



PCN no.: **PCN\_148 rev. 1.0**

Date: **2021-08-12**

Device affected: **nRF52840-QIAA**

Device version / Build Code: **D00**

Data sheet references:  
**nRF52840 Product Specification**

Agreement reference:  
**N/A**

Customer's reference:  
**N/A**

**Description of change:**

Introduction of Amkor Technology Philippines (also referred to as Amkor-Philippines on this document) as additional Assembly and Final Test site. Currently, the product is being assembled and tested at ASE-ChungLi.

Product	Build code of current source	Build code of additional source
nRF52840-QIAA	D00	D10

The current and additional source versions may be produced and shipped in parallel.

**Impact:** Does the change affect **product:**

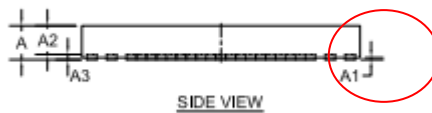
- |                           |  |  |
|---------------------------|--|--|
| 1. Form                   | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> Yes – describe: See below Impact to Form |
| 2. Fit                    | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> Yes – describe: See below Impact to Fit  |
| 3. Function               | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes – describe:                                     |
| 4. Quality or Reliability | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes – describe:                                     |
| Classification of change  | <input type="checkbox"/> Minor         | <input checked="" type="checkbox"/> Major                                    |

**Impact to Form**

Form	Build code D00	Build code D10
Pin plating	Nickel Palladium Gold	Nickel Palladium Gold Silver ~ 1.5%

**Impact to Fit**

Stand-off dimension, A1 for build code D10 is slightly different, minimum value is zero, compared to D00 at 0.02mm.



	Stand-off, A1 (mm)	
	D00	D10
<b>Min.</b>	0.02	0
<b>Nom.</b>	0.05	0.02
<b>Max</b>	0.08	0.05

The mechanical specification on the Product Specification of nRF52840 product will be revised to incorporate D10 dimensions.

**Reason for change:**

Effectuation of second sourcing program to ensure flexible capacity planning and improved business continuity management.

**Consequences of change:**

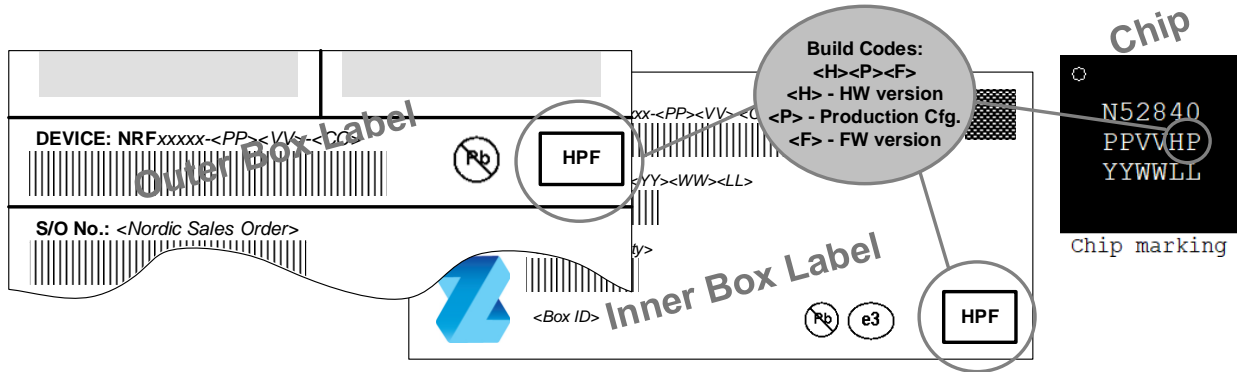
None expected. Samples are available for customers considering SMT evaluation.



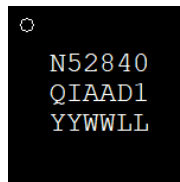
**Verification of change:**

The new build codes were qualified according to Nordic Semiconductor's standard product approval and quality procedures.

**Marking/Shipping labels:**



**Chip:**



Build: D10

**Label:**



**Change active from (date):**

2021-11-12

**Change active from (lot no/date code/build code):**

Build code D10

**Samples Available (date/build code):**

Now / DCO

**Attachments:**

No

Yes – describe:

**Technical contact at Nordic Semiconductor:**

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**Commercial contact at Nordic Semiconductor:**

[www.nordicsemi.com](http://www.nordicsemi.com), "Contact Us"

**Authorization for Nordic Semiconductor**

Product Manager: Kjetil Holstad

Date: 2021-08-12

Sign:

Quality Director: Ebbe Rømcke

Date: 2021-08-12

Sign:

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