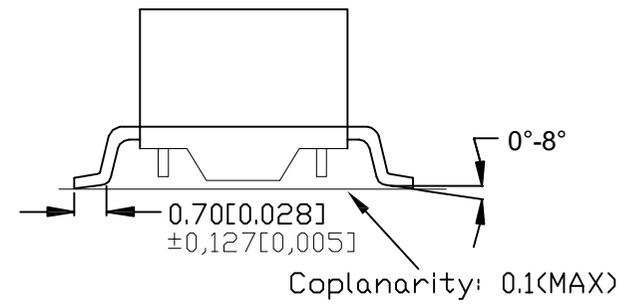
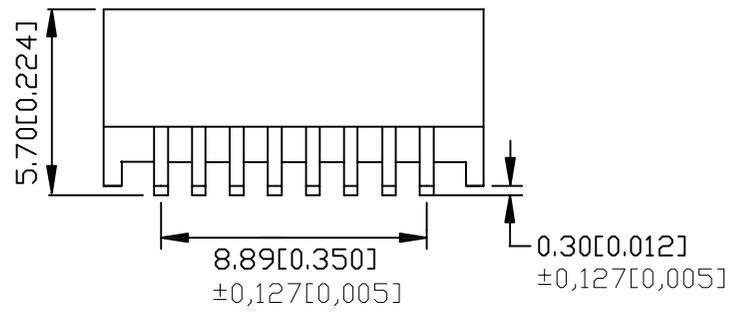
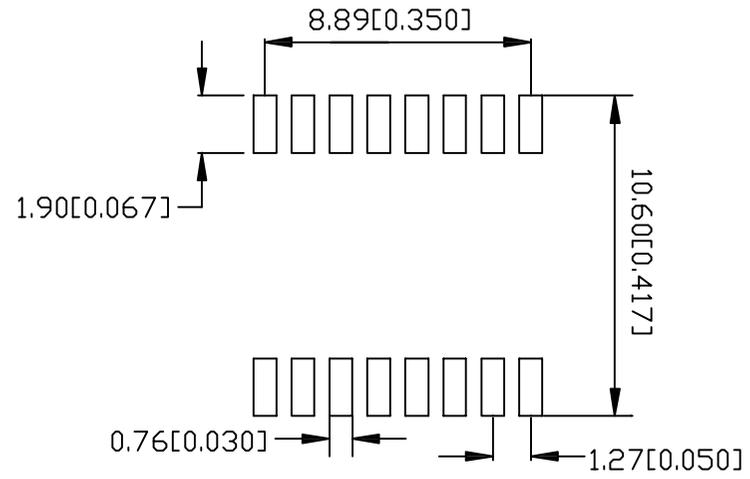
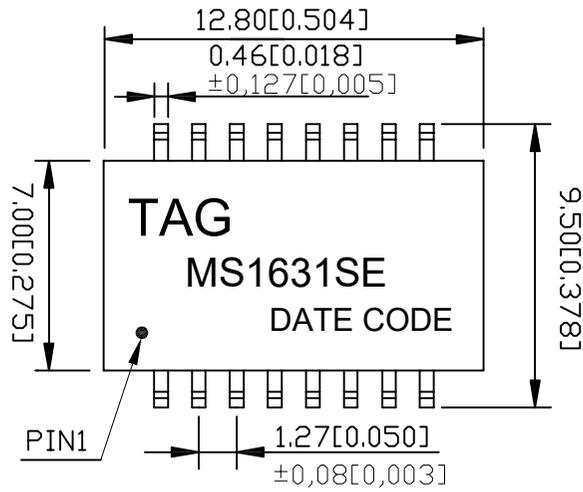


# 1. MECHANICAL DIMENSIONS :

REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2018-5-11

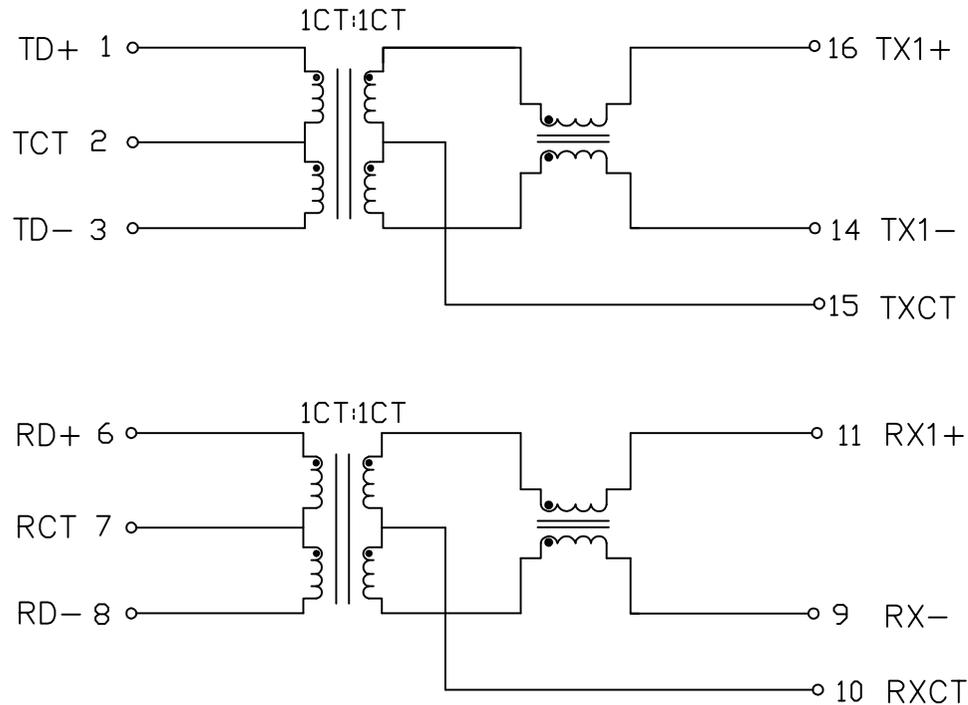


RoHS Compliant

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

億客科技股份有限公司 ECO TECH CO., LTD.	A4 SIZE	TAG PART NO.: MS1631SE	VENDOR PART NO.:		Drawn: Zhang Xue
			UNIT mm[inch]	USED ON	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: 10/100 BASE-T TRANSFORMER MODULES	SHEET 1 OF 2	REV. A	Approved: Deane
			DATE: 2018-5-11		

## 2. SCHEMATIC:



## 3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

1. TR:(100KHz,0.1V)  
PINS:(1,3):(16,14)=1:1±3%;(6,8):(11,9)=1:1±3%
2. LX:(100KHz,0.1V,8mA, DC Bias)  
PINS:(1,3):(6,8)=350uH MINIMUM
3. DCR  
PINS:(16,14),(11,9)=1.2Ω MAXIMUM
4. HIPOT:  
PINS:(1,2,3)TO PINS:(16,15,14)=1500VAC FOR 60 SECONDS  
PINS:(6,7,8)TO PINS:(11,10,9)=1500VAC FOR 60 SECONDS
5. INSERTION LOSS:  
-1.1dB MAXIMUM AT 0.3MHz TO 100MHz
6. RETURN LOSS:  
-16dB MINIMUM AT 1MHz TO 30MHz  
-16dB MINIMUM AT 30MHz TO 40MHz  
-14.1dB MINIMUM AT 40MHz TO 50MHz  
-12.5dB MINIMUM AT 50MHz TO 60MHz  
-10dB MINIMUM AT 60MHz TO 80MHz
7. CROSS TALK:  
-35.8dB MINIMUM AT 1MHz TO 30MHz  
-30.8dB MINIMUM AT 30MHz TO 60MHz  
-28dB MINIMUM AT 60MHz TO 100MHz
8. COMMON MODE REJECTION:  
-40dB MINIMUM AT 0.3MHz TO 30MHz  
-35dB MINIMUM AT 30MHz TO 60MHz  
-30dB MINIMUM AT 80MHz TO 100MHz
9. OPERATING TEMPERATURE -40°C TO +125°C.

RoHS Compliant

**TAG** 億客科技股份有限公司  
ECO TECH CO., LTD.

A4  
SIZE

TAG PART NO.:  
MS1631SE

VENDOR PART NO.:

Drawn: Zhang Xue

Designed: Yang Tian

Approved: Deane

Date: 2018-5-11

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DESCRIPTION:

10/100 BASE-T TRANSFORMER MODULES

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