


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/24/14405	
1.3 Title of PCN	ST Calamba (Philippines) UFQFPN 7x7 48L package line additional source for STM32G05x/G06x, STM32L45x/L46x and STM32G0Bx/G0Cx listed products	
1.4 Product Category	STM32G05x/G06x, STM32L45x/L46x and STM32G0Bx/G0Cx	
1.5 Issue date	2024-05-29	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	PIKE EMMA
2.1.2 Phone	+44 1628896111
2.1.3 Email	emma.pike@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
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)	ST Calamba (Philippines)

4. Description of change

	Old	New
4.1 Description	Back-End Sources - ASE KaoHsiung (Taiwan) - STATSChipPAC JSCC (China)	Back-End Sources - ASE KaoHsiung (Taiwan) / Bonding Wire is Gold - STATSChipPAC JSCC (China) / Bonding Wire is Gold - ST Calamba (Philippines) / Bonding Wire is Copper Alloy
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Lead color and surface finish change depending on leadfinishing. Package darkness changes depending on molding compound. Pin1 identifier might change in terms of form and positioning. Marking position and size could be different upon assembly site, without any loss of information.	

5. Reason / motivation for change

5.1 Motivation	Due to the success on the market of STM32 devices, ST General Purpose Microcontrollers Group 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	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Change is visible through assembly traceability plant, in the marking: - "GQ" for Stats ChipPAC Jiangyin China (JSCC) - "AA" for ASE Kaohsiung Taiwan - "78" for ST Calamba Philippines Please refer to PCN 14173 Additional information attached document.
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7. Timing / schedule

7.1 Date of qualification results	2024-07-15
7.2 Intended start of delivery	2024-07-22
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	14405 MDG-GPM-RER2317 PCN14405 ST CLB UFQFN7x7 48L STM32G-Cx - Reliability plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-05-29

9. Attachments (additional documentations)	
14405 Public product.pdf 14405 MDG-GPM-RER2317 PCN14405 ST CLB UFQFN7x7 48L STM32G-Cx - Reliability plan.pdf 14405 PCN14405_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
	STM32L451CEU6	
	STM32G051C6U6	
	STM32G061C6U6	
	STM32G061C8U6	
2851022	STM32L451CCU3	
2758807	STM32L452CEU6	

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