	USED ON	Approved:	Deane
		2.5/5G BASE-T TRANSFORMER MODULES	mm[inch]		Date:	2017-6-2
		SHEET	1 OF 2	REV.	A	

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

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

- TR:(100KHz,0.1V); 100%
PINS:(2,3):(23,22)= $1:1 \pm 3\%$;(5,6):(20,19)= $1:1 \pm 2\%$
PINS:(8,9):(17,16)= $1:1 \pm 3\%$;(11,12):(14,13)= $1:1 \pm 2\%$
- LX:(100KHz,0.1V) 100%
PINS:(2,3),(5,6),(8,9),(11,12)=180uH MINIMUM
- DCR: 100%
PINS:(23,22),(20,19),(17,16),(14,13)= 1.0Ω MAXIMUM
- HIPOT: 100%
PINS(2,1,3)TO(23,24,22),(5,4,6)TO(20,21,19)=1500Vrms FOR 60 SECONDS
PINS(8,7,9)TO(17,18,16),(11,10,12)TO(14,15,13)=1500Vrms FOR 60 SECONDS
- INSERTION LOSS:
-1.0dB MAXIMUM AT 1MHz TO 100MHz;
-2.0dB MAXIMUM AT 100MHz TO 250MHz;
- RETURN LOSS:
-20dB MINIMUM AT 1MHz TO 40MHz;
-15.02dB MINIMUM AT 40MHz TO 100MHz;
-12.47dB MINIMUM AT 100MHz TO 160MHz;
-10.05dB MINIMUM AT 160MHz TO 250MHz;
- CROSS TALK
-35dB MINIMUM AT 1MHz TO 100MHz;
-30dB MINIMUM AT 100MHz TO 250MHz;
- COMMON MODE REJECTION RATIO
-35dB MINIMUM AT 1MHz TO 100MHz;
-30dB MINIMUM AT 100MHz TO 250MHz;
- Complying IEEE 802.3at standard. 720mA current capability.
- OPERATING TEMPERATURE -40°C TO $+85^\circ\text{C}$

RoHS Compliant

TAG

億客科技股份有限公司
ECO TECH CO., LTD.

A4
SIZE

TAG PART NO.:
DS2401SIP

VENDOR PART NO.:

Drawn: Zhang Xue

Designed: Yang Tian

Approved: Deane

Date: 2017-6-2

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DESCRIPTION:
2.5/5G BASE-T TRANSFORMER MODULES

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