BOURIS

SPECIFICATION FOR APPROVAL

Title	PFC Inductor		
Reference Design	TIDA-010933		
Bourns Part Number	145450	Rev	X9
Customer			
Customer Part Number		Rev	

Designed		
Drawn	MD	06/June/2024
Checked		
Approved		

Customer Approval				
Name				
Position				
Date				

D6746

B180965

			CHANGE HIS	TORY		
Revision	Date		Description of Ch	nange	Approved	Date
X1	21 Jun 2023		Bobbin widened by	1.5 mm		
X2	28 Jun 2023		Bobbin Modified to include N	Nounting Features		
Х3	26/Jul/2023		Elec Spec Updo	ated		
X4	14/12/2023		Addition of Bourns Pa	rt Number		
X5	15/Jan/2024		Spacers Adde	ed		
Х6	16/Feb/2024		Bobbin Modifico	utions		
X7	20/May/2024		Updated Elec. S	pec.		
X8	23/May/2024	Char	ged Bobbin, Removed Spacer, Upo	dated Electrical Specification		
Х9	06/Jun/2024		Minor Update	es		
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THESE DRAW BASIS FOR TH	INGS AND SPE IE MANUFACT	URE OF SA	NS ARE THE PROPERTY OF BOILE OF APPARATUS OR DEVICE:	urns and shall not be repro s without express written per	MISSION FR	om bourns
	rtbr	TC	Title PFC Ir	nductor		erance erwise Specified) ±0.1 Angle

± 1°

DRAWN IN THIRD ANGLE PROJECTION.

2 of 9

Page:

 $0 < L < 5 : \pm 0.1$ 5 < L < 16: ±0.3

16 < L < 50 : ±0.5

Units: mm

Scale: NTS

RoHS and REACH Compliant

Rev

Rev

X9

BOURNS

B180965 V0 D6746

Customer

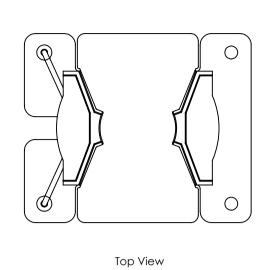
Project Number

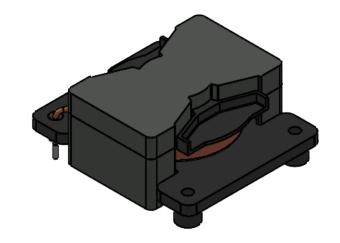
Bourns P/N

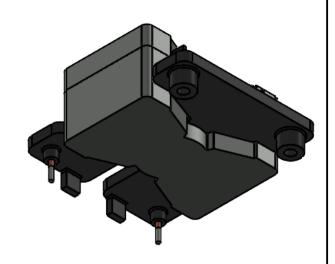
Customer P/N

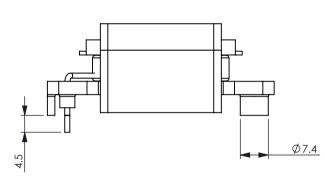
MAG-3001799

145450

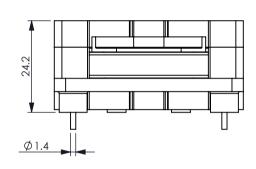




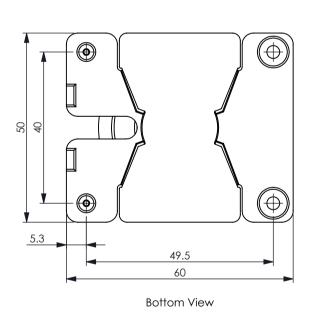


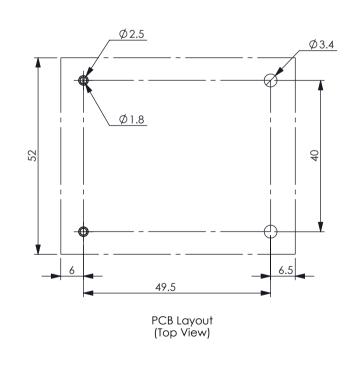






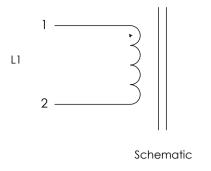
End View





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BOURNS	Project Number MAG-3001799		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
B180965 V0 D6746	145450	X9	Scale: NTS	DRAWN IN THIRD ANGLE PROJECTION.
Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 3 of 9



ELECTRICAL SPECIFICATION

No.	Item	Terminal	Value	Tolerance	Condition	Remarks
1	Inductance	L1	200 µH	±10%	1V at 120kHz	
2	Saturation Current	L1	15 A	±10%		
3	DC Resistance	L1	50 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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Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 4 of 9

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