

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/19/10457	
<b>1.3 Title of PCN</b>	ASE Kaohsiung (Taiwan) additional source for WLCSP 12"	
<b>1.4 Product Category</b>	WLCSP 12" listed products	
<b>1.5 Issue date</b>	2019-04-17	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	MARSHALL DAVE
<b>2.1.2 Phone</b>	
<b>2.1.3 Email</b>	dave.marshall@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)	ASE Kaohsiung Taiwan

**4. Description of change**

	Old	New
<b>4.1 Description</b>	Back-end source: - Stats ChipPAC Singapore (SCS) WLCSP8" - ASE Kaohsiung WLCSP8" - Amkor ATT Taiwan WLCSP12"	Back-end source: - Stats ChipPAC Singapore (SCS) WLCSP8" - ASE Kaohsiung WLCSP8" - Amkor ATT Taiwan WLCSP12" - ASE Kaohsiung Taiwan Additional source for WLCSP12" For more information, please refer to PCN10457 – Additional information attached document.
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	Ball A1 identifier remains in the same corner but 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**

<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 in the marking. Please refer to PCN 10457 – Additional information attached document.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2019-06-14
<b>7.2 Intended start of delivery</b>	2019-07-14
<b>7.3 Qualification sample available?</b>	Upon Request

8. Qualification / Validation			
<b>8.1 Description</b>	10457 MDG-MCD-RER1909-PCN 10457-ASE Kaohsiung additional source for WLCSP12pptx.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2019-04-17
9. Attachments (additional documentations)			
10457 Public product.pdf 10457 MDG-MCD-RER1909-PCN 10457-ASE Kaohsiung additional source for WLCSP12pptx.pdf 10457 PCN10457_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	
2488308	STM32F446MEY6TR		
2503271	STM32F469AIY6TR		
2851011	STM32L071CBY6TR		
2851012	STM32L072CZY3TR		
2851013	STM32L072CZY6DTR		
2851019	STM32L431CBY7TR		
2855685	STM32L431CCY6TR		
2855689	STM32L431RBY6TR		
2855691	STM32L431RCY6TR		
2855695	STM32L433CCY6TR		
2855698	STM32L433RBY6TR		
2851021	STM32L433RCY3TR		
2855702	STM32L433RCY6TR		
2855705	STM32L443CCY6TR		
2855707	STM32L443RCY6TR		
2855713	STM32L451REY6TR		
2855723	STM32L452REY6TR		
2855726	STM32L462REY6TR		
2855729	STM32L476MEY6TR		
2851029	STM32L496VGY6PTR		
2851050	STM32L4R9Ziy6TR		
2851062	STM32L4S9Ziy6TR		

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