

## PRODUCT / PROCESS CHANGE INFORMATION

### 1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		MDG/20/11911
1.3 Title of PCI		ST25R, NFC Reader IC family (ST25R3911B / ST25R3916) Pb-free category symbol marking change
1.4 Product Category		ST25R3911B-AQFT ST25R3916-AQWT
1.5 Issue date		2020-01-09

### 2. PCI Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Benoit RODRIGUES
2.2.2 Marketing Manager	Sylvain FIDELIS
2.2.3 Quality Manager	Rita PAVANO

### 3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Methods	Traceability (marking content, company logo, etc...)	KYEC (Taiwan)

### 4. Description of change

	Old	New
4.1 Description	The ST25R3911B and ST25R3916 are currently shipped with the top marking showing the Pb-free category symbol "e4" (for precious metals plating)...	...while this symbol should be "e3" (for matte tin plating). This marking was mistakenly introduced during the transfer from ams to STMicroelectronics ownership with shipments using ST logo after October 2017.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	- Form: Device marking change - Fit: No change - Function: No change	

### 5. Reason / motivation for change

5.1 Motivation	Device marking and packing labels must reflect lead finishing.
5.2 Customer Benefit	QUALITY IMPROVEMENT

### 6. Marking of parts / traceability of change

6.1 Description	Not Applicable
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### 7. Timing / schedule

7.1 Date of qualification results	2019-12-10
7.2 Intended start of delivery	2020-01-01
7.3 Qualification sample available?	Upon Request

### 8. Qualification / Validation

8.1 Description	
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<b>8.2 Qualification report and qualification results</b>	In progress	<b>Issue Date</b>	
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#### **9. Attachments (additional documentations)**

11911 Public product.pdf  
 11911 PCI e4 to e3 ST25R3911B 3916 Dec 10 2019 for Notice.pdf

#### **10. Affected parts**

<b>10. 1 Current</b>		<b>10.2 New (if applicable)</b>
<b>10.1.1 Customer Part No</b>	<b>10.1.2 Supplier Part No</b>	<b>10.1.2 Supplier Part No</b>
	ST25R3911B-AQFT	
	ST25R3916-AQWT	

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## PRODUCT / PROCESS CHANGE INFORMATION

### ST25R, NFC Reader IC family (ST25R3911B / ST25R3916) Pb-free category symbol marking change

#### What is the change?

The **ST25R3911B** and **ST25R3916** are currently shipped with the top marking showing the Pb-free category symbol “e4” (for *precious metals plating*), while this symbol should be “e3” (for *matte tin plating*). This marking was incorrectly introduced during the transfer from **ams** to **STMicroelectronics** ownership with shipments using ST logo after October 2017.

Please note that there is no change on package material (including lead finishing), just a change of device marking and packing labels.

#### Why?

Device marking and packing labels must reflect lead finishing.

#### When?

The production with the marking “e3” will ramp up from January 2020 and shipments can start from 2020 onward (or earlier upon customer approval).

As ST’s warehousing is working on a FIFO\* basis, “e4” devices stocks will be depleted before new “e3” material will be shipped. (\*): *First In, First Out*

#### How will the change be qualified?

The new marking will be inspected to verify only “e3” symbol was updated.

No **Qualification Report** is required for this change. The customers are advised to verify on their assembly lines if the marking change may influence the optical recognition system.

#### What is the impact of the change?

- **Form:** Device marking change
- **Fit:** No change
- **Function:** No change

**ST25R, NFC Reader IC family  
(ST25R3911B / ST25R3916)  
Pb-free category symbol marking change**

**How can the change be identified?**

- **BOX LABEL MARKING**

On the BOX LABEL MARKING, the difference is visible inside the **Category**: “e3” symbol is appearing instead of “e4”.

→ *Example for ST25R3911B-AQFT*

**STMicroelectronics**

Manufactured under patents or patents pending  
Country Of Origin: XXXX  
Pb-free 2<sup>nd</sup> Level Interconnect  
MSL: 3 NOT MOISTURE SENSITIVE  
PBT: 260 °C Category: e3 ECOPACK2/ROHS

TYPE: **ST25R3911B-AQFT**  
**25R3911BAQFTYTKC**

Total Qty: **4000**

Trace Codes PPYWWLLL WX TF

Marking 25R3911B

Bulk ID **X0X00XXX0000**



Please provide the bulk ID for any inquiry

**ST25R, NFC Reader IC family  
(ST25R3911B / ST25R3916)  
Pb-free category symbol marking change**

**How can the change be identified?**

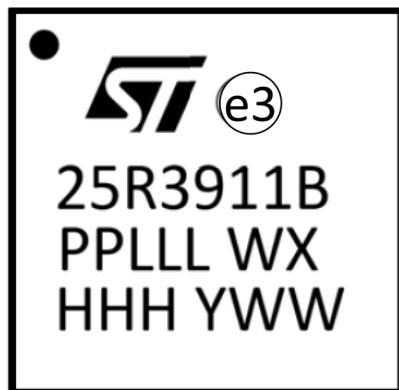
**- DEVICE MARKING**

The device marking will show Pb-free category symbol from “e4” to “e3” from January 2020.

Example:  
ST25R3911B  
old marking



Example:  
ST25R3911B  
new marking



**Legend:**

25R3911B = Product name  
PP = Assembly plant  
LLL = Sequence  
WX = Wafer plant  
HHH = Country of origin  
Y = Assembly year  
WW = Assembly week

**ST25R, NFC Reader IC family  
(ST25R3911B / ST25R3916)  
Pb-free category symbol marking change**

**Appendix A- Product Change Information**

<b>Product family / Commercial products:</b>	ST25R3911B / ST25R3916 NFC Initiator ICs
<b>Customer(s):</b>	All
<b>Type of change:</b>	Marking and labelling change
<b>Reason for the change:</b>	To have marking and labels reflecting lead finishing.
<b>Description of the change:</b>	The Pb-free category symbol on IC top marking changes from “e4” (precious metals) to “ <b>e3</b> ” (matte tin).Packing labels will be updated as well.
<b>Forecast date of the change: (Notification to customer)</b>	Week 01 / 2020
<b>Forecast date of <u>Qualification samples</u> availability for customer(s):</b>	On request
<b>Forecast date for the internal STMicroelectronics change, <u>Qualification Report</u> availability:</b>	No qualification report required.
<b>Marking to identify the changed product:</b>	The Pb-free category symbol on IC top marking changes from “e4” (precious metals) to “ <b>e3</b> ” (matte tin).
<b>Description of the qualification program:</b>	Not Applicable
<b>Product Line(s) and/or Part Number(s):</b>	ST25R3911B-AQFT ST25R3916-AQWT
<b>Estimated date of first shipment:</b>	Week 01 / 2020

## ST25R, NFC Reader IC family (ST25R3911B / ST25R3916)

## Document Revision History

## Source Documents & Reference Documents

Source document Title	Rev.:	Date:



## Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

**PCI Title :** ST25R, NFC Reader IC family

(ST25R3911B / ST25R3916)

Pb-free category symbol marking change

**PCI Reference :** MDG/20/11911

**Subject :** Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

ST25R3916-AQWT	ST25R3911B-AQFT	
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