


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	MDG/23/13925
1.3 Title of PCN	ST25R3911B-AQFT dual source
1.4 Product Category	ST25R3911B-AQFT
1.5 Issue date	2023-02-06

2. PCN 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	Marie-France FLORENTIN
2.1.2 Marketing Manager	Sylvain FIDELIS
2.1.3 Quality Manager	Mickael DENAIS-ALLICHON

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication	ams OSRAM AG (Austria) TSMC (China) UTAC (Thailand)

4. Description of change

	Old	New
4.1 Description	- TSMC Fab 10 (China)... - ASE (Korea)/KYEC (Taiwan)... - COHU Fusion tester...	-> Addition of ams OSRAM Fab (Austria) -> Addition of UTAC (Thailand) -> Addition of Advantest T2K tester
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	- Form: Marking change - Fit: No change - Function: No change	

5. Reason / motivation for change

5.1 Motivation	Dual source will be implemented for ST25R3911B-AQFT. - On front-end side the ams OSRAM Fab (Austria) will be used in addition to TSMC Fab 10 (China). - On back-end side the UTAC (Thailand) in addition to the ASE (Korea)/KYEC (Taiwan). On test side the already qualified Advantest T2K tester will be added to the COHU Fusion tester.
5.2 Customer Benefit	DOUBLE SOURCING

6. Marking of parts / traceability of change

6.1 Description	See detailed document
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7. Timing / schedule

7.1 Date of qualification results	2023-04-21
7.2 Intended start of delivery	2023-05-05
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)

13925 Public product.pdf
13925 PCN ST25R3911B-AQFT ams - UTAC.pdf

10. Affected parts

10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
	ST25R3911B-AQFT	

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ST25R3911B-AQFT dual source

What is the change?

Dual source will be implemented for ST25R3911B-AQFT.

- On front-end side the **ams OSRAM Fab (Austria)** will be used in addition to TSMC Fab 10 (China).
- On back-end side the **UTAC (Thailand)** in addition to the ASE (Korea)/KYECC (Taiwan). On test side the already qualified Advantest T2K tester will be added to the COHU Fusion tester.

Why?

ST is committed to ensure delivery to its customers and needs to react to market situations trying to mitigate any potential delivery bottlenecks in advance. Therefore, a dual source will be introduced for the ST25R3911B-AQFT to ensure best delivery times and availability to customers.

When?

First products can be shipped by **Week 18 / 2023**. Flow used and final good delivered is at the discretion of ST.

How will the change be qualified?

The products from the new sources will be qualified using the standard ST Microelectronics Corporate Procedures for Quality & Reliability.

What is the impact of the change?

- **Form:** Marking change
- **Fit:** No change
- **Function:** No change

How can the change be seen?

- **BOX LABEL MARKING**

On the BOX LABEL, the difference is visible on the Finished Good part Number, the Trace code and the Country of Origin:

Manufactured under patents or patents pending
Country Of Origin: **Thailand**
Pb-free 2nd Level Interconnect
MSL: 3 Bag seal date: XXXX
PBT: 260 °C
TYPE: ST25R3911B-AQFT
25R3911BAQFTY T U C
or 25R3911BAQFTY A U C
Total Qty: **4000**
Trace Codes **FN** YWWLLL **P2** **FN**
Marking 25R3911B
Please provide the bulk ID for any inquiry

Wafer fab FG code:
A: Additional ams OSRAM (Austria)
T: Current TSMC (China)

Back-end plant FG code:
U: New UTAC (Thailand)
K: ASE (Korea) / KYEC (Taiwan)

Test & Finishing country & plant trace code:
FN: New UTAC (Thailand)
AK: Current KYEC (Taiwan)

Assembly country & plant trace code:
FN: New UTAC (Thailand)
HA: Current ASE (Korea)

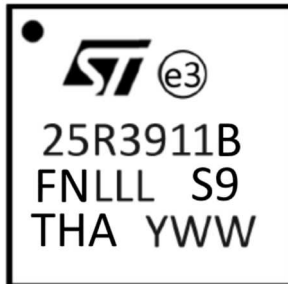
Wafer fab country & plant trace code:
P2: Additional ams OSRAM (Austria)
S9: Current TSMC wafer fab 10 (China)

How can the change be seen?

- **DEVICE MARKING**



Current marking:



New marking for FG
25R3911BAQFTYTUC



New marking for FG
25R3911BAQFTYAUC

Legend:



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

Appendix A- Product Change Information

Product family / Commercial products:	ST25R3911B-AQFT
Customer(s):	All
Type of change:	Dual Source
Reason for the change:	Dual source
Description of the change:	New package & diffusion source
Forecast date of the change: (Notification to customer)	Week 05 / 2023
Forecast date of <u>Qualification samples</u> availability for customer(s):	See details in APPENDIX B
Forecast date for the internal STMicroelectronics change, <u>Qualification Report</u> availability:	See details in APPENDIX B Week 16 / 2023 (RERCS2208)
Marking to identify the changed product:	See details in marking paragraph
Description of the qualification program:	Standard ST Microelectronics Corporate Procedures for Quality and Reliability
Product Line(s) and/or Part Number(s):	ST25R3911B-AQFT
Manufacturing location:	ams OSRAM AG (Austria) TSMC (China) UTAC (Thailand)
Estimated date of first shipment:	Samples: See details in APPENDIX B Production : Week 18 / 2023

ST25R3911B, NFC Reader IC
Dual source implementation

Appendix B: Samples, Qualification report and shipments:

Product name	Finished good	Samples	Qual. report	Shipments
ST25R3911B-AQFT	25R3911BAQFTYTUC	Available	Week 16 / 2023	Week 18 / 2023
	25R3911BAQFTYAUC	Week 18 / 2023		Week 27 / 2023



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

PCN Title : ST25R3911B-AQFT dual source

PCN Reference : MDG/23/13925

Subject : Public Products List

Dear Customer,

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

ST25R3911B-AQFT		
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