

**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

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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 nd 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			

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How can the change be identified?

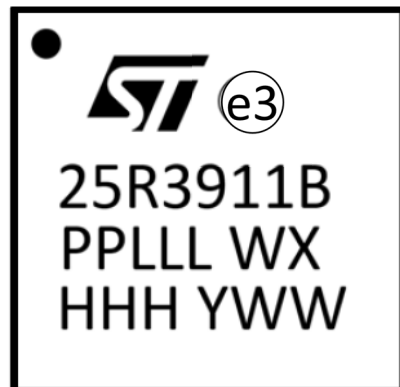
- DEVICE MARKING

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

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Appendix A- Product Change Information

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

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Document Revision History		
Date	Rev.	Description of the Revision
December 06, 2019	1.00	First draft creation

Source Documents & Reference Documents		
Source document Title	Rev.:	Date: