

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/19/11330	
1.3 Title of PCN	ST Muar (Malaysia) HD line capacity extension STM8 & STM32 LQFP 10x10 64L listed products	
1.4 Product Category	STM8 & STM32 LQFP 10x10 64L listed products	
1.5 Issue date	2019-04-29	

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	Ricardo Antonio DE SA EARP
2.1.2 Marketing Manager	Veronique BARLATIER
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New direct material part number (same supplier, different supplier or new supplier), Bond wire material, diameter	ST Muar (Malaysia)

4. Description of change

	Old	New
4.1 Description	Back-end sources: - Stats ChipPAC JSCC Jiangyin China - ST Muar Malaysia (existing capacity line) - Amkor ATP Philippines - ASE Kaohsiung Taiwan	Back-end sources: - Stats ChipPAC JSCC Jiangyin China - ST Muar Malaysia (existing capacity line) - Amkor ATP Philippines - ASE Kaohsiung Taiwan - ST Muar Malaysia (extended capacity line)
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	SS marking is inserted. Pin1 identifier remains in the same corner but might change in terms of form and positioning. Package darkness changes depending on molding compound.	

5. Reason / motivation for change

5.1 Motivation	Due to the success on the market of STM8 and STM32 devices, ST Microcontrollers Division decided to qualify an additional back-end site to maintain state of the art service level to our customers thanks to extra capacity.
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Change is visible in the marking. Please refer to PCN 11330 – Additional information attached document.
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7. Timing / schedule

7.1 Date of qualification results	2019-05-15
7.2 Intended start of delivery	2019-06-16
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	11330 MDG-MCD-RER1910 PCN11330-ST MUAR HD line capacity extension STM8 & STM32 LQFP 10x10 64L.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-04-29
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9. Attachments (additional documentations)
11330 Public product.pdf 11330 MDG-MCD-RER1910 PCN11330-ST MUAR HD line capacity extension STM8 & STM32 LQFP 10x10 64L.pdf 11330 PCN11330 Additional information.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
	STM32F100R4T6B	
	STM32F100R4T6BTR	
	STM32F100R6T6B	
	STM32F100R6T6BTR	
	STM32F100R8T6B	
	STM32F100R8T6BTR	
	STM32F100R8T7B	
	STM32F100R8T7BTR	
	STM32F100RBT6B	
	STM32F100RBT6BTR	
	STM32F100RCT6	
	STM32F100RCT6TR	
	STM32F101R8T6	
	STM32F101R8T6TR	
	STM32F101RBT6	
	STM32F101RBT6TR	
	STM32F101RCT6	
	STM32F101RCT6TR	
	STM32F101RDT6	
	STM32F101RDT6TR	
	STM32F101RET6	
	STM32F101RET6TR	
	STM32F102R8T6	
	STM32F102RBT6	
	STM32F103R8T6	
	STM32F103R8T6TR	
	STM32F103R8T7	
	STM32F103RBT6	
	STM32F103RBT6TR	
	STM32F103RBT7	
	STM32F103RCT6	
	STM32F103RCT6TR	
	STM32F103RCT7	
	STM32F103RCT7TR	
	STM32F103RDT6	
	STM32F103RDT6TR	
	STM32F103RET6	
	STM32F103RET6TR	
	STM32F103RET7	
	STM8L052R8T6	
	STM8L052R8T6TR	

	STM8L151R6T6	
	STM8L151R6T6TR	
	STM8L151R8T6	
	STM8L151R8T6TR	
	STM8L152R6T6	
	STM8L152R8T6	
	STM8L162R8T6	
	STM8S207R6T6	
	STM8S207R6T6TR	
	STM8S207R8T3	
	STM8S207R8T3TR	
	STM8S207R8T6	
	STM8S207R8T6TR	
	STM8S207RBT3	
	STM8S207RBT3TR	
	STM8S207RBT6	
	STM8S207RBT6TR	
	STM8S208R8T6	
	STM8S208RBT3	
	STM8S208RBT6	

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**ST Muar (Malaysia) HD line capacity extension
STM8 & STM32 LQFP 10x10 64L listed products**

MDG - Microcontrollers Division (MCD)

What are the changes?

LQFP 10x10 packages change is limited to wire bonding material only.

	Existing back-end lines				Added back-end line
Assembly site	Stats ChipPAC JSCC Jiangyin China	ST Muar Malaysia	ASE Kaohsiung Taiwan	Amkor ATP Philippines	ST Muar Malaysia
Resin (1)	Sumitomo G631SHQ	Sumitomo G700LS	Sumitomo EME-G631SH	Sumitomo G631HQ	Sumitomo G700LS
Glue	Ablestik 3230	Hitachi EN4900GC	Sumitomo CRM 1076WA	Evertech AP4200	Hitachi EN4900GC
Wire	Silver 96.5% 0.8mil	Gold 0.8mil	Gold 0.8mil	Gold 0.8mil	Silver 96.5% 0.8mil
Enhanced Traceability in marking	2 digits	No digit	2 digits	No digit	2 digits

(1) Package darkness changes depending on molding compound.

Pin1 identifier can change in terms of form and positioning.
Marking position and size could be different upon assembly site, without any loss of information.

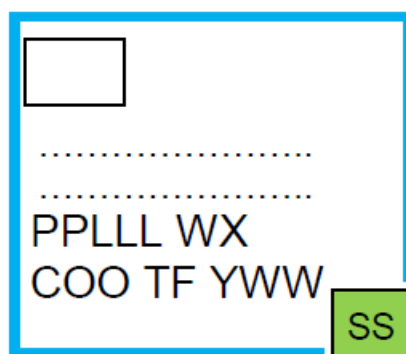
How can the change be seen?

PP code indicates the Assembly traceability plant code.

Existing		Additional	
PP code	Fab	PP code	Fab
GQ	Stats ChipPAC JSCC Jiangyin China	99	ST Muar Malaysia
99	ST Muar Malaysia		
7B	Amkor ATP Philippines		
AA	ASE Kaohsiung Taiwan		

In case parts **PP** code is 99 then check Enhanced traceability in marking (**SS** marking)
 Products from existing ST Muar Malaysia assembly line doesn't have SS marking while
 products from extended capacity line will have SS marking.

SS marking is inserted at the bottom right corner and indicates the subplot assembly traceability information.

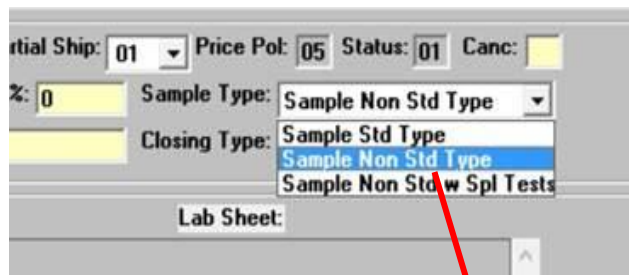
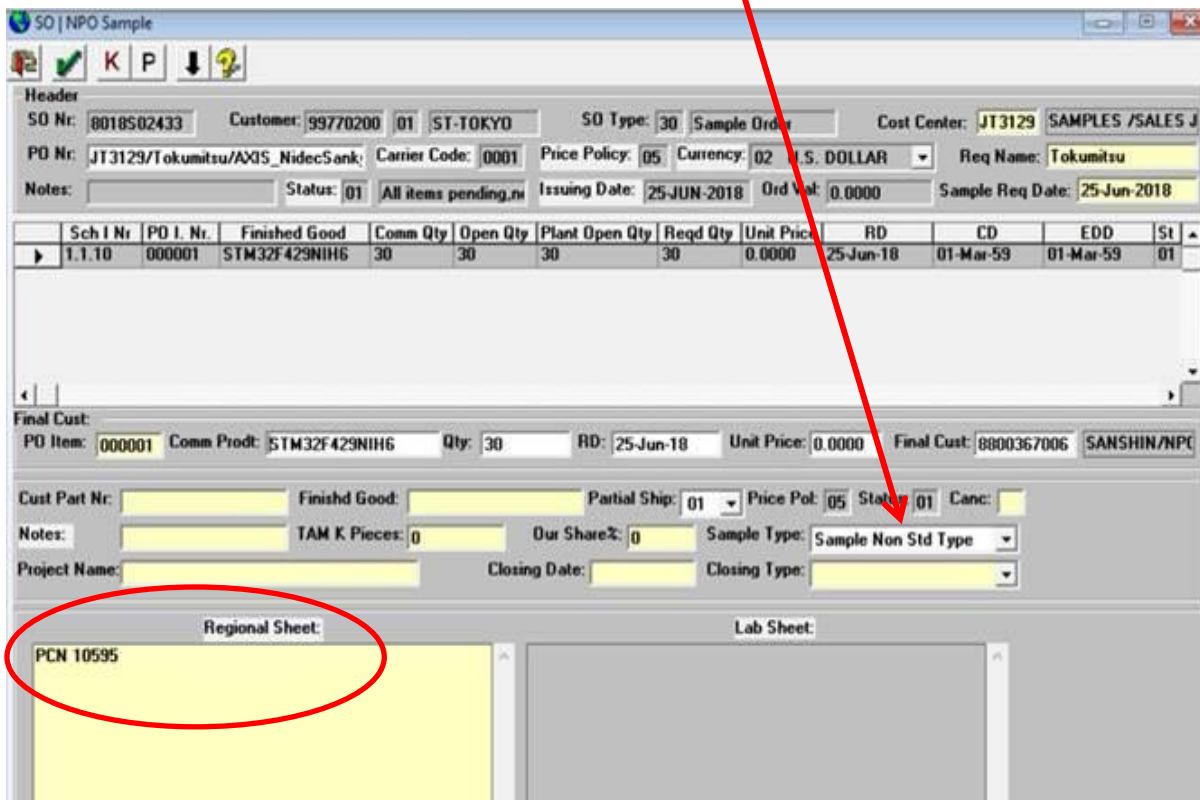


Please refer to the [DataSheet](#) for marking details.

How to order samples?

For all samples request linked to this PCN, please:

- place a **Non-standard** sample order (choose Sample Non Std Type from pull down menu)
- insert the PCN number "**PCN 11330**" into the NPO Electronic Sheet/**Regional Sheet**
- request sample(s) through Notice tool, indicating a single Commercial Product for each request

Header

SO Nr: 8018502433 Customer: 99770200 01 ST-TOKYO SO Type: 30 Sample Order Cost Center: JT3129 SAMPLES /SALES J

PO Nr: JT3129/Tokumitsu/AXIS_NidecSank Carrier Code: 0001 Price Policy: 05 Currency: 02 U.S. DOLLAR Req Name: Tokumitsu

Notes: Status: 01 All items pending,ni Issuing Date: 25-JUN-2018 Ord Val: 0.0000 Sample Req Date: 25-Jun-2018

Sch I Nr	PO I. Nr.	Finished Good	Comm Qty	Open Qty	Plant Open Qty	Reqd Qty	Unit Price	RD	CD	EDD	St
1.1.10	000001	STM32F429NIH6	30	30	30	30	0.0000	25-Jun-18	01-Mar-59	01-Mar-59	01

Final Cust: PO Item: 000001 Comm Prod: STM32F429NIH6 Qty: 30 RD: 25-Jun-18 Unit Price: 0.0000 Final Cust: 8800367006 SANSHIN/NPC

Cust Part Nr: Finished Good: Partial Ship: 01 Price Pol: 05 Status: 01 Canc:

Notes: TAM K Pieces: 0 Our Share: 0 Sample Type: Sample Non Std Type

Project Name: Closing Date: Closing Type:

Regional Sheet: PCN 10595

Lab Sheet:

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Public Products List

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PCN Title : ST Muar (Malaysia) HD line capacity extension STM8 & STM32 LQFP 10x10 64L listed products

PCN Reference : MDG/19/11330

Subject : Public Products List

Dear Customer,

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

STM32F101RDT6	STM8L052R8T6	STM32F103RDT6TR
STM32F103RET6TR	STM32F101RET6	STM32F103R8T6TR
STM8S207RBT6TR	STM32F103RCT6TR	STM32F101RDT6TR
STM32F103RET6	STM32F101R8T6	STM8S207R6T6TR
STM32F101RET6TR	STM32F101RCT6	STM8S207R8T6
STM32F103R8T7TR	STM32F100R8T7B	STM32F101RCT6TR
STM32F100R4T6B	STM32F103RET7	STM8S207R6T6
STM32F103RDT6	STM32F103R8T7	STM32F100R6T6BTR
STM32F101R8T6TR	STM8L152R8T3	STM8S207RBT3
STM8L151R8T6TR	STM32F102R8T6	STM32F100RBT6B
STM8L151R8T6	STM32F103RBT6	STM32F102RBT6
STM8S207RBT6	STM8S208RBT6	STM8L152R6T6
STM32F103RCT6	STM8S207R8T3TR	STM8S208R8T6
STM32F100R6T6B	STM32F101RBT6	STM32F100R8T6BTR
STM32F100R8T6B	STM32F103RCT7	STM32F100RBT6BTR
STM8S207R8T3	STM32F102RBT6TR	STM32F101RBT6TR
STM32F100R4T6BTR	STM32F103RBT6TR	STM8L151R6T6TR
STM32F103R8T6	STM32F100R8T7BTR	STM8L151R6T6
STM8L052R8T6TR	STM8L152R6T6TR	STM8S207R8T6TR
STM8S208RBT3	STM8L162R8T6	STM8L152R8T6



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