

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/21/12854	
1.3 Title of PCN	ASE Kaohsiung (Taiwan) additional source in LQFP7X7 package - extended list of products	
1.4 Product Category	LQFP 7x7 listed products Family of products: STM32G0 128K STM32G0 512K STM32G03 64K STM32G05 64K STM32L46x 512KB STM32L4P 1MB STM32L5 512K	
1.5 Issue date	2021-07-08	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	KRISZTINA NEMETH
2.1.2 Phone	+49 89460062210
2.1.3 Email	krisztina.nemeth@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)	ASE Kaohsiung (Taiwan)

4. Description of change

	Old	New
4.1 Description	Back-end sources: - Stats ChipPAC Jiangyin China (JSCC)	Back-end sources: - Stats ChipPAC Jiangyin China (JSCC) - ASE Kaohsiung Taiwan - Additional source For more information, please refer to PCN12854 – Additional information attached document.
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 can 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 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 through assembly traceability plant, in the marking: - "GQ" and "GH" for Stats ChipPAC China - "AA" for ASE Kaohsiung Taiwan Please refer to PCN 12854 – Additional information attached document.
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7. Timing / schedule	
7.1 Date of qualification results	2021-06-25
7.2 Intended start of delivery	2021-07-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	12854 MDG-MCD-RER1810 V5 -ASE Kaohsiung for LQFP 7x7_10x10_14x14_20x20 STM8L STM32 - reliability evaluation report.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2021-07-08

9. Attachments (additional documentations)	
12854 Public product.pdf 12854 MDG-MCD-RER1810 V5 -ASE Kaohsiung for LQFP 7x7_10x10_14x14_20x20 STM8L STM32 - reliability evaluation report.pdf 12854 PCN12854_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
	STM32G030C6T6	
	STM32G030C8T6	
	STM32G030K6T6	
	STM32G030K6T6TR	
	STM32G030K8T6	
	STM32G031C6T6	
	STM32G031C8T6	
	STM32G031K6T6	
	STM32G031K8T6	
	STM32G041C8T6	
	STM32G041K8T6	
	STM32G050C8T6	
	STM32G051C8T6	
	STM32G061C8T6	
	STM32G070KBT6	
	STM32G070KBT6TR	
	STM32G071K8T3	
	STM32G071K8T3TR	
	STM32G071KBT3	
	STM32G071KBT6	
	STM32G071KBT6N	
	STM32G0B1CCT6	
	STM32G0B1CET6	
	STM32L451CET6	
	STM32L552CET6	
	STM32L562CET6P	
	STM32G030C6T6TR	
	STM32G030K8T6TR	
	STM32G050K8T6	
	STM32G051K6T6	
	STM32G051K8T6	
	STM32G0B1CET6N	
	STM32L562CET3P	

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