

BOURNS (DONGGUAN) ELECTRONICS CO., LTD

SPECIFICATION FOR APPROVAL

CUSTOMER: TI

AGENCY: -----

CUSTOMER P/N: ----- CUSTOMER REV.: -----

BOURNS P/N.: ----- BOURNS REV.: 02

PRODUCT NAME: LLC TRANSFORMER PROJECT No.: MAG-3001499

DESCRIPTION: TRANSFORMER

FILE No.: BD3RD-R3220 RELEASED DATE: 5-Dec-2023

11-Mar-2024

POSITION	SIGNATURE	DATE
DE	Zed Wang	11-Mar-2024
ME	Yunyang Huang	11-Mar-2024
CHECKED	Alex Deng	11-Mar-2024
APPROVED	Xianming Tan	11-Mar-2024
BOURNS CACHET		

SIGNATURE	
NAME	
POSITION	
DATE	
CUSTOMER CACHET	





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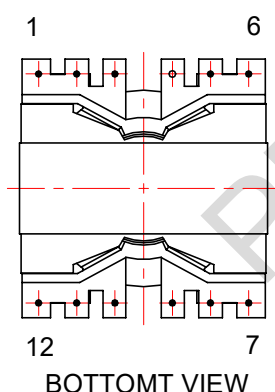
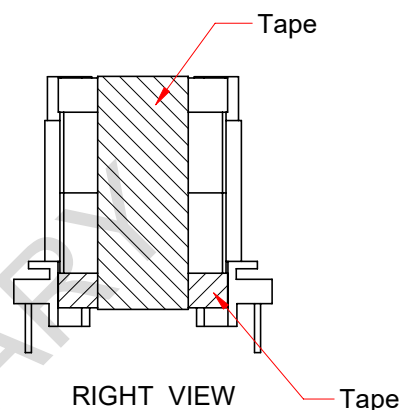
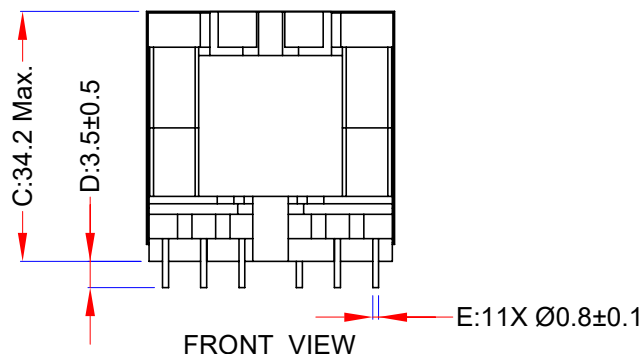
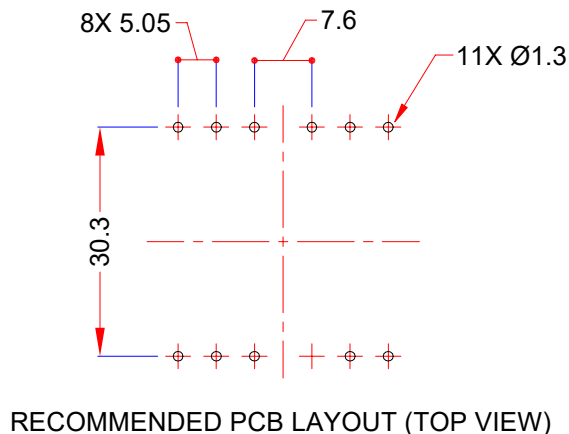
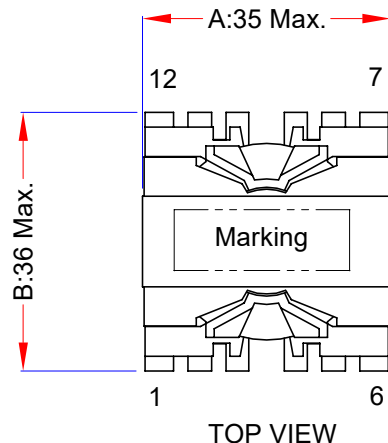
AMENDMENT RECORD

Rev.	Reason For Change	Details	Approved by	Approved Date
01	The First Submittal	---	Xianming Tan	5-Dec-2023
02	CUSTOMER REQUEST	Change the turns of NS1 and NS2 from 6Ts to 4Ts	Xianming Tan	11-Mar-2024

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 BOURNS (DONGGUAN) ELECTRONICS CO., LTD			PRODUCT NAME: LLC TRANSFORMER		 	
TOLERANCE (UNLESS OTHERWISE SPECIFIED)		SCALE: NTS.	PROJECT NO.: MAG-3001499	CUSTOMER: TI		
0<L<5:±0.1 5<L<16:±0.3 16<L<50:±0.5	ANGLE: ±1°		CUSTOMER P/N: -----			REV.: -----
			PAGE NO.: 1 OF 5	BOURNS P/N: -----		REV.: 02

1. DIMENSIONS (mm):



REMARKS

1. Remove Pin4.
2. Cover the bottom of the core with tape.

MARKING

BOURNS
BXXXXXXXXX
YYWW X R

BXXXXXXXXX --- Part number
YY --- Year
WW --- Week
X --- Day

Day	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
Code	A	B	C	D	E	F	G

R --- Revision

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BOURNS®

BOURNS (DONGGUAN) ELECTRONICS CO., LTD

PRODUCT NAME:

LLC TRANSFORMER



CUSTOMER:

TI

CUSTOMER P/N:

REV.: -----

BOURNS P/N:

REV.: 02

TOLERANCE
(UNLESS OTHERWISE SPECIFIED)

SCALE:

NTS.

PROJECT NO.:

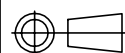
MAG-3001499

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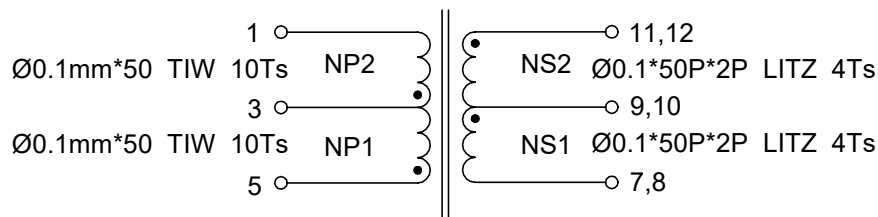
2 OF 5

0<L<5:±0.1
5<L<16:±0.3
16<L<50:±0.5

ANGLE:
±1°



2. SCHEMATIC:



● Means the same polarity

3. ELECTRICAL CHARACTERISTIC: At 25 °C

NO.	ITEM	TERMINAL	ELECTRICAL CHARACTERISTICS	TOL	TEST METERS/ CONDITION	REMARKS
1	INDUCTANCE	5-1	200 μ H	$\pm 10\%$	WK-3260B/100kHz, 1V	
2	DC RESISTANCE	5-1	75m Ω	Max	CH-502AC	
		11,12-7,8	22m Ω			
3	TURNS RATIO	Np1:Np2 :Ns1:Ns2	10:10:4:4	$\pm 5\%$	WK-3260B/20kHz, 1V	
4	HI-POT	Np1,Np2 TO Core	500Vac, 1sec	No Breakdown	CH-19053/50Hz,5mA Max.	
		Np1,Np2 TO Ns1,Ns2	3500Vac, 1sec			

4. NOTES:

- 4.1 Operation Temperature: -40°C to +125°C (Including temperature rise)
- 4.2 Storage Temperature for part in packaging: -40°C to +85°C
- 4.3 The dimension determined from the terminal pins is derived from the pin material alone. It does not include, or factor in, solder deposits or icicles from the manufacturing processes.
- 4.4 Appearance inspection reference to general cosmetics standard (Prototype and engineering samples are not included)

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TOLERANCE (UNLESS OTHERWISE SPECIFIED)	SCALE: NTS.	PROJECT NO.: MAG-3001499	CUSTOMER: TI		
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PAGE NO.: 3 OF 5					



Industrial, Consumer

Prototype Product / Sample Disclaimer and Limitation of Liability

Bourns® part number: -----

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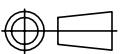
Prototype or sample could be a product manufactured *prior to* completion of the Start of Production and execution of the Approval notice. It is important for you to understand that these prototypes or samples are not intended for resale or for any purpose other than testing and qualification. A prototype or sample that has been used for destructive qualification tests may not be used any further except for engineering analysis.

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			BOURNS P/N: -----		REV.: 02

DEVIATIONS

ITEM	Description	Customer Specified	Our Change	Reason	Approval

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<div><div>BOURNS®</div><div>BOURNS (DONGGUAN) ELECTRONICS CO., LTD</div></div>			PRODUCT NAME: <div>LLC TRANSFORMER</div>		<div><div>RoHS COMPLIANT</div><div></div></div>
TOLERANCE (UNLESS OTHERWISE SPECIFIED)		SCALE: <div>NTS.</div>	PROJECT NO.: <div>MAG-3001499</div>	CUSTOMER: <div>TI</div>	
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			BOURNS P/N: <div>-----</div>		REV.: <div>02</div>