Informational Notice (IN)

IN no.: **IN_114 rev 1.0**		Date: **2019-07-11**	
Device affected: **All part numbers starting with nRF**		Device version / Build Code: **All**	
Data sheet references: **N/A**	Agreement reference: **N/A**		Customers reference: **N/A**

Description of change:

Standardization of content, lay-out and 2D barcode of the inner box & outer box labels and addition of traceability information

Summary of changes

No.	Inner box label changes	Outer box label changes
1	Introduction of data identifiers (DI)	Introduction of data identifiers
2	Addition of total inner box quantity	Deletion of wafer lot number field
3	Addition of nILN or Nordic internal lot number on the 2D barcode.	Use of 2-letter code for the country of origin instead of the full country name
4	Logo update	Logo update
5		Standardization of 2D barcode content and sequence
6		Addition of a 2nd outer box label combining the 2D barcodes of all the inner boxes contained on the given outer box

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

1.	Form	☒ No	☐ Yes – describe:
2.	Fit	☒ No	☐ Yes – describe:
3.	Function	☒ No	☐ Yes – describe:
4.	Quality or Reliability	☒ No	☐ Yes – describe:
Classification of change		☒ Minor	☐ Major

Reason(s) for change:

- Standardized data identifiers (DI's) introduced for automated parsing of 2D barcodes.
- Additional data identifiers introduced to improve traceability.
- Secondary outer box label added for better data accessibility.
- Other changes were part of over-all label standardization efforts.

Consequences of change:

- Customers employing current 2D barcodes will need to re-configure 2D barcode parsing.
- Relative to current labels, no information is removed, new fields added.
- Stocks with old labels will not be re-labeled. Thus, for a certain period, existence of 2 label formats in one shipment is possible.

Verification of change:

- These changes have been qualified according to Nordic Semiconductor's standard QA procedures.
- For current users of 2D barcode, it is recommended to conduct 2D barcode scanning trials on the new labels to ensure smooth transition to the revised 2D barcode. Sample labels are available upon request.
- For non-users of 2D barcodes, please consider using them for improved traceability.

Details of change:

Data identifiers (DI) & field names

Field Name	Data Identifier (DI)	Definition	Used in
Part No.	1P	Nordic-assigned part no.	Inner box Outer box
Trace code	1T	Nordic-assigned traceability code with format YYWWLL; YY – year, WW – workweek, LL - sequential lot code	Inner box
Trace code quantity	14Q 15Q	Beginning secondary quantity Ending secondary quantity Trace code quantity is quantity per trace code or date code. The DI's appear on the 2D barcode only	Inner box
Total quantity (inner) Quantity (outer)	Q	Number of pieces for the given container or box	Inner box Outer box
Build code	2P	Nordic-assigned code to specify product version, DI appears on 2D barcode only	Inner box Outer box
Wafer lot no.	30T	Nordic-assigned traceability other than 1T. Appears on 2D barcode only	Inner box
nILN	31T	Nordic-assigned traceability other than 1T, Nordic internal lot no. Appears on 2D barcode only.	Inner box
Box ID	3S	Nordic-assigned unique identifier of each inner box	Inner box
Seal date	9D	Date of dry packing or vacuum-sealing. Format: YYYY-MM-DD	Inner box
Customer PO No.	K	Customer-assigned order number	Outer box
Sales Order No.	1K	Nordic-assigned order number	Outer box
Delivery No.	2K	Reference shipment number assigned by the shipper	Outer box
Country of Origin (COO)	4L	2-character ISO 3166 country code	Outer box
Carton No.	13Q	(n/x) nth piece of x pieces in this shipment	Outer box

2D Barcode changes

Item	Details of change
Inner box 2D barcode sequence	FROM <Part no.>|<Tracecode1/Tracecode2/…Tracecode*n*>| <Quantity1/Quantity2/…Quantity*n*>|Build code>| <Wafer lot1/Wafer lot2/…Wafer lot*n*>|<Seal date>|<Box id>
	TO **1P**<Part no.>|**Q**<***Total quantity***>|**1T**<Tracecode1/Tracecode2/…Tracecode*n*| **14Q**<Quantity1/Quantity2/…Quantity*n*>**15Q**|**2P**<Build code>| **30T**<Wafer lot1/Wafer lot2/…Wafer lot*n*|**9D**<Seal date>|**3S**<Box ID>| **31T**<***nILN***>
Inner box Sample read-out	FROM NRF52832-QFAA-T|1916FT/1914FM|27/2423|E10|PMXG93.00/PMGV94.00| 2019-06-29|AP5598782-18
	TO **1P**NRF52832-QFAA-T|**Q*3000***|**1T**1916FT/1914FM|**14Q**27/2423**15Q**|**2P**E10| **30T**PMXG93.00/PMGV94.00|**9D**2019-06-29|**3S**AP5598782- 18|**31T*AP5598782***
Outer box 2D barcode sequence	FROM Vendor 1: <Delivery no.>|<Carton no.>/<Total no. of cartons>|Quantity Vendor 2: <Sales order no.><Carton no.><Carton quantity>
	TO **1P**<***Part no***.>|**K**<***Customer PO no***.>|**1K**<Sales order no.>|**2K**<Delivery no.>| **Q**<Quantity>|**4L**<***Country of origin***>|**13Q**<Carton no.>/<Total no. of cartons>

2D Barcode changes *(Continued)*

Item	Details of Change
Outer box 2D barcode sample read-out	FROM Vendor 1: 803010263|8/11|30000 Vendor 2: SO-0040706118000
	TO **1P*NRF52832-QFAA-R*|K*NPL41900057*|1K**SO-0040679|2K**803010263|Q**30000|4L*TW*|13Q**8/11
Secondary outer box 2D barcode sequence	Inner box 2D1&Inner box2D2&Inner box 2D3&…Inner box 2D6 Essentially, the 2D barcode of the inner boxes were simply combined with character '&' as separator between each inner box 2D barcode.

Notes: 1. Data identifiers (DI's), signified by blue, bold font, are constant, appearing in front of each data on the 2D.
2. DI will not appear on the linear barcode. Linear barcode will remain unchanged.
3. Red, bold, italics font means new data to the 2D barcode.

Change active from (date):

2019-10-01

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

To be determined

Last time order (date): (optional)

N/A

Final shipment date: (optional)

N/A

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

2019-08-15 – Sample labels for trial can be shipped upon request.

Attachments: ☐ No ☒ Yes – describe: Appendix A – Label samples

Technical contact at Nordic Semiconductor:

Std: www.nordicsemi.com, "Support"

Commercial contact at Nordic Semiconductor:

Std: www.nordicsemi.com, "Contact Us"

Authorization for Nordic Semiconductor

Product Manager: Kjetil Holstad Date: 2019-07-11 Sign:

Quality Director: Ebbe Rømcke Date: 2019-07-11 Sign:

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

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APPENDIX A: Sample shipping labels

Sample inner box label

FROM

Fig. 1 Sample current inner box label – Vendor 1

Fig. 2 Sample current inner box label – Vendor 2

TO

Fig. 3 Sample new inner box label

Note: Change(s) in red font

Sample primary & secondary outer box label

FROM

Fig. 4 Sample current outer box label – Vendor 1

Fig. 5 Sample current outer box label – Vendor 2

TO

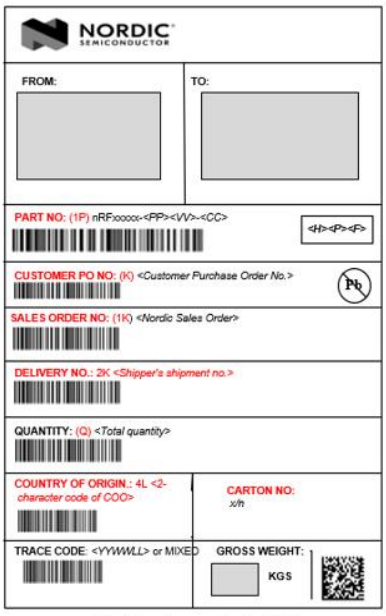

Fig. 6 Sample new outer box label

Note: Change(s) in red font

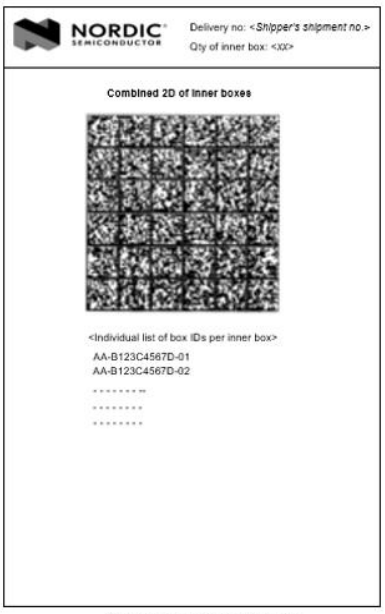

Fig. 7 Sample 2nd outer box label

Note: The 2nd outer box label will be attached beside the primary or main outer box label.