

PCN no.: PCN-111 rev. 1.0	Date: 2018-11-21	
Device affected: nRF52840-QIAA	Device version / Build Code: C00	
Data sheet references: N/A	Agreement reference: N/A	Customers reference: N/A

Description of change:

New silicon fixing the following Errata:

- Errata-192 LFRF frequency offset after calibration
- Errata-197 DCDC of REG0 not functional
- Errata-201 EVENTS_HFCLKSTARTED might be generated twice
- Errata-202 Device does not start up in high voltage mode

In addition, there are improvements related to yield and manufacturing throughput. This is a running change aiming to replace previous build code (C00).

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

- | | | |
|---------------------------|--|--|
| 1. Form | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes – describe: |
| 2. Fit | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes – describe: |
| 3. Function | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes – describe: See “Description of change” and referenced Errata. |
| 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 |

Reason for change:

Fixing Errata and yield and manufacturing throughput optimization

Consequences of change:

Hardware

The new device version is drop-in compatible with the current version and does not require changes to PCB design, schematics or layout.

Software:

The new device version is software compatible with the current version if using SDK15.0/15.1 and SoftDevice S140v6.0.0/6.1.0 but note that these versions have implemented workarounds for Errata-192 and Errata-201 which will be executed without impact on function on this device version.

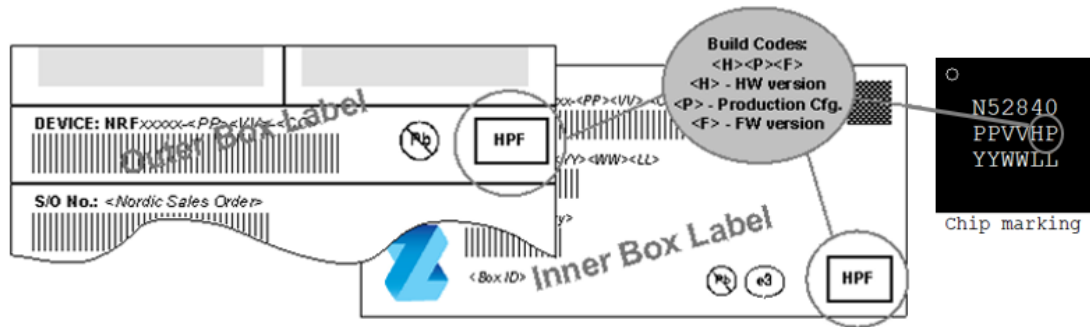
Teleregulatory and Bluetooth certification

- *The new revision has no impact on RF performance*
- *The new revision inherits all Bluetooth QDIDs and requires no re-qualification for existing products*

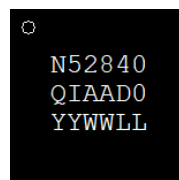
Verification of change:

The new build code is qualified according to Nordic Semiconductor’s standard product approval and quality procedures.

Marking/Shipping labels:



Chips:



Build: D00

Labels:

D00

Change active from (date):

Estimated 2019-07-01

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

nRF52840-QIAA D00

Last time order (date): (optional)

N/A

Final shipment date: (optional)

N/A

Samples & Reports Available (date/build code): (optional)

	Samples	Production Parts
nRF52840-QIAA DA0/D00	2018-11-15	2019-01-01

Attachments: No Yes – describe:

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Authorization for Nordic Semiconductor

Product Manager: Kjetil Holstad Date: 2018-11-21

Sign: 

Quality Director: Ebbe Rømcke Date: 2018-11-21

Sign: 

Please note that all last time buy orders are non-cancellable and non-returnable.

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