


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/24/14291	
<b>1.3 Title of PCN</b>	ST Calamba (Philippines) additional assembly plant for STM32MP15x product in BGA10x10, BGA18x18 packages	
<b>1.4 Product Category</b>	STM32MP15x products in LFBGA18X18 and TFBGA10X10	
<b>1.5 Issue date</b>	2024-02-09	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	PIKE EMMA
<b>2.1.2 Phone</b>	+44 1628896111
<b>2.1.3 Email</b>	emma.pike@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Ricardo Antonio DE SA EARP
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Assembly site (SOP 2617)	- AMKOR ATK (Korea) - ASE KAOHSIUNG (Taiwan) - ST CALAMBA (Philippines)

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	Existing Back-end source: - Amkor ATK Korea - ASE Kaohsiung Taiwan	Back-end sources: - Amkor ATK Korea - ASE Kaohsiung Taiwan - ST Calamba Philippines - Additional source For detailed information, please refer to PCN14291 – Additional information attached document.
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	Additional Assembly site Package darkness changes depending on molding compound. Marking position and size could be different upon assembly site, without any loss of information.	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Due to the success on the market of 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.
<b>5.2 Customer Benefit</b>	CAPACITY INCREASE

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

<b>6.1 Description</b>	Change is visible through assembly traceability plant, in the marking: - "HP" for Amkor ATK Korea - "AA" for ASE Kaohsiung Taiwan - "78" for ST Calamba Philippines Please refer to PCN 14291– Additional information attached document.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2023-12-20
<b>7.2 Intended start of delivery</b>	2023-12-20
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	14291 MDG-GPM-RER2301 PCN14291 ST Calamba additional assy STM32MP15x BGA10&18 reliability plan.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2024-02-09

**9. Attachments (additional documentations)**

14291 Public product.pdf  
14291 MDG-GPM-RER2301 PCN14291 ST Calamba additional assy STM32MP15x BGA10&18 reliability plan.pdf  
14291 PCN14291\_Additional information.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>
	STM32MP153AAA3	

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