BOURIS

SPECIFICATION FOR APPROVAL

Title	PFC Inductor		
Reference Design	TIDA-010938		
Bourns Part Number	145453	Rev	X1
Customer			
Customer Part Number		Rev	

Designed		
Drawn	MD	06/Mar/2024
Checked		
Approved		

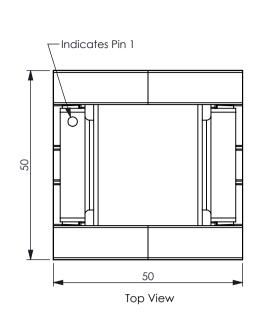
Customer Approval				
Name				
Position				
Date				

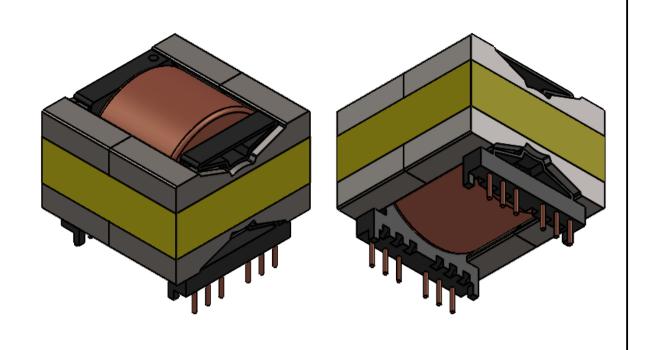
D6743

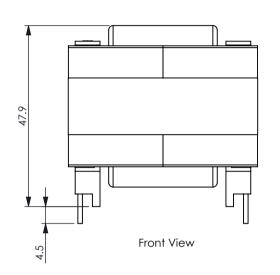
B181066

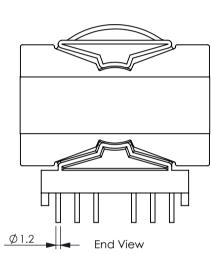
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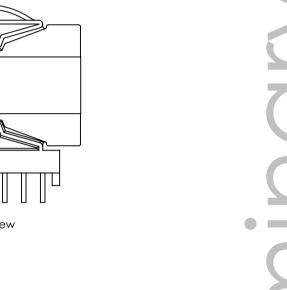
			CHAN	NGE HISTORY			
Revision	Date		Descri	otion of Change		Approved	Date
X1	02/Aug/2024	1	Bobbin Modific	ation and Minor Update	?S		
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			Title			To (Unless Otl	lerance nerwise Specified)
BO	URI	NS	Project Number MAG-3001	PFC Inductor		0 < L < 5: 5 < L < 16 16 < L < 50	: ±0.3 ± 1°
D 1 O	1066 V2 I	D6743	Bourns P/N 145453		Rev X1	Units: mn Scale: NT	
Customer	1000 42 1	JU/ 4 U	Customer P/N		Rev	RoHS and REACH	d Page:
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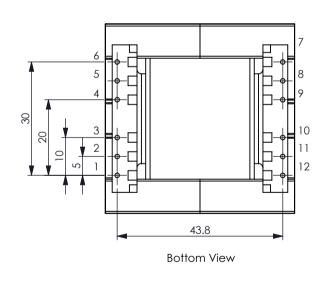


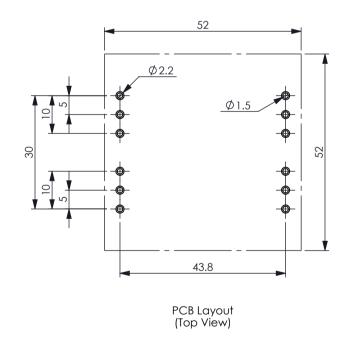






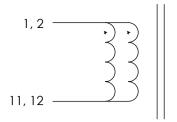






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BOURNS	Project Number MAG-3001957		Tolerance (Unless Otherwise Specified) 0 < L < 5: ±0.1 Angle 5 < L < 16: ±0.3 ± 1° 16 < L < 50: ±0.5	
	Bourns P/N	Rev	Units: mm	\bigcirc
B181066 V2 D6743	145453	X1	Scale: NTS	DRAWN IN THIRD ANGLE PROJECTION.
Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 3 of 9



Schematic
Pins 1 & 2 can be connected on the PCB
Pins 11 & 12 can be connected on the PCB

ELECTRICAL SPECIFICATION

No.	Item	Terminal	Value	Tolerance	Condition	Remarks
1	Inductance (0 ADC)	1, 2 - 11, 12	xxx μΗ	±10%	1V at 100kHz	
2	Saturation Current	1, 2 - 11, 12	xxx mA		20% Roll Off From Initial	
3	DC Resistance	1, 2 - 11, 12	3 mΩ	±10%		

GENERAL INFORMATION

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

2. Storage Temperature: -40°C to +85°C

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	Project Number MAG-3001957			
	Bourns P/N	Rev	Units: mm	\bigcirc
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Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 4 of 9

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Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 5 of 9