PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	STMicroelectronics International N.V
1.2 PCN No.	MDG/19/10689
1.3 Title of PCN	ASE Kaohsiung (Taiwan) additional source for LQFP 14x14 package products
1.4 Product Category	LQFP 14x14 listed products
1.5 Issue date	2019-01-21

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@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: - ST Muar Malaysia - Amkor ATP Philippines	Back-end sources: - ST Muar Malaysia - Amkor ATP Philippines - ASE Kaohsiung Taiwan - Additional source For more information, please refer to PCN10689 – 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 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 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: - "9H" for ST Muar Malaysia - "7B" for Amkor ATP Philippines - "AA" for ASE Kaohsiung Taiwan Please refer to PCN 10689 – Additional information attached document.

7. Timing / schedule

7.1 Date of qualification results	2019-01-18
7.2 Intended start of delivery	2019-02-18
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	10689 MDG-MCD-RER1810 PCN10548 PCN10689-ASE Kaohsiung additional source for LQFP 7x710x1014x1420x20.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	**Issue Date**	2019-01-21

9. Attachments (additional documentations)
10689 Public product.pdf 10689 MDG-MCD-RER1810 PCN10548 PCN10689-ASE Kaohsiung additional source for LQFP 7x710x1014x1420x20.pdf 10689 PCN10689_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**
	STM32F071V8T6	
	STM32F071VBT6	
	STM32F072V8T6	
	STM32F072VBT6	
	STM32F091VBT6	
	STM32F091VCT6	
	STM32F100V8T6B	
	STM32F100VBT6B	
	STM32F100VCT6B	
	STM32F100VCT6BTR	
	STM32F100VDT6B	
	STM32F100VET6B	
	STM32F101VBT6	
	STM32F101VCT6	
	STM32F101VDT6	
	STM32F101VET6	
	STM32F101VFT6	
	STM32F103V8T6	
	STM32F103VBT6	
	STM32F103VBT6TR	
	STM32F103VBT7	
	STM32F103VCT6	
	STM32F103VCT6TR	
	STM32F103VDT6	
	STM32F103VET6	
	STM32F103VET6TR	
	STM32F103VET7	
	STM32F103VFT6	
	STM32F103VFT6TR	
	STM32F103VFT7	
	STM32F103VGT6	
	STM32F105V8T6	
	STM32F105VBT6	
	STM32F105VCT6	
	STM32F105VCT6TR	
	STM32F105VCT7	
	STM32F107VBT6	
	STM32F107VCT6	
	STM32F107VCT6TR	

	STM32F107VCT7	
	STM32F205VBT6	
	STM32F205VCT6	
	STM32F205VCT7	
	STM32F205VET6	
	STM32F205VET6TR	
	STM32F205VFT6	
	STM32F205VGT6	
	STM32F205VGT6TR	
	STM32F207VCT6	
	STM32F207VET6	
	STM32F207VFT6	
	STM32F207VGT6	
	STM32F207VGT7	
	STM32F215VET6	
	STM32F215VGT6	
	STM32F217VET6	
	STM32F217VGT6	
	STM32F302VBT6	
	STM32F302VCT6	
	STM32F303VBT6	
	STM32F303VCT6	
	STM32F303VCT7	
	STM32F303VET6	
	STM32F358VCT6	
	STM32F373V8T6	
	STM32F373VCT6	
	STM32F401VBT6	
	STM32F401VCT6	
	STM32F401VDT6	
	STM32F401VET6	
	STM32F405VGT6	
	STM32F405VGT6TR	
	STM32F405VGT6V	
	STM32F405VGT7	
	STM32F407VET6	
	STM32F407VET6TR	
	STM32F407VGT6	
	STM32F407VGT6TR	
	STM32F407VGT7	
	STM32F411VCT6	
	STM32F411VET6	
	STM32F412VET6	
	STM32F413VGT6	
	STM32F413VHT6	
	STM32F415VGT6	
	STM32F417VET6	
	STM32F417VGT6	
	STM32F427VGT6	
	STM32F427VIT6	
	STM32F429VET6	

	STM32F429VGT6	
	STM32F429VIT6	
	STM32F437VGT6	
	STM32F437VIT6	
	STM32F439VGT6	
	STM32F446VET6	
	STM32F722VET6	
	STM32F730V8T6	
	STM32F745VET6	
	STM32F745VGT6	
	STM32F746VET6	
	STM32F746VGT6	
	STM32F750V8T6	
	STM32F756VGT6	
	STM32F765VGT6	
	STM32F765VIT6	
	STM32F767VGT6	
	STM32F767VIT6	
	STM32F777VIT6	
	STM32H743VIT6	
	STM32H750VBT6	
	STM32L071V8T6	
	STM32L071VBT6	
	STM32L073VBT6	
	STM32L073VZT6	
	STM32L073VZT6D	
	STM32L151V8T6	
	STM32L151V8T6A	
	STM32L151VBT6	
	STM32L151VBT6A	
	STM32L151VCT6	
	STM32L151VDT6	
	STM32L151VET6	
	STM32L152V8T6	
	STM32L152VBT6	
	STM32L152VBT6A	
	STM32L152VCT6	
	STM32L152VDT6	
	STM32L152VET6	
	STM32L162VCT6	
	STM32L431VCT6	
	STM32L433VCT3	
	STM32L433VCT6	
	STM32L443VCT6	
	STM32L451VCT6	
	STM32L451VET6	
	STM32L452VCT6	
	STM32L452VET6	
	STM32L462VET6	
	STM32L471VGT3	
	STM32L471VGT6	

	STM32L475VET6	
	STM32L475VGT6	
	STM32L476VCT6	
	STM32L476VET6	
	STM32L476VGT3	
	STM32L476VGT6	
	STM32L476VGT6TR	
	STM32L486VGT6	
	STM32L496VET6	
	STM32L496VGT3	
	STM32L496VGT6	
	STM32L4A6VGT6	
	STM32L4R7VIT6	
	STM32L4R9VIT6	

IMPORTANT NOTICE – PLEASE READ CAREFULLY

Public Products List

Publict 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 LQFP 14x14 package products

PCN Reference : MDG/19/10689

Subject : Public Products List

Dear Customer,

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

STM32F215VGT7	STM32F100V8T6B	STM32F101VCT6TR
STM32F205VCT7TR	STM32F405VGT6	STM32F407VGT6J
STM32F101V8T6	STM32F302VDT6	STM32F745VGT6
STM32F100VET7B	STM32F100V8T7B	STM32F217VGT6
STM32F103VBT6TR	STM32F303VCT7TR	STM32F207VCT6TR
STM32F207VFT6TR	STM32F100VCT6BTR	STM32F373V8T6
STM32F405VGT6J	STM32F439VGT6	STM32F105VCT6W
STM32F103VDT6TR	STM32F071VBT6	STM32L162VCT6A
STM32F207VCT6	STM32F411VET6TR	STM32F429VGT6
STM32L152VCT6D	STM32F405VGT6W	STM32F101V8T6TR
STM32F446VET7	STM32F413VGT6TR	STM32F217VET6
STM32F398VET6	STM32F215VET6	STM32F103VCT6
STM32F437VIT6WTR	STM32F378VCT6	STM32F101VET6
STM32F417VET6	STM32L083VBT6	STM32F100VBT7B
STM32F103V8T6	STM32L073VZT6	STM32F429VIT6TR
STM32F103VFT6	STM32F303VCT6TR	STM32F071V8T7
STM32F103VET6TR	STM32F427VIT6	STM32F101VDT6
STM32F373VCT6	STM32F302VCT7TR	STM32F437VIT7TR
STM32F429VET6	STM32F103VET6	STM32F107VCT6TR
STM32F401VET6TR	STM32L083V8T6	STM32L162VCT6
STM32F437VIT6TR	STM32F107VCT6	STM32L443VCT6
STM32F437VGT7TR	STM32F103VET7	STM32F105VCT6V
STM32F107VBT6	STM32F205VET7	STM32F217VGT6TR
STM32F071VBT6TR	STM32F215VGT6	STM32F207VET6
STM32F412VGT6	STM32L471VET6	STM32F405VGT6TR
STM32F446VCT6	STM32L431VCT6	STM32F401VBT6
STM32F101VFT6TR	STM32L073VBT6TR	STM32F407VGT7
STM32F205VGT6W	STM32F302VET6TR	STM32F302VBT6
STM32F205VCT6TR	STM32F417VGT6TR	STM32F103VGT6J
STM32F098VCT6	STM32L475VGT6	STM32F401VDT6
STM32F427VIT6TR	STM32F091VBT6	STM32F303VCT7
STM32F100VBT6B	STM32L476VGT6TR	STM32F103VGT6
STM32F101VCT6	STM32F103VBT6	STM32F401VDT6TR
STM32F207VGT6J	STM32F100VDT6BTR	STM32F732VET6
STM32F439VIT6	STM32F100VDT6B	STM32F105V8T6
STM32F205VGT7	STM32F417VET6TR	STM32F072VBT6

STM32L552VET6	STM32L151VCT6	STM32F103VFT6TR
STM32F205VFT6TR	STM32F103VDT6	STM32L152VET6TR
STM32L073V8T6	STM32F746VGT6	STM32F429VGT6TR
STM32F205VGT6J	STM32H743VIT6	STM32F207VCT7
STM32L073VZT3	STM32F205VGT6	STM32L151VET6TR
STM32L4R9VGT6	STM32F412VGT6TR	STM32L083VZT6
STM32F437VIT6	STM32L073VZT6D	STM32F407VGT6
STM32F427VIT7TR	STM32F071V8T6	STM32F100V8T6BTR
STM32F103VDT7	STM32F207VGT6TR	STM32F401VBT6TR
STM32F405VGT7TR	STM32F103VCT6TR	STM32F412VET3
STM32F412VET6	STM32F413VGT3	STM32F429VET6TR
STM32F107VCT7	STM32L476VGT7	STM32F401VCT6
STM32L151VET6D	STM32F105VCT7	STM32F405VGT6V
STM32F103VGT6TR	STM32L476VET6	STM32L471VGT6
STM32F427VGT6	STM32F358VCT6	STM32F071V8T7TR
STM32L452VET3	STM32L4R5VGT6	STM32F429VIT6
STM32F303VBT6	STM32F417VGT6	STM32L476VCT6
STM32L152V8T6A	STM32L475VCT6	STM32F446VET6TR
STM32F101VET6TR	STM32L072VZT6	STM32L162VCT6D
STM32L073VBT7TR	STM32L451VCT6	STM32F103VFT7
STM32F101VDT6TR	STM32F746VET6	STM32F415VGT6
STM32F205VCT7	STM32F101VFT6	STM32F207VET6TR
STM32F407VET6	STM32L4R9VIT6	STM32F417VGT7
STM32F205VCT6	STM32F105VBT6	STM32F411VET6
STM32L471VGT6TR	STM32F217VET6TR	STM32F205VBT6
STM32F103VGT7	STM32F207VGT6	STM32F407VGT7TR
STM32F302VCT6TR	STM32F722VCT6	STM32F423VHT6
STM32L152VET6	STM32F405VGT7	STM32F100VET6BTR
STM32F103VGT7TR	STM32F103VET7TR	STM32F091VCT7
STM32L476VGT6	STM32F103VBT7TR	STM32F207VGT7
STM32L152VDT6X	STM32F091VCT6	STM32F303VBT6TR
STM32F303VCT6	STM32F205VET7TR	STM32F407VGT6TR
STM32F205VGT6V	STM32L476VET6TR	STM32F205VFT6
STM32L451VET6	STM32L071V8T6	STM32F415VGT6TR
STM32L072VBT6	STM32F745VET6	STM32L152VDT6
STM32F100VBT6BTR	STM32L151VCT6ATR	STM32F746VGT7
STM32L152VBT6A	STM32L152VCT6	STM32F103V8T6TR
STM32F767VGT7	STM32L4S5VIT6	STM32L4S9VIT6
STM32L475VET6	STM32L071VZT6	STM32F105VCT6
STM32L151VBT6	STM32F101VGT6	STM32F437VGT6
STM32L071VBT6	STM32F373VBT6	STM32F765VGT7
STM32F101VBT6	STM32F072V8T6	STM32L486VGT6
STM32F469VIT6	STM32L152VCT6A	STM32F101VBT6TR
STM32F407VET6TR	STM32F100VET6B	STM32F071V8T6TR
STM32F100VDT7B	STM32L486VGT6TR	STM32F302VCT6
STM32L486VGT3	STM32F413VHT6	STM32F078VBT6
STM32F303VET7	STM32F446VET6	STM32L471VGT3
STM32F479VIT6	STM32F302VBT6TR	STM32F205VGT7TR
STM32F767VIT6	STM32F303VET6TR	STM32F437VGT7
STM32F412VET6TR	STM32F207VFT6	STM32L152VDT6TR

STM32H753VIT6	STM32F411VCT6TR	STM32L152V8T6TR
STM32L476VCT6TR	STM32F437VIT7	STM32F100VCT6B
STM32L151VBT6A	STM32L452VCT6	STM32F413VGT6
STM32F767VGT6	STM32F756VGT6	STM32F205VET6TR
STM32L471VET6TR	STM32F205VGT6TR	STM32F302VCT7
STM32F105VCT6TR	STM32L071VBT6TR	STM32F427VGT6TR
STM32L433VCT3	STM32L151VET7	STM32L152VET6D
STM32L151VCT6A	STM32L152VBT6TR	STM32F401VCT7
STM32L462VET6	STM32L073VBT6	STM32L162VET6
STM32F103VBT7	STM32F469VET6	STM32F413VGT3TR
STM32L151VCT6TR	STM32L462VET6TR	STM32F722VET6
STM32F205VET6	STM32L151VBT6TR	STM32L072V8T6
STM32L4R7VIT6	STM32L496VGT3	STM32F765VGT6
STM32L151VCT6D	STM32L151VDT7X	STM32L452VET6
STM32L152V8T6	STM32F091VBT7	STM32F412VET3TR
STM32F765VIT6	STM32F750V8T6	STM32L476VGT3
STM32F730V8T6	STM32L552VET6Q	STM32F302VDT6TR
STM32L496VGT6	STM32L4S7VIT6	STM32L151VET6DTR
STM32L151VDT6	STM32L433VCT6	STM32F401VET6
STM32F750V8T7	STM32F765VGT6TR	STM32L151VET6
STM32F373VBT7	STM32F746VET6TR	STM32L152VBT6ATR
STM32L4R5VIT6	STM32L496VGT6P	STM32F303VET6
STM32L152VBT6	STM32F479VGT6	STM32L151VBT6D
STM32L433VCT6TR	STM32L151V8T6	STM32H750VBT6
STM32F411VCT6	STM32L151V8T6A	STM32L162VDT6
STM32L071V8T6TR	STM32F303VBT7	STM32L496VET6
STM32F302VET6	STM32L496VGT6TR	STM32F303VDT6
STM32F446VCT7	STM32F777VIT6	STM32L4A6VGT6
STM32F469VGT6		

IMPORTANT NOTICE – PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.