

## Product Change Notice (PCN)

**Subject:** Alternate Inductor used in the listed Renesas HDA module

**Publication Date:** 1/11/2022

**Effective Date:** 4/10/2022

**Revision Description:**

Initial Release

**Description of Change:**

Alternate Inductor used in Renesas HDA Module

**Reason for Change:**

This is to inform you that Renesas Electronics America Inc (REA) has begun to use PA5001.561NLT as alternate inductor that is currently used for assembly of the listed Renesas HDA Module.

PA5001.561NLT is manufactured by Pulse Electronics Corporation. It is a high efficiency inductor, which improves HDA module efficiency.

Pulse Electronics Corporation is a global manufacturer of electronic components with multiple award recognition accredited by well-known certification body. For more information about Pulse Electronics Corporation., it is available at the following link :

<https://www.pulseelectronics.com/>

**Impact on fit, form, function, quality & reliability:**

Both existing and new Inductor with same electrical characteristics and will have no impact to Renesas HDA Module electrical performance. The qualification plan for new Inductor follows JEDEC and other applicable industry standards to confirm there is no impact on the form, fit, function, quality, reliability and environmental compliance of the devices. The remainder of the manufacturing operations (package assembly, test, shipment, etc.) will continue to be processed to previously established conditions and systems.

**Product Identification:**

Product affected by this change is identifiable via Renesas's internal traceability system.

**Qualification status:** Completed, see attached

**Sample availability:** 3/1/2022

**Device material declaration:** Available upon request

Note :

Due to limited components and capacity, we will not be able to offer samples for each and every product affected by the notice. For those products which we can accommodate sampling, samples will be available from March 01, 2022 onwards subject to availability. If interested, please contact Renesas Sales to determine if samples are available for product of your interest.

Note:

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.
2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.
3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Intersil within 30 days of the publication date.

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: <a href="mailto:PCN-US@RENESAS.COM">PCN-US@RENESAS.COM</a>	Europe: <a href="mailto:PCN-EU@RENESAS.COM">PCN-EU@RENESAS.COM</a>	Japan: <a href="mailto:PCN-JP@RENESAS.COM">PCN-JP@RENESAS.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@RENESAS.COM">PCN-APAC@RENESAS.COM</a>

Appendix A - Affected Product List

**Affected Device List**

ZL9010MAIRZ
ZL9010MAIRZ-T
ZL9010MAIRZ-TR5686
ZL9010MAIRZ-TS2490
ZL9010MAIRZR5686
ZL9010MIRZ
ZL9010MIRZ-T

Appendix B - Qualification Results (see attached)

Test Description	Condition	RAA2270634GNP#HA0 48 Lead, 7mm x 7mm QFN Package
Moisture Sensitivity Level	Level 3	N=22 Acc = 0 L3 Pb-Free
Unbiased Highly Accelerated Stress Test (uHAST) +130°C ; 85% RH	96 hours	N=80 Acc = 0 L3 Pb-Free
Temperature Cycle (TCT)  -40°C / +125°C	1000 cycles	N=80 Acc = 0 L3 Pb-Free