



The DNA of tech.™



Implementation of Advanced Automation (2nd Gen) to Supplement IHLP Inductor Production

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Intertechnology, Inc
1505 East Highway 50
-
Yankton SD United States 57078
Phone: 1 605-665-9301
Fax: 1 605-665-1627
mariya.sachek@vishay.com

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
-
Selb Germany 95100
Phone: 49-9287-71-2282
Fax: 49-9287-8188
jens.walther@vishay.com

Asia

Vishay Intertechnology Asia Pte Ltd.
37A Tampines Street 92
#07-01
Singapore Singapore 528886
Phone: +65-6788-6668
Fax: +65-6788-3383
jacky.kim@vishay.com

Description of Change: Vishay Inductors Division is pleased to announce the implementation of new advanced automation (Generation 2 Equipment) to supplement IHLP inductor production worldwide. The new equipment brings higher efficiency and even higher quality by utilizing the latest and most advanced automation for composite inductor production.

At this time, only select Commercial Grade products are affected, specifically in the following case sizes: IHLP1616*, IHLP2020*, IHLP2525*, IHLP3232*, IHLP4040*, and IHLP5050*. There are plans to support other configurations as well as Automotive Grade in the future. Please see the following pages for images and list of parts affected.

What changes:

1. Improved coil layering with outside-to-outside winding style produces a symmetrical coil with improved lead-to-lead voltage isolation
2. Pinpoint laser welding (compared to ultrasonic welding) mean more accurate positioning and no consumable tooling.
3. Increased die cavities at pressing operation (automated loading process and improved efficiency)
4. Slight change in outside appearance. Does not affect fit, form or function (please see images at the end of this document)
5. Date code configuration: Generation 1 uses the format year/week/lot code (e.g., 2330BB). Generation 2 uses lot code/year/week (e.g., BB2330)

What does not change:

1. Part number does not change as both Generation 1 and Generation 2 equipment will run concurrently (Lots will not be mixed but orders may be if they contain more than one lot)
2. Datasheet parameters, all dimensional and electrical specifications remain the same (fit, form and function is equivalent)
3. 100% six-sided AOI Vision System
4. 100% final test stage
5. Packaging
6. Manufacturing and Test Sites (Gen 2 equipment will be hosted in the same factories worldwide as the respective Gen 1 equipment)

Reason for Change: Capacity expansion and process improvement

Expected Influence on Quality/Reliability/Performance: Improved performance and reliability

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



Product Change Notification



Product Group: DI/Wed Aug 30, 2023/PCN-DI-00610-2023-REV-0

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Vishay Brand(S): Vishay Dale

Time Schedule:

Start Shipment Date: Sun Dec 3, 2023

Sample Availability: October 1, 2023

Product Identification: See images on the following pages.

Qualification Data: Vishay to provide upon request.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Mon Sep 25, 2023 or as specified by contract.

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



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Product Change Notification



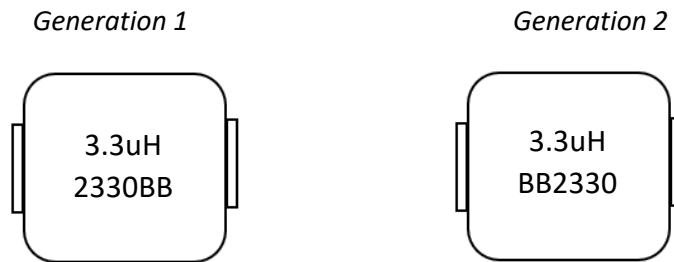
Product Group: DI/Wed Aug 30, 2023/PCN-DI-00610-2023-REV-0

The DNA of tech.™

IHLP5050FDERR82M01				
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Vishay IHLP-2525CZ (Gen 1 vs Gen 2)

Part Marking



Top

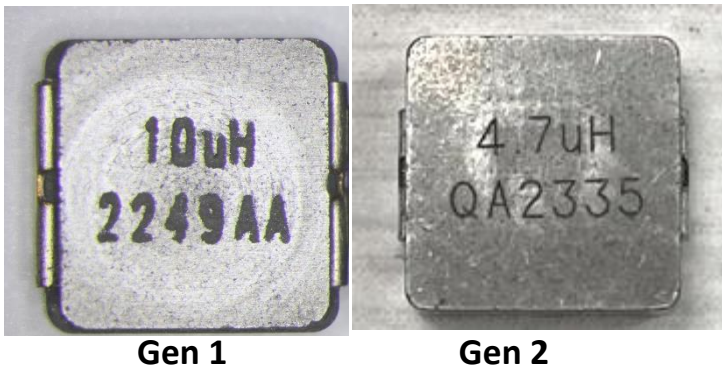


Figure 1. Shows an optical view of the top of the units.

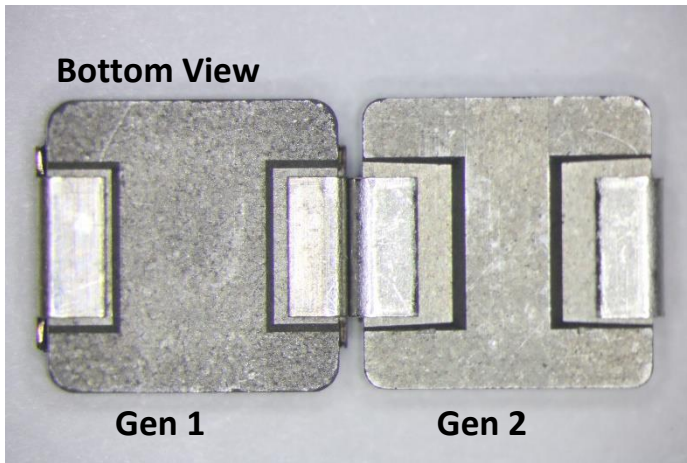


Figure 2. Shows an optical view of the bottom of the units.

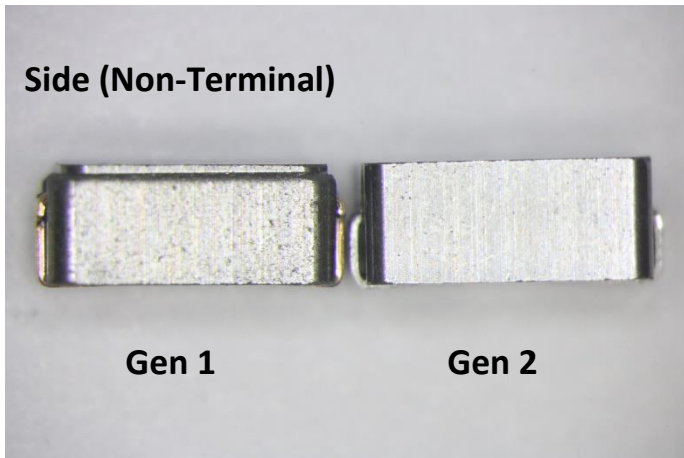


Figure 3. Shows an optical view of the Non-Leadframe side of the units.

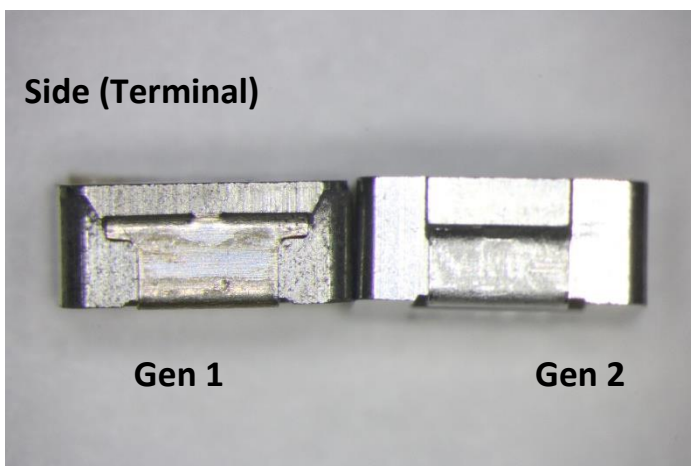


Figure 4. Shows an optical view of the Leadframe/terminal side of the units.