



The DNA of tech.™

IHLP5050EZ, IHLP5050FD, and IHLE5050FH Terminal Change to Improve Manufacturability

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Dale Electronics, LLC
1505 East Highway 50
-
Yankton SD United States 57078
Phone: 1 605-665-9301
Fax: 1 605-665-1627
nick.schade@vishay.com

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
-
Selb Germany 95100
Phone: 49-9287-71-2117
Fax: 49-9287-8188
jessica.braun@vishay.com

Asia

Vishay Korea Ltd.
9th Floor, Central Place
50 Seosomun-ro, Jung-gu
Seoul Korea, Republic of 04505
Phone: +82-2-3270-8837
Fax: +82-2-3270-8815
jacky.kim@vishay.com

Description of Change: The terminal geometry is changing on select IHLP5050EZ, IHLP5050FD, and IHLE5050FH models of Vishay power inductors. The main change is a decreased terminal width from 0.400” to 0.380”, which will affect only the upper part of the terminal coming of the part, not the solderable terminal surface or recommended pad layout. This change only applies to parts with tin-plated, “symmetrical” lead frames. See images on the following pages for more information.

Some datasheets currently indicate this 0.400” terminal dimension. However, Vishay does not consider this dimension critical to form, fit, or function, so it will be removed from datasheets to align with the latest Vishay format. Other non-critical dimensions pertaining to the terminals will also be removed per Figure 2 below. Datasheets updates will be finalized by Dec 31, 2025.

Datasheet Links for Standard Series Affected

IHLP5050EZ-A1 www.vishay.com/doc?34248
IHLP5050EZ-5A www.vishay.com/doc?34507
IHLP5050FD-A1 www.vishay.com/doc?34249
IHLP5050FD-5A www.vishay.com/doc?34337
IHLP5050FD-51 www.vishay.com/doc?34347
IHLP5050FD-8A www.vishay.com/doc?34386
IHLP5050FD-AP www.vishay.com/doc?34569
IHLP5050FD-0P www.vishay.com/doc?34615
IHLE5050FH-5A www.vishay.com/doc?34459
IHLE5050FH-51 www.vishay.com/doc?34546

Reason for Change: Improve robustness and strength of the core around the terminal by reducing the amount of leadframe inside the part. (Weak core formation at this junction can cause cracks to form during manufacturing.)

Expected Influence on Quality/Reliability/Performance: None. No change to solderable terminal surface or recommended pad layout. Mechanical robustness is equivalent or better. This is an overall improvement to the product’s manufacturability and mechanical design.

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.



Product Change Notification



Product Group: DI/Monday November 24, 2025/PCN-DI-00699-2025-REV-0

The DNA of tech.™

Vishay Brand(S): Vishay Dale

Time Schedule:

Start Shipment Date: Monday May 25, 2026

Sample Availability: Samples will not be offered because the electrical, mechanical, and critical datasheet specifications are not changing.

Product Identification: Narrower dimension on the upper part of the terminal lead: 0.380" instead of 0.400".

Qualification Data: Available upon request. The redesigned terminal passes mechanical vibration and terminal strength tests outlined in AEC-Q200.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Monday May 25, 2026 or as specified by contract.

Issued By: Mariya Sachek, Product Marketing Engineer, mariya.sachek@vishay.com



Product Change Notification



Product Group: DI/Monday November 24, 2025/PCN-DI-00699-2025-REV-0

The DNA of tech.™

IHLP5050FDER150M5A	IHLP5050FDER4R7MA1	IHLP5050EZER220M5A	IHLP5050FDER3R3MA1	IHLP5050FDER1R0MA1
IHLP5050FDER3R3M5A	IHLP5050FDER1R0M5A	IHLP5050EZER3R3M5A	IHLP5050FDER3R3M8V	IHLP5050FDER2R2MA1
IHLP5050FDER4R7M8A	IHLP5050FDER100MA1	IHLP5050EZER3R3MA1	IHLP5050FDER3R3M8A	IHLP5050FDEK3R3M5A
IHLP5050EZEK220M5A	IHLP5050FDER100M5A	IHLP5050FDER4R7M5A	IHLP5050FDEK150M5A	IHLP5050FDER220M5A
IHLE5050FHERR33M5A	IHLP5050FDER1R5MA1	IHLP5050FDEK100M5A	IHLP5050FDEK1R0MA1	IHLP5050FDER1R2MA1
IHLP5050FDEK4R7MA1	IHLP5050FDEK100MA1	IHLP5050EZERR22M5A	IHLP5050FDEK4R7M5A	IHLP5050EZER2R2M5A
IHLP5050FDEK3R3M8A	IHLE5050FHER101M5A	IHLE5050FHER330M5A	IHLP5050FDER4R7MAP	IHLP5050FDEK2R2MA1
IHLP5050FDEK1R5MA1	IHLP5050EZER2R2MA1	IHLP5050EZEK100M5A	IHLP5050FDEK3R3MA1	IHLP5050FDER2R2M5A
IHLE5050FHER220M5A	IHLP5050FDER220M8A	IHLE5050FHER2R2M5A	IHLP5050FDER100M51	IHLP5050FDER6R8M5A
IHLP5050FDERR22M5A	IHLP5050FDEK1R0M5A	IHLP5050FDEK220M5A	IHLP5050EZER1R0M5A	IHLP5050FDER6R8MA1
IHLP5050FDEK4R7MAP	IHLP5050EZER4R7M5D	IHLP5050EZER150M5D	IHLE5050FHER150M5V	IHLP5050EZEK3R3MA1
IHLP5050EZER100MA1	IHLE5050FHER150M5A	IHLP5050FDER330M5A	IHLP5050EZEK3R3M5A	IHLP5050FDERR47M5A
IHLP5050FDER1R0M51	IHLP5050FDER220M1N	IHLP5050FDER220M51	IHLP5050FDER101M51	IHLP5050EZER4R7M5A
IHLP5050FDER4R7M51	IHLP5050EZER3R3M5D	IHLE5050FHER470M5A	IHLP5050FDER6R8M1A	IHLP5050EZER8R2M5D
IHLP5050EZER6R8M5A	IHLP5050FDER5R6M5A	IHLP5050FDEK2R2M5A	IHLP5050FDER8R2M51	IHLP5050FDER8R2MA1
IHLP5050EZEK6R8M5A	IHLP5050EZERR47M5A	IHLE5050FHER4R7M5A	IHLP5050EZERR47M5D	IHLP5050EZEK2R2M5A
IHLP5050FDER5R6M51	IHLP5050FDER6R8M51	IHLP5050EZER150M5A	IHLP5050EZEK2R2MA1	IHLP5050FDEK4R7M51
IHLP5050EZERR33M5A	IHLP5050EZER100M5A	IHLP5050EZER1R5M5D	IHLP5050FDER150M51	IHLP5050FDER120M51
IHLP5050EZER1R0M5D	IHLP5050FDEK330M5A	IHLE5050FHER6R8M5A	IHLP5050EZER820M5A	IHLE5050FHER3R3M51
IHLP5050FDEK5R6MPA	IHLP5050FDER101M8A	IHLP5050FDER150M8A	IHLP5050FDER1R5M5A	IHLP5050EZER470M5A
IHLE5050FHER220M51	IHLE5050FHER101M51	IHLP5050FDER470M5A	IHLP5050FDEK150MA1	IHLP5050FDEK2R2M5A
IHLP5050EZEK4R7M5A	IHLP5050FDER2R2M51	IHLP5050FDER120M5A	IHLP5050EZEK3R3M5A	IHLP5050FDER3R3MAP
IHLP5050FDER100MAP	IHLE5050FHER100M5A	IHLP5050FDER470M8A	IHLE5050FHER120M5A	IHLP5050FDER5R6M8A
IHLP5050FDER2R2MAP	IHLP5050EZER3R0M5A	IHLP5050FDER100M0P	IHLE5050FHER1R5M5A	IHLP5050FDER2R2M0P
IHLP5050FDERR47M8A	IHLP5050FDER1R0MAP	IHLP5050FDER330M8A	IHLP5050FDER1R0M0P	IHLP5050FDER4R7M0P
IHLP5050FDER3R3M0P	IHLP5050FDER7R8M5A	IHLP5050EZER6R8MA1	IHLP5050FDER2R2M8A	IHLP5050FDER1R0M8A
IHLP5050EZEK8R2M5A	IHLP5050EZEK5R6M5A	IHLP5050FDER1R2M5A	IHLP5050EZER1R8M5A	IHLE5050FHER2R2M51
IHLP5050FDER1R5M8A	IHLE5050FHER6R8M51	IHLE5050FHERR68M5A	IHLE5050FHERR56M5A	IHLP5050FDER1R8MA1
IHLP5050FDERR33M8A	IHLP5050FDER100M8A	IHLP5050EZERR68M5A	IHLP5050FDER820M8A	IHLP5050FDER7R8M8A
IHLP5050EZER8R2M5A	IHLP5050EZER1R5M5A	IHLP5050FDER1R5M51	IHLP5050FDER1R8M5A	IHLP5050FDER3R3M51
IHLP5050EZER5R6M5A	IHLP5050FDER150MA1			

Diagram of terminal change

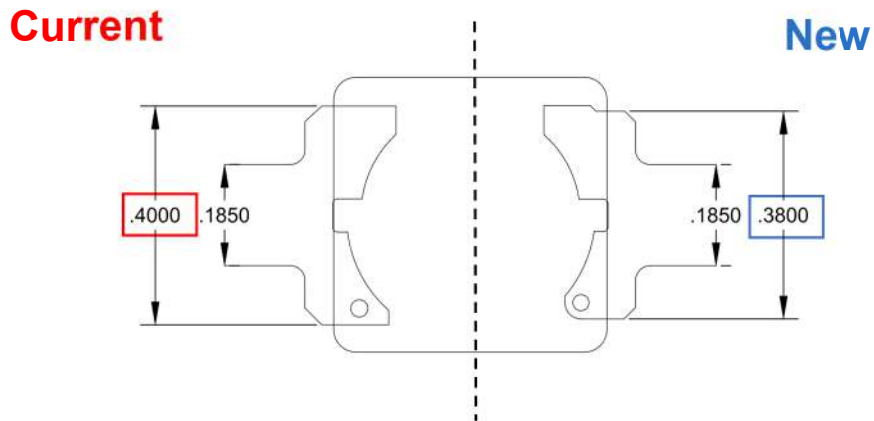
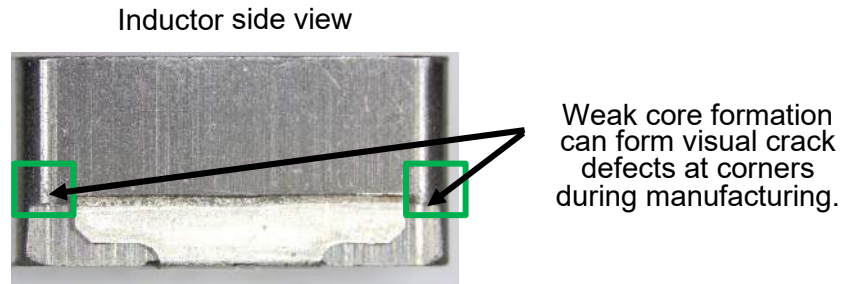


Figure 1: The width of the terminal coming out of the part will decrease from 0.400" to 0.380". This will reduce the amount of leadframe within the part, resulting in greater core material strength at the corners of the inductor.

Example of datasheet change

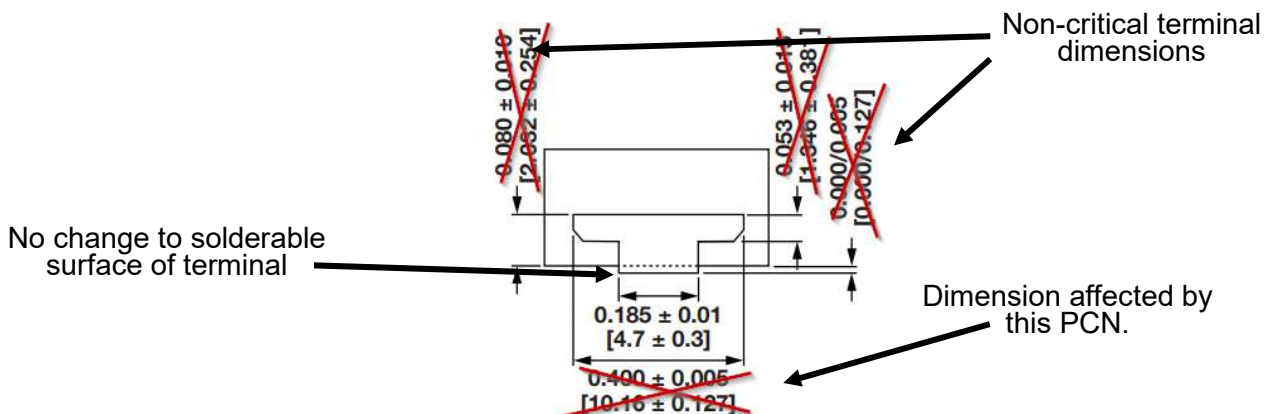


Figure 2: Non-critical dimensions pertaining to the terminal will be removed from datasheets, which includes the dimension affected by this PCN.

IHLP5050FDER150M5A
IHLP5050FDER3R3M5A
IHLP5050FDER4R7M8A
IHLP5050EZEK220M5A
IHLE5050FHERR33M5A
IHLP5050FDEK4R7MA1
IHLP5050FDEK3R3M8A
IHLP5050FDEK1R5MA1
IHLE5050FHER220M5A
IHLP5050FDERR22M5A
IHLP5050FDEK4R7MAP
IHLP5050EZER100MA1
IHLP5050FDER1R0M51
IHLP5050FDER4R7M51
IHLP5050EZER6R8M5A
IHLP5050EZEK6R8M5A
IHLP5050FDER5R6M51
IHLP5050EZERR33M5A
IHLP5050EZER1R0M5D
IHLP5050FDEK5R6MPA
IHLE5050FHER220M51
IHLP5050EZEK4R7M5A
IHLP5050FDER100MAP
IHLP5050FDER2R2MAP
IHLP5050FDERR47M8A
IHLP5050FDER3R3M0P
IHLP5050EZEK8R2M5A
IHLP5050FDER1R5M8A
IHLP5050FDERR33M8A
IHLP5050EZER8R2M5A
IHLP5050EZER5R6M5A
IHLP5050FDER4R7MA1
IHLP5050FDER1R0M5A
IHLP5050FDER100MA1
IHLP5050FDER100M5A
IHLP5050FDER1R5MA1
IHLP5050FDEK100MA1
IHLE5050FHER101M5A
IHLP5050EZER2R2MA1
IHLP5050FDER220M8A
IHLP5050FDEK1R0M5A
IHLP5050EZER4R7M5D
IHLE5050FHER150M5A
IHLP5050FDER220M1N
IHLP5050EZER3R3M5D
IHLP5050FDER5R6M5A
IHLP5050EZERR47M5A
IHLP5050FDER6R8M51

IHLP5050EZER100M5A
IHLP5050FDEK330M5A
IHLP5050FDER101M8A
IHLE5050FHER101M51
IHLP5050FDER2R2M51
IHLE5050FHER100M5A
IHLP5050EZER3R0M5A
IHLP5050FDER1R0MAP
IHLP5050FDER7R8M5A
IHLP5050EZEK5R6M5A
IHLE5050FHER6R8M51
IHLP5050FDER100M8A
IHLP5050EZER1R5M5A
IHLP5050FDER150MA1
IHLP5050EZER220M5A
IHLP5050EZER3R3M5A
IHLP5050EZER3R3MA1
IHLP5050FDER4R7M5A
IHLP5050FDEK100M5A
IHLP5050EZERR22M5A
IHLE5050FHER330M5A
IHLP5050EZEK100M5A
IHLE5050FHER2R2M5A
IHLP5050FDEK220M5A
IHLP5050EZER150M5D
IHLP5050FDER330M5A
IHLP5050FDER220M51
IHLE5050FHER470M5A
IHLP5050FDEK2R2M5A
IHLE5050FHER4R7M5A
IHLP5050EZER150M5A
IHLP5050EZER1R5M5D
IHLE5050FHER6R8M5A
IHLP5050FDER150M8A
IHLP5050FDER470M5A
IHLP5050FDER120M5A
IHLP5050FDER470M8A
IHLP5050FDER100M0P
IHLP5050FDER330M8A
IHLP5050EZER6R8MA1
IHLP5050FDER1R2M5A
IHLE5050FHERR68M5A
IHLP5050EZERR68M5A
IHLP5050FDER1R5M51
IHLP5050FDER3R3MA1
IHLP5050FDER3R3M8V
IHLP5050FDER3R3M8A
IHLP5050FDEK150M5A

IHLP5050FDEK1R0MA1
IHLP5050FDEK4R7M5A
IHLP5050FDER4R7MAP
IHLP5050FDEK3R3MA1
IHLP5050FDER100M51
IHLP5050EZER1R0M5A
IHLE5050FHER150M5V
IHLP5050EZEKR33M5A
IHLP5050FDER101M51
IHLP5050FDER6R8M1A
IHLP5050FDER8R2M51
IHLP5050EZERR47M5D
IHLP5050EZEK2R2MA1
IHLP5050FDER150M51
IHLP5050EZER820M5A
IHLP5050FDER1R5M5A
IHLP5050FDEK150MA1
IHLP5050EZEK3R3M5A
IHLE5050FHER120M5A
IHLE5050FHER1R5M5A
IHLP5050FDER1R0M0P
IHLP5050FDER2R2M8A
IHLP5050EZER1R8M5A
IHLE5050FHERR56M5A
IHLP5050FDER820M8A
IHLP5050FDER1R8M5A
IHLP5050FDER1R0MA1
IHLP5050FDER2R2MA1
IHLP5050FDEK3R3M5A
IHLP5050FDER220M5A
IHLP5050FDER1R2MA1
IHLP5050EZER2R2M5A
IHLP5050FDEK2R2MA1
IHLP5050FDER2R2M5A
IHLP5050FDER6R8M5A
IHLP5050FDER6R8MA1
IHLP5050EZEK3R3MA1
IHLP5050FDERR47M5A
IHLP5050EZER4R7M5A
IHLP5050EZER8R2M5D
IHLP5050FDER8R2MA1
IHLP5050EZEK2R2M5A
IHLP5050FDEK4R7M51
IHLP5050FDER120M51
IHLE5050FHER3R3M51
IHLP5050EZER470M5A
IHLP5050FDEKR22M5A
IHLP5050FDER3R3MAP

IHLP5050FDER5R6M8A
IHLP5050FDER2R2M0P
IHLP5050FDER4R7M0P
IHLP5050FDER1R0M8A
IHLE5050FHER2R2M51
IHLP5050FDER1R8MA1
IHLP5050FDER7R8M8A
IHLP5050FDER3R3M51