

## Product Change Notice (PCN)

**Subject:** Alternate Inductor used in ISL8216MIRZ\* Renesas HDA Module

**Publication Date:** 6/17/2021

**Effective Date:** 6/17/2021

**Revision Description:**

Initial Release

**Description of Change:**

Alternate Inductor used in ISL8216MIRZ\* Renesas HDA Module

**Affected Device List**

ISL8216MIRZ
ISL8216MIRZ-T
ISL8216MIRZ-T7A

**Reason for Change:**

This is to inform you that Renesas Electronics America Inc (REA) has begun to use a new Inductor from Bourns to replace the existing Inductor that is currently used for assembly of the listed Renesas HDA Module.

REA regret to announce that the existing Inductor supplier has discontinued production. As such, we have identified an Inductor from Bourns as alternate component. Bourns Inc is a global manufacturer of electronic components with multiple award recognition accredited by well known certification body. For more information about Bourns Inc , it is available at the following link : <https://www.bourns.com/applications>

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

Both existing and new inductors with SAME electrical characteristics and will have no impact to ISL8216MIRZ 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:** 6/19/2021

**Device material declaration:** Available upon request

Note : Sample is available 06/19/2021 onwards, and subject to availability. Customer may expect 1 – 2 months for sample replenishment.

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@INTERSIL.COM">PCN-US@INTERSIL.COM</a>	Europe: <a href="mailto:PCN-EU@INTERSIL.COM">PCN-EU@INTERSIL.COM</a>	Japan: <a href="mailto:PCN-JP@INTERSIL.COM">PCN-JP@INTERSIL.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@INTERSIL.COM">PCN-APAC@INTERSIL.COM</a>

Appendix A - Qualification Results (see attached)

Test Description	Condition	ISL8216MIRZ 22 I/O Custom HDA Module 15mm x 15 mm x 3.6mm Package
Moisture Sensitivity Classification	Level 3	N=44 Acc=0 L3 Pb-Free
High Temperature Operating Life (HTOL) +100°C	500 hours	N=80 Acc=0
Temperature Humidity Bias (THB)	548 hrs	N=80 Acc=0 L3 Pb-free
Unbias High Accelerated Stress Test (uHAST) +130°C / 85% RH	96 hours	N=80 Acc=0
Hot Temperature Storage (HTS) +150°C	1000 hours	N80 Acc=0
Temperature Cycling Test (TCT) -40°C / +125°C	500 cycles	N=80 Acc=0

 Completed and Passed