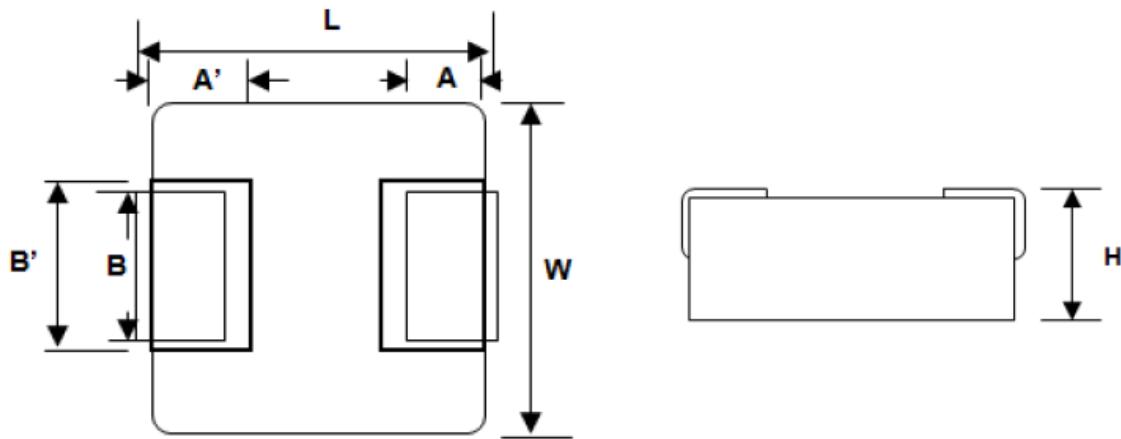
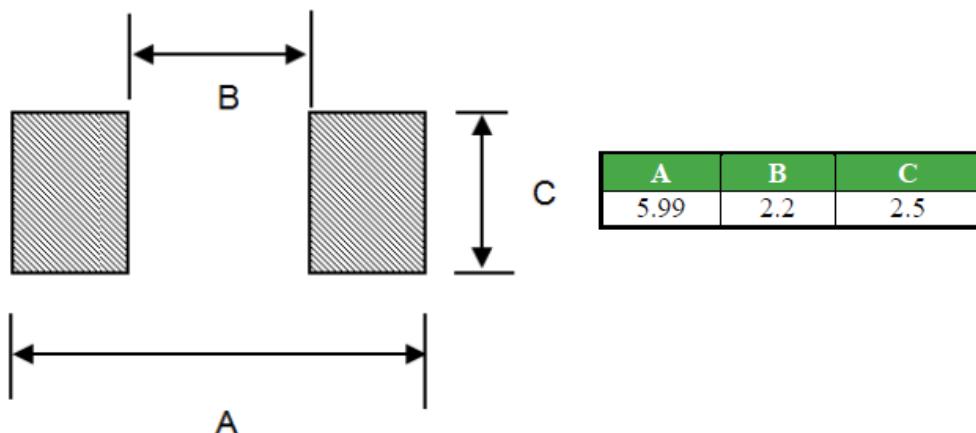


ECN/PCN No.: M1385
For Manufacturer

Product Description: Molded Power Inductor	Abracon Part Number / Part Series: ASPI-0520LR Series	<input type="checkbox"/> Documentation only <input checked="" type="checkbox"/> Series <input checked="" type="checkbox"/> ECN <input type="checkbox"/> Part Number(s) <input type="checkbox"/> EOL
Affected Revision: A	New Revision: B	Application: <input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

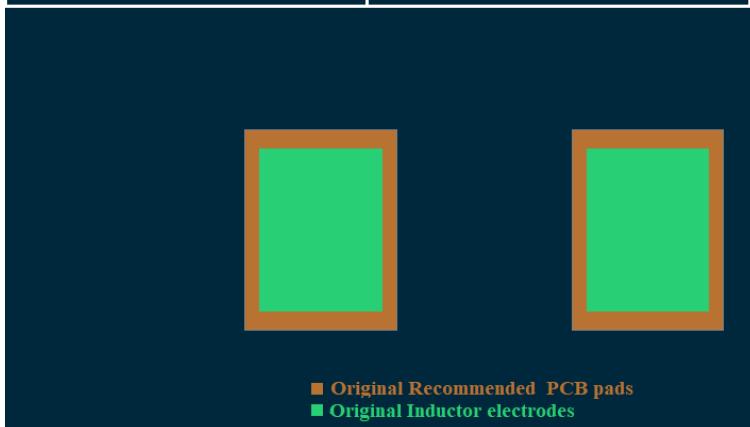
Prior to Change:
7.0 Mechanical Dimension


A	A'	B	B'	L	W	H
1.0 ±0.4	1.5 ±0.1	2.0 ±0.3	2.5 ±0.2	5.60 ±0.35	5.2 ±0.2	2.0 ±0.1

7.1 Recommended Land Pattern


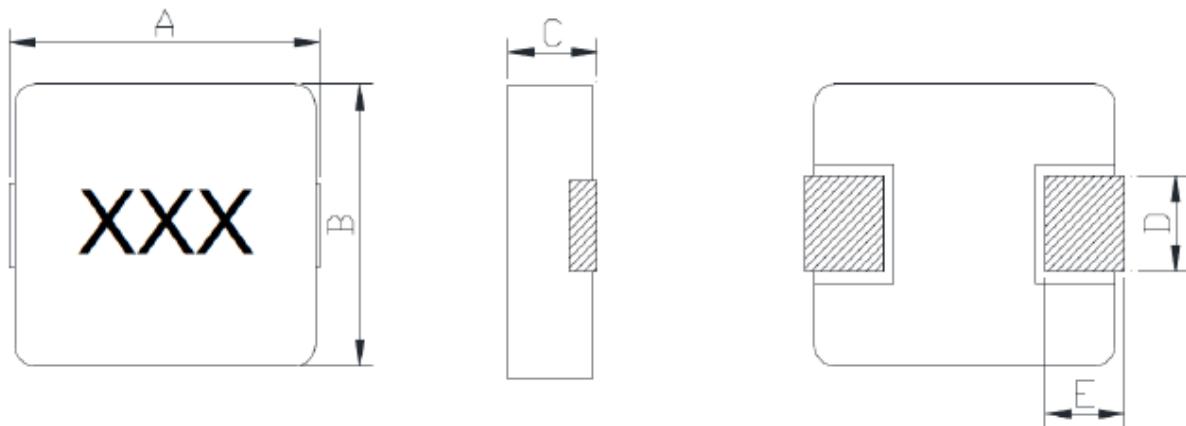
Pad Analysis for the original recommended PCB pad layout and the inductors electrodes.

Inductor electrodes height:	2.0	PCB footprint pads height:	2.5
Inductor electrodes length:	5.6	PCB footprint pads length:	6
Inductor electrodes gap:	2.6	PCB footprint pads gap:	2.2
Enter a Scaling Value:	Dimensions [mm]		
<small>(Adjust value to zoom in or out, i.e 1.00, 0.5, 3.5..etc)</small>			

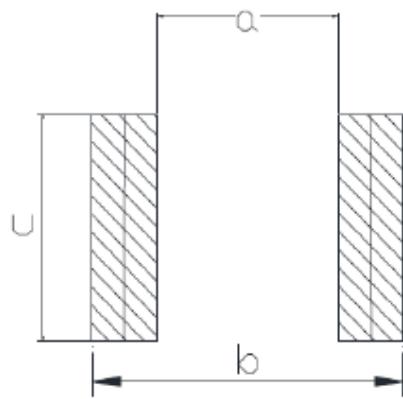


After Change:

Mechanical Specifications



A	B	C	D	E
5.7 ± 0.3	5.3 ± 0.4	2.1 MAX	2.0 ± 0.5	1.2 ± 0.5



Recommended Layout

a	b	c
3.0 TYP	7.0 TYP	2.5 TYP

Dimension: mm

Pad Analysis for the original recommended PCB pad layout and the inductors electrodes of the updated package.


Cause/Reason for Change:

Changing production lines for capacity increase.

Change Plan

Effective Date: 8/1/2022	Additional Remarks:	
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Change Declaration:

The overall mechanical outline has changed slightly. More importantly, the recommended pad layout has changed. Design engineers must review and ensure new pad dimensions are permittable. Please review the included pad dimension analysis illustrations.

Issued Date: 8/1/2022	Issued By: Gerald Capwell	Issued Department: Engineering
Approval: Syed Raza Engineering VP	Approval: Reuben Quintanilla Quality Director	Approval: Ying Huang Purchasing Director

For Abracan EOL only

Last Time Buy (if applicable):	Alternate Part Number / Part Series:
Additional Approval:	Additional Approval:

Customer Approval (If Applicable)
Qualification Status:
 Approved Not accepted

Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.

Customer Part Number:	Customer Project:
Company Name:	Company Representative:
Customer Remarks:	