BOURNS

SPECIFICATION FOR APPROVAL

Title	Double Boost Inductor			
Reference Design	TIDA-010938			
Bourns Part Number	145451	Rev	X1	
Customer				
Customer Part Number		Rev		

Designed			
Drawn	MD	07/Aug/2024	(1)
Checked			
Approved			

Customer Approval

Name	
Position	
Date	

D6754

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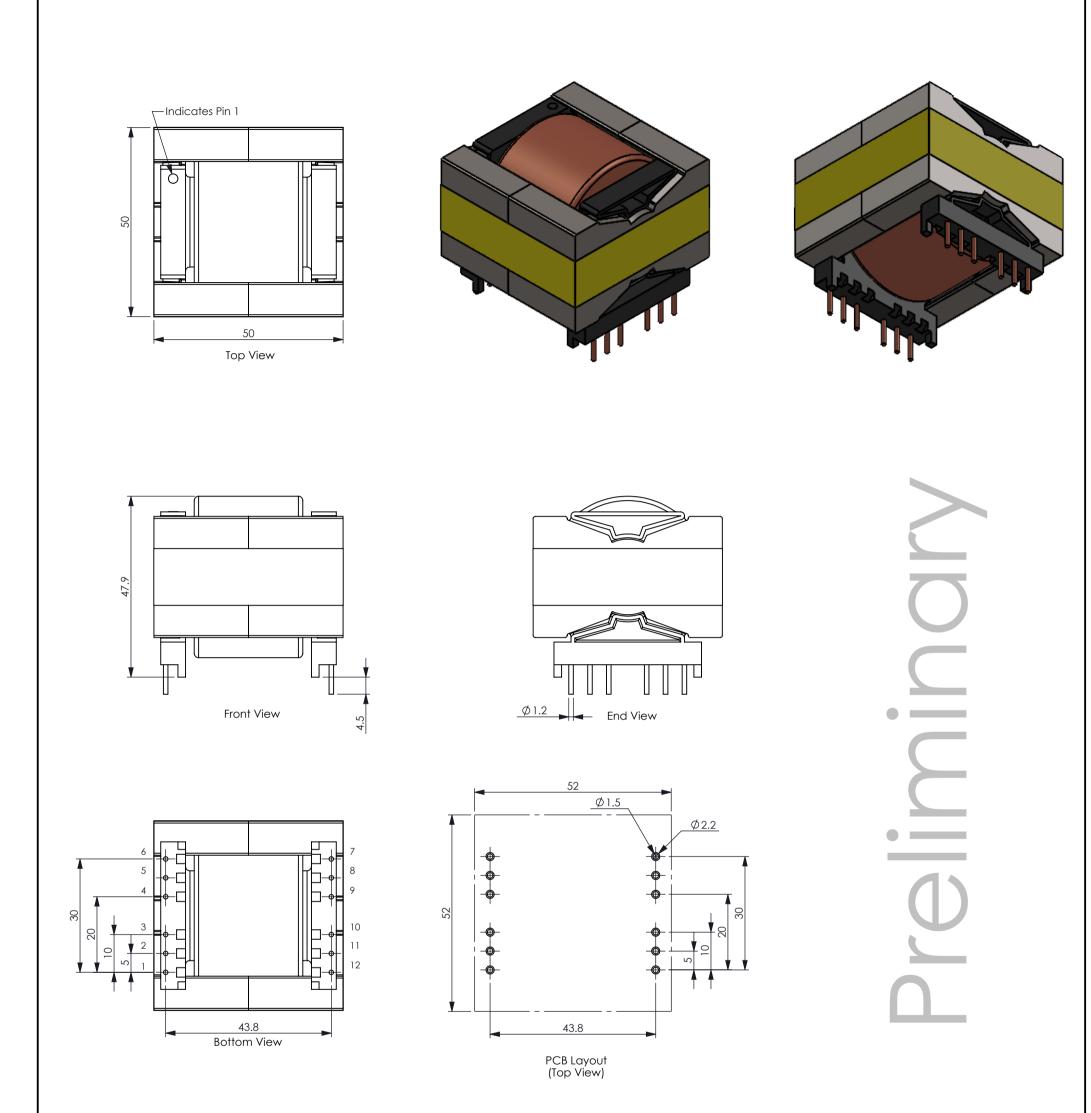
B181127

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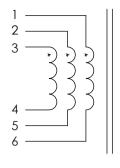
CHANGE HISTORY

Revision	Date	Description of Change	Approved	Date
X1	14/08/2024	Minor Updates		
	1			

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BOURNS	Title Double Boost Inductor		Tolera (Unless Otherwis 0 < L < 5 : ±0.1 5 < L < 16 : ±0.3	e Specified) Angle
	Project Number MAG-3001956		16 < L < 50 : ±0.	5
	Bourns P/N	Rev	Units: mm	
B181127 V1 D6754	145451	X1	Scale: NTS	DRAWN IN THIRD ANGLE PROJECTION.
Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 2 of 9



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B181127 V1 D6754 Customer	145451 Customer P/N	X1 Rev	Scale: NTS RoHS and	Projection.
			REACH Compliant	3 of 9



Schematic Note: Join Pins 1, 2, 3 and Pins 4, 5, 6 On The PCB

ELECTRICAL SPECIFICATION

No.	Item	Terminal	Value	Tolerance	Condition	Remarks
1	Inductance (0 ADC)	1, 2, 3 - 4, 5, 6	120 µH	±10%	1V at 100kHz	Join Pins 1, 2, 3 Join Pins 4, 5, 6
2	Saturation Current	1, 2, 3 - 4, 5, 6	20 A		30% Roll Off From Initial	
3	DC Resistance	1, 2, 3 - 4, 5, 6	11.5 mΩ	Тур		Join Pins 1, 2, 3 Join Pins 4, 5, 6

GENERAL INFORMATION

- Operating Temperature: -40°C to +125°C Including Temperature Rise Storage Temperature: -40°C to +85°C 1.
- 2.

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