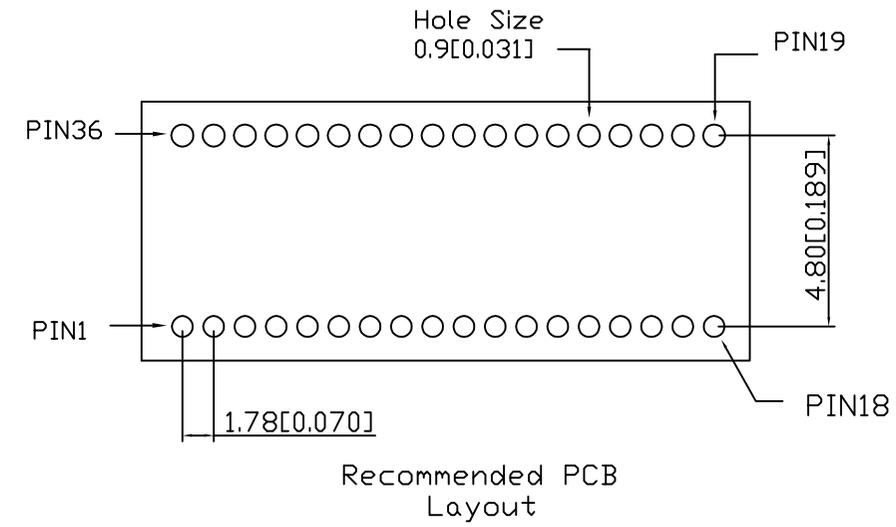
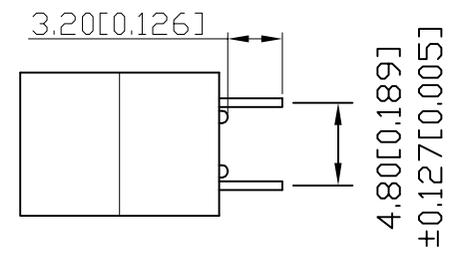
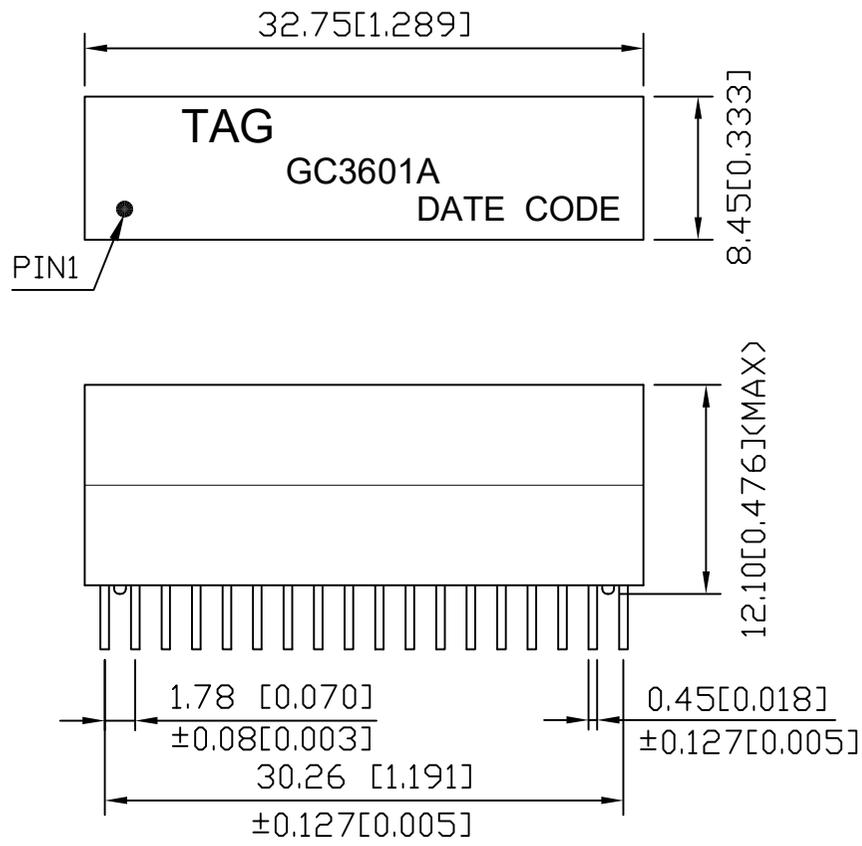


1. MECHANICAL DIMENSIONS :

REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2011-9-9
B	增加PCB Layout图	2016-5-19
C	变更外壳长由32.6改为32.75、宽8.3改为8.45、PIN宽0.50改为0.45	2022-11-2



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

ROHS
Compliant

TAG 億客科技股份有限公司
ECO TECH CO., LTD.

A4
SIZE

TAG PART NO.:
GC3601A

VENDOR PART NO.:

Drawn: Zhang Xue

Designed: Yang Tian

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DESCRIPTION:
100/1000 BASE-T TRANSFORMER MODULES

UNIT mm[inch]

USED ON

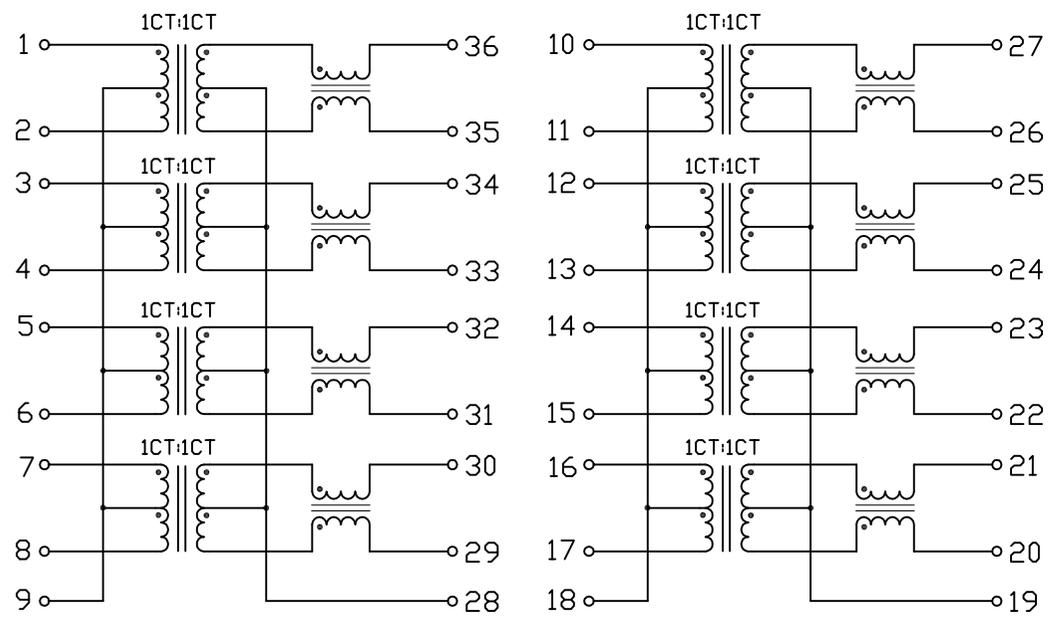
Approved: Deane

SHEET 1 OF 2

REV. C

Date: 2022-11-2

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25±5°C)

- TR:(100KHz,0.1V); 100%
 PINS:(1,2)<(36,35)=1±3%;(3,4)<(34,33)=1±3%
 PINS:(5,6)<(32,31)=1±3%;(7,8)<(30,29)=1±3%
 PINS:(10,11)<(27,26)=1±3%;(12,13)<(25,24)=1±3%
 PINS:(14,15)<(23,22)=1±3%;(16,17)<(21,20)=1±3%
- LX:(100KHz,0.1V,8mA, DC Bias) 100%
 PINS:(1,2),(3,4),(5,6),(7,8)=350uH MINIMUM
 PINS:(10,11),(12,13),(14,15),(16,17)=350uH MINIMUM
- DCR: 100%
 PINS:(36,35),(34,33),(32,31),(30,29)=1.2Ω MAXIMUM
 PINS:(27,26),(25,24),(23,22),(21,20)=1.2Ω MAXIMUM
- HIPOT: 100%
 PINS(1,9,2)TD(36,28,35),(3,9,4)TD(34,28,33)=1500VAC FOR 60 SECONDS
 PINS(5,9,6)TD(32,28,31),(7,9,8)TD(30,28,29)=1500VAC FOR 60 SECONDS
 PINS(10,18,11)TD(27,19,26),(12,18,13)TD(25,19,24)=1500VAC FOR 60 SECONDS
 PINS(14,18,15)TD(23,19,22),(16,18,17)TD(21,19,20)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:
 -1.0dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
 -18dB MINIMUM AT 1MHz TO 30MHz;
 -14.4dB MINIMUM AT 30MHz TO 40MHz;
 -13.1dB MINIMUM AT 40MHz TO 50MHz;
 -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
- CMRR:
 -40dB MINIMUM AT 1MHz TO 30MHz;
 -35dB MINIMUM AT 30MHz TO 60MHz;
 -30dB MINIMUM AT 60MHz TO 100MHz;
- OPERATING TEMPERATURE 0°C TO 70°C

RoHS Compliant

ROHS Compliant

TAG 億客科技股份有限公司
 ECO TECH CO., LTD.

A4 SIZE TAG PART NO.: GC3601A

VENDOR PART NO.:		Drawn:	Zhang Xue
		Designed:	Yang Tian
		Approved:	Deane
		Date:	2022-11-2

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DESCRIPTION:
 100/1000 BASE-T TRANSFORMER MODULES

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