


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/18/10671	
1.3 Title of PCN	TSMC (Taiwan) additional source for STM32F4 listed products in M10/90nm technology	
1.4 Product Category	STM32F401xD/Ex & STM32F411/412/413x & STM32F423x & STM32F446x products in M10/90nm technology	
1.5 Issue date	2018-06-14	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	MARSHALL DAVE
2.1.2 Phone	
2.1.3 Email	dave.marshall@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Michel BUFFA
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
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication	TSMC Fab14 (Taiwan)

4. Description of change

	Old	New
4.1 Description	Front-end source: - ST Crolles CR300 (France)	Front-end sources: - ST Crolles CR300 (France) - Existing source - TSMC Fab14 (Taiwan) - Additional source - There is no change in the product functionality. Please refer to PCN 10671 – Additional information attached document.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no change	

5. Reason / motivation for change

5.1 Motivation	Due to the success on the market of STM32 devices, ST Microcontrollers Division decided to qualify an additional front-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 through diffusion traceability plant, in the marking: - "VQ" for ST Crolles CR300 (France) - "9R" for TSMC Fab14 (Taiwan) Please refer to PCN 10671 – Additional information attached document.
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7. Timing / schedule

7.1 Date of qualification results	2018-09-14
7.2 Intended start of delivery	2018-09-14
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	10671 MDG-MCD RER1715 - PCN10333 - PCN10544 - PCN10595 - PCN10703 - PCN10596 - PCN10671 TSMC Taiwan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2018-06-14

9. Attachments (additional documentations)

10671 Public product.pdf
10671 PCN10671_Division Note M10 Additional Source.pdf
10671 MDG-MCD RER1715 - PCN10333 - PCN10544 - PCN10595 - PCN10703 - PCN10596 - PCN10671 TSMC Taiwan.pdf
10671 PCN10671_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
	STM32F411CEY6TR	
	STM32F446VET6	
	STM32F412VEH3TR	
	STM32F412VET3	
	STM32F412ZEJ3	
	STM32F412ZGT6	
	STM32F413CGU6	
	STM32F413VGH6	
	STM32F413VHT6	
	STM32F446MCY6TR	
	STM32F446MEY6TR	
	STM32F446VCT6	
	STM32F446VCT7	
	STM32F446ZEH7	
	STM32F446ZEJ6	
	STM32F446ZET6U	

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