

|                                   |                                  |                                 |
|-----------------------------------|----------------------------------|---------------------------------|
| PCN no.: <b>PCN-104 rev. 1.0</b>  | Date: <b>2017-09-28</b>          |                                 |
| Device affected: <b>All</b>       | Device version / Build Code: All |                                 |
| Data sheet references: <b>N/A</b> | Agreement reference: <b>N/A</b>  | Customers reference: <b>N/A</b> |

**Description of change:**

Inclusion of bag seal date information on:

- 1) Moisture Sensitivity Level (MSL) label of WLCSP and wafer products
- 2) Inner box label of all products. The 2D barcode of the inner box label will contain the bag seal date information.

Note: Nordic will continue to ship products from existing inventory with the old labels, until stock has been depleted.

**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 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 checked="" type="checkbox"/> Minor | <input type="checkbox"/> Major           |

**Reason for change:**

To aid the user in determining the shelf life of a product

**Consequences of change:**

1. The change provides the user an easy reference in calculating the shelf life of the product.
2. User may need to re-configure the application program to match the new 2D barcode's content and sequence.

**Verification of change:**

The new labels passed Nordic's standard qualifications and approval.

**Marking/Shipping labels:**



Note: No change on product marking.

**2D barcode change:** Bag seal date was added before the box ID.

Current content & sequence: Part number|Trace code|quantity |build code |wafer lot no.|box ID

New content & sequence: Part number |Trace code|quantity |build code |wafer lot no.|**seal date**| box ID

### Definitions of Label Information

| Field         | Definition   |
|---------------|--|
| Level 1       | The product's Moisture Sensitivity classification  |
| Bag seal date | The date the product was dry-packed or vacuum-packed. Date format on actual label may vary from the date format shown on sample labels above   |
| P/N           | Part number  |
| Trace code    | A lot traceability code assigned to a given lot of homogeneous nature. It follows the alpha-numeric format of YYWWLL where:<br>YYWW the year and work week the product was assembled.<br>LL unique, system-generated alpha-series assigned per supplier's lot no.  |
| Qty           | Total quantity of units in the container   |
| Box ID        | A system-generated inventory tracking reference for Nordic's use   |
| <H><P><F>     | Alpha-numeric code collectively known as build code.<br><H> - the Hardware or wafer version used to build the product<br><P> - the combination of Production site/s where the product was manufactured<br><F> - the Firmware version loaded to the product. Number 0 means no firmware was loaded by Nordic during production. |

**Change active from (date):**

2017-10-16

**Last time order (date):** (optional)

N/A

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

N/A

**Attachments:**
 No

 Yes – describe:

**Technical contact at Nordic Semiconductor:**

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

N/A

**Final shipment date:** (optional)

N/A

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**Authorization for Nordic Semiconductor**

Product Manager: Kjetil Holstad      Date: 2017-09-28

Sign:



Quality Director: Ebbe Romcke      Date: 2017-09-28

Sign:



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