

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/19/10690	
<b>1.3 Title of PCN</b>	ASE Kaohsiung (Taiwan) additional source for UFBGA 5X5 7x7 10x10 package products	
<b>1.4 Product Category</b>	UFBGA 5X5 7x7 10x10 listed products	
<b>1.5 Issue date</b>	2019-03-08	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	MARCELI SMIALKOWSKI
<b>2.1.2 Phone</b>	+44 1628896277
<b>2.1.3 Email</b>	marceli.smialkowski@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**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	Back-end source: - Amkor ATP Philippines	Back-end sources: - Amkor ATP Philippines - ASE Kaohsiung Taiwan - Additional source For more information, please refer to PCN10690 – Additional information attached document.
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	Visual aspect (color) might change depending on substrate material. Package darkness might change depending on molding compound. Ball1 identifier remain 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 through assembly traceability plant, in the marking: - "7B" for Amkor ATP Philippines - "AA" for ASE Kaohsiung Taiwan Please refer to PCN 10690 – Additional information attached document.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2019-04-24
<b>7.2 Intended start of delivery</b>	2019-05-24
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	10690 MDG-MCD-RER1901-PCN 10690-ASE Kaohsiung additional source for UFBGA 5x5_7x7_10x10.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2019-03-08

**9. Attachments (additional documentations)**

10690 Public product.pdf  
10690 MDG-MCD-RER1901-PCN 10690-ASE Kaohsiung additional source for UFBGA 5x5\_7x7\_10x10.pdf  
10690 PCN10690\_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>
	STM32F439IIH6U	

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## Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

**PCN Title :** ASE Kaohsiung (Taiwan) additional source for UFBGA 5X5 7x7 10x10 package products

**PCN Reference :** MDG/19/10690

**Subject :** Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

STM32F469IIH6	STM32F427IGH6TR	STM32L072VBI6
STM32L422RBI6	STM32L471QEI7TR	STM32F207IFH6TR
STM32F446ZEJ6	STM32F412VGH6	STM32H743AII6
STM32F412ZEJ3	STM32L4A6QGI6P	STM32L072RZI6DTR
STM32F439IIH6TR	STM32H753IIK6	STM32F412VEH3TR
STM32L462REI6	STM32F427IGH7	STM32F407IGH6
STM32F427AIH6	STM32F439AIH6	STM32L452VEI6
STM32F777IIK6	STM32F410RBI6	STM32L451VEI6
STM32F469IGH6TR	STM32F429IEH6	STM32F427IIH6
STM32F427AGH6	STM32L431RCI6	STM32F413ZHJ6
STM32F446ZEH6	STM32F756IGK6	STM32F723ZCI6
STM32H750IBK6	STM32F427IIH6TR	STM32F723IEK6
STM32F446ZEJ6TR	STM32L431VCI6	STM32L471ZEJ6
STM32L452VEI3	STM32L151VBH6D	STM32F427IGH6
STM32F413VHH6	STM32F429IIH6	STM32F417IGH6TR
STM32F732IEK6	STM32F437AIH6	STM32F429AGH6
STM32L073RZI6	STM32F746IGK7	STM32F407IEH6
STM32H753AII6	STM32L552QEI6P	STM32F217IGH6
STM32F401VEH6	STM32F479IIH6	STM32F765IGK6
STM32L476ZGJ6	STM32F411VEH6	STM32L4S9AII6
STM32F429IGH6	STM32F401VBH6	STM32F407IGH7
STM32L151VBH6A	STM32L496QEI6	STM32F407IEH6TR
STM32F746IGK6	STM32F407IGH6TR	STM32F207IGH6TR
STM32L4S7AII6	STM32F413VGH6	STM32F401VCH7
STM32L552QEI6	STM32F446ZCH6	STM32H743IIK6
STM32F765IIK6	STM32F745IEK6	STM32F469AGH6TR
STM32F439IIH6	STM32F723ICK6	STM32F745IEK7
STM32F767IGK6	STM32F417IGH6	STM32F407IEH7
STM32L4R9AII6	STM32F446ZCJ6	STM32F207IGH7
STM32F439IGH6	STM32F439IIH7	STM32F429AIH6
STM32F469AIH6	STM32F207IEH6	STM32F733IEK6
STM32L4R5AII6P	STM32L072RZI6D	STM32F207ICH6
STM32L083VZI6	STM32L152V8H6A	STM32L072VZI6
STM32F427IIH7	STM32L4S5AII6	STM32F446ZCH7
STM32L476QGI6	STM32L496AGI6	STM32F437IIH6
STM32L412RBI6P	STM32L496AGI3	STM32F437IGH6



## Public Products List

STM32F413ZGJ6TR	STM32F412ZGJ6	STM32F446ZEH7
STM32F401VCH6	STM32F429IIH6TR	STM32L486QGI6TR
STM32L452RCI6	STM32L4R5QGI6TR	STM32F469IGH6
STM32F207IEH6TR	STM32F407IGH6J	STM32F413ZGJ6
STM32F412ZEJ6	STM32L152VCH6	STM32L4R5QGI6
STM32F469AGH6	STM32F423VHH6	STM32L072RZI6TR
STM32F479AIH6	STM32F479IGH6	STM32L471ZGJ6
STM32F417IGH6W	STM32F479AGH6	STM32F429AGH6TR
STM32F437IIH6TR	STM32L072V8I6	STM32L562QEI6Q
STM32F401VDH6	STM32F723ZEI6	STM32F401VBH3
STM32L433VCI3	STM32L476QGI3	STM32L486QGI6
STM32F412VEH6	STM32F767IIK6	STM32F446ZEJ7TR
STM32L471QGI6	STM32F745IGK6	STM32F765IIK7
STM32L431RBI6TR	STM32L462VEI6	STM32L476QGI6P
STM32F207IGH6J	STM32F437AIH6TR	STM32L4R9ZGJ6
STM32F745IEK7TR	STM32F745IGK6TR	STM32L4R9AGI6
STM32L433RCI3	STM32F469AEH6	STM32L471ZEJ6TR
STM32L412R8I6	STM32F207IFH6	STM32L496AEI6
STM32L151QEH6	STM32F217IEH6	STM32L451REI6
STM32L476QEI6TR	STM32L443RCI6	STM32L471QEI7
STM32L4A6AGI6P	STM32F469IEH6	STM32L162VCH6TR
STM32F730I8K6	STM32L073RZI6TR	STM32L452REI6
STM32L496QGI6P	STM32F446ZEH7TR	STM32L072RBI6TR
STM32F411VEH6TR	STM32L4A6AGI6	STM32F777IIK7
STM32L152QEH6	STM32F417IEH6	STM32L451VCI6
STM32L4A6QGI6	STM32L431RBI6	STM32F722IEK6
STM32L4R5AII6	STM32F722ICK6	STM32F410RBI3
STM32L433RCI6TR	STM32L433RBI6	STM32H743IIK6TR
STM32L431RBI3	STM32L443VCI6	STM32F733ZEI6
STM32L151VCH6TR	STM32F423ZHJ6	STM32L443RCI3
STM32L072RBI6	STM32F446ZEH6TR	STM32L452REI3
STM32L4S9ZIJ6	STM32F207IGH6	STM32L152VBH6A
STM32L4S5QII6	STM32L4R7AII6	STM32L433RCI6
STM32L471QEI6TR	STM32L162VCH6	STM32L476QEI6
STM32L4R9ZIJ6	STM32F412ZGJ6TR	STM32L496AGI6P
STM32L072RZI6	STM32F446ZEJ7	STM32L462VEI6TR
STM32L4S5QII3P	STM32L4R5QII6P	STM32F427AIH6TR
STM32L451RCI6	STM32L552QEI6Q	STM32L471QEI6
STM32L4R5QII6	STM32L073VZI6	STM32L496QGI3
STM32L073VZI6TR	STM32F746IEK6	STM32L443RCI6TR
STM32L433VCI6	STM32L151V8H6A	STM32L452VCI6
STM32L412RBI6	STM32L151VCH6	STM32L476QGI6TR
STM32L496QGI6	STM32L4R5AGI6	



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