

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/21/12916	
1.3 Title of PCN	ASE Kaohsiung (Taiwan) xFBGA package Bonding Wire procurement flexibility - On listed products	
1.4 Product Category	STM32Fx, STM32Gx, STM32Hx, STM32Lx, STM32MPx, STM32Ux, STM32Wx	
1.5 Issue date	2021-12-13	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
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
Materials	New direct material part number (same supplier, different supplier or new supplier), Bond wire material, diameter	ASE Kaohsiung (Taiwan)

4. Description of change

	Old	New
4.1 Description	ASE Kaohsiung back-end: - Gold wire bonding assembly line	ASE Kaohsiung back-end : - Gold wire bonding assembly line - New Copper Palladium added assembly line
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	Due to the success on the market of STM MCU devices, ST Microcontrollers Division decided to qualify an additional back-end line 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	traceability ensured by ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2021-12-31
7.2 Intended start of delivery	2022-03-31
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12916 MDG-MCD-RER2021 - ASE Kaohsiung (Taiwan) xFBGA Qual plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2021-12-13

9. Attachments (additional documentations)

12916 Public product.pdf
12916 MDG-MCD-RER2021 - ASE Kaohsiung (Taiwan) xFBGA Qual plan.pdf
12916 PCN12916_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
	STM32F207IGH6	
	STM32F217IGH6	
	STM32F407IGH6	
	STM32F411VEH6	
	STM32F417IGH6	
	STM32F427AIH6	
	STM32F429AGH6	
	STM32F429AIH6	
	STM32F429IEH6	
	STM32F437IIH6	
	STM32F439IIH6U	
	STM32F446ZEH6	
	STM32F756IGK6	
	STM32L4S9AII6	

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Public Products List

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PCN Title : ASE Kaohsiung (Taiwan) xFBGA package Bonding Wire procurement flexibility - On listed products

PCN Reference : MDG/21/12916

Subject : Public Products List

Dear Customer,

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

STM32F446ZCH7	STM32L443RCI3	STM32F217IEH6
STM32F723ICK6	STM32L4R7AI16	STM32L496AGI6
STM32F765I1K7	STM32F412VEH3TR	STM32F427I1H6
STM32F429I1H6TR	STM32L4S5QI13P	STM32L4P5QEI6
STM32L452VEI6	STM32L4S5AI13TR	STM32G474PBI6
STM32F407IGH6TR	STM32L422RBI6	STM32F745IGK6TR
STM32G0B1RCI6N	STM32F407IGH7	STM32L451RCI6
STM32L4R9AI16	STM32F446ZEH6TR	STM32F413VGH6
STM32F746IGK7	STM32F407IEH6TR	STM32F439I1H7
STM32G431R6I6	STM32L552QEI6Q	STM32F437AIH6TR
STM32L4R5QI16	STM32F410RBI3	STM32G474PCI6
STM32F469AGH6TR	STM32F207IFH6	STM32F723ZCI6
STM32L452VCI6	STM32F207IEH6	STM32F479AIH6
STM32F429AGH6TR	STM32F479I1H6	STM32F429AIH6
STM32F427I1H6TR	STM32WL55JCI7	STM32F437I1H6TR
STM32L431RCI6	STM32F207IGH6TR	STM32F401VCH7
STM32L476QGI6TR	STM32F439AIH6	STM32F437IGH6
STM32F765I1K6	STM32L486QGI6	STM32WL55JCI6
STM32L443RCI6TR	STM32L476QGI3	STM32F469AEH6
STM32F745IEK7TR	STM32F469IGH6	STM32F469AEH7TR
STM32F401VCH6	STM32L476QEI6TR	STM32L562QEI6
STM32L431RBI6TR	STM32F417IGH6TR	STM32F217IGH6
STM32F427IGH6TR	STM32F417IEH6	STM32F439I1H6
STM32F207IFH6TR	STM32L476QEI6	STM32F413VHH6
STM32F745IGK6	STM32F777I1K7	STM32F427I1H7
STM32F407IEH7	STM32F207IEH6TR	STM32F469AGH6
STM32L452VEI3	STM32F417IGH6	STM32F401VBH6
STM32G441RBI6	STM32L452VEI6TR	STM32F446ZEH6
STM32F429AGH6	STM32F407IGH6	STM32F412VEH6TR
STM32F207IGH7	STM32F429IGH6	STM32L4A6AGI6
STM32F412VGH6TR	STM32F439I1H6TR	STM32G474PEI6
STM32L4R5AGI6	STM32G431RBI6TR	STM32L496AGI3
STM32F417IGH6W	STM32L412RBI6P	STM32G0B1RCI6NTR
STM32F745IGK7	STM32L462REI6	STM32F437AIH6
STM32F401VEH6	STM32L462VEI6	STM32F722ICK6
STM32WLE5JCI6TR	STM32F469AEH7	STM32L552QCI6Q



Public Products List

STM32L476QGI6	STM32L4R5AII6P	STM32L443RCI3TR
STM32F469IGH6TR	STM32L431RBI6	STM32F411VEH6TR
STM32L443VCI6	STM32L496QEI6	STM32WLE5JCI6
STM32F2071CH6	STM32F730I8K6TR	STM32L4R5QII6TR
STM32L431VCI6	STM32F427AIH6	STM32F732IEK6
STM32F439IGH6	STM32G473PEI6	STM32L431VCI7TR
STM32F446ZEH7TR	STM32G491RCI6	STM32G491REI6
STM32G473PCI6	STM32L4R5QGI6TR	STM32F2071GH6
STM32L4R5AII6	STM32F767IHK6	STM32F4271GH6
STM32F407IEH6	STM32L4P5QGI6P	STM32F429IEH6
STM32L471QEI6	STM32F4271GH7	STM32L4Q5AGI6P
STM32F401VBH3	STM32L4P5QGI6	STM32F765IGK6
STM32F730I8K6	STM32G431R8I6	STM32WB55VCQ7
STM32L452REI6	STM32L433RCI6	STM32F469IEH6
STM32L4R5QII6P	STM32F401VDH6	STM32L431RCI6TR
STM32L496QGI6STR	STM32F401VEH6TR	STM32F427AIH6TR
STM32G431RBI6	STM32WLE5JBI6	STM32WB55VCQ6
STM32L496QGI3	STM32L4P5QGI6TR	STM32WLE5JCI7
STM32L4R9AGI6	STM32L4R5QGI6S	STM32L451VEI6
STM32F437IIH6	STM32L496QGI6	STM32L4S7AII6
STM32L562QEI6TR	STM32G0B1RBI6N	STM32G0B1VBI6
STM32L433VCI6	STM32G441RBI6TR	STM32F411VEH6
STM32L4A6QGI6	STM32L496QEI6TR	STM32L4P5QGI6S
STM32F469AIH6	STM32L4P5AEI6	STM32F745IEK7
STM32F479AGH6	STM32F723IEK6	STM32G474PEI6TR
STM32F469IIH6	STM32F412VEH6	STM32F733IEK6
STM32L4R5QGI6	STM32F413VHH3	STM32L486QGI6TR
STM32F746IGK6	STM32L496AEI6	STM32F446ZCH6
STM32F745IEK6	STM32F429IIH6	STM32L433RBI6
STM32F423VHH6	STM32L433RCI3	STM32F765IGK6TR
STM32L471QGI6	STM32F446ZEH7	STM32F756IGK6
STM32L4Q5QGI6P	STM32L4A6AGI6P	STM32L462VEI6TR
STM32F2171GH6TR	STM32G071RBI6	STM32G484PEI6
STM32L471QEI7	STM32L4S5QII6	STM32L476QGI6P
STM32F401VEH7	STM32G473PBI6	STM32F412VGH6
STM32L4S5AII6	STM32L496QGI6S	STM32L552QEI6
STM32L451VCI6	STM32L433RCI6TR	STM32F745IEK6TR
STM32F427AGH6	STM32F733ZEI6	STM32L433VCI6TR
STM32L471QEI6TR	STM32L4Q5AGI6	STM32F410RBI6
STM32F723ZEI6	STM32F479IIH7	STM32L471QEI7TR
STM32WB55VGGQ6	STM32WL54JCI7	STM32L452RCI6
STM32G0B1REI6N	STM32WL54JCI6	STM32WB55VGGQ7
STM32L4Q5QGI6	STM32L471QGI6TR	STM32L452VEI3TR
STM32L471QEI3TR	STM32F722IEK6	STM32WB55VEQ7
STM32WLE4JCI6	STM32F746IEK6	STM32G081RBI6
STM32L4P5AGI6	STM32F767IGK6	STM32WB55VEQ6
STM32WLE5J8I6	STM32L412R8I6	STM32F777IHK6
STM32L452REI3	STM32F479IGH6	STM32L431RBI3
STM32G4A1REI6	STM32L4S9AII6	STM32L443RCI6
STM32L433VCI3	STM32G0B1VEI6	STM32G483PEI6



Public Products List

STM32L451REI6	STM32L4P5AGI6P	STM32L412RBI6
STM32L4A6QGI6P	STM32L4S5AI3	STM32L496AGI6P
STM32F479I1H7TR	STM32L496QGI6P	STM32L4P5QGI6STR
STM32L562QEI6Q		



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**PRODUCT/PROCESS
CHANGE NOTIFICATION
PCN12916– Additional information**

**ASE Kaohsiung (Taiwan)
xFBGA package
Bonding Wire procurement flexibility
On listed products**

MDG - Microcontrollers Division (MCD)

What are the changes?

Changes described in table below:

	Existing Back-End Line	Added back-end line
Assembly site	ASE Kaohsiung (Taiwan)	
Wire	Gold 0.8mil	Copper Palladium 0.8mil



life.augmented

How to order samples?

For all samples request linked to this PCN, please:

- place a **Non-standard** sample order (choose Sample Non Std Type from pull down menu)
- insert the PCN number "**PCN12916**" into the NPO Electronic Sheet/**Regional Sheet**
- request sample(s) through Notice tool, indicating a single Commercial Product for each request

Partial Ship: 01 Price Pol: 05 Status: 01 Canc:

Sample Type: Sample Non Std Type

Closing Type: Sample Std Type
Sample Non Std Type
Sample Non Std w Spl Tests

Lab Sheet:

SO | NPO Sample

Header

SO Nr: 0018502433 Customer: 99770200 01 ST-TOKYO SO Type: 30 Sample Order Cost Center: JT3129 SAMPLES /SALES J

PD Nr: Carrier Code: 0001 Price Policy: 05 Currency: 02 U.S. DOLLAR Req Name:

Notes: Status: 01 All items pending.ri Issuing Date: 25-JUN-2018 Ord Val: 0.0000 Sample Req Date: 25-Jun-2018

Sch I Nr	PO I. Nr.	Finished Good	Comm Qty	Open Qty	Plant Open Qty	Reqd Qty	Unit Price	RD	CD	EDD	St
1.1.10	000001	STM32F429NIH6	30	30	30	30	0.0000	25-Jun-18	01-Mar-59	01-Mar-59	01

Final Cust: PD Item: 000001 Comm Prod: STM32F429NIH6 Qty: 30 RD: 25-Jun-18 Unit Price: 0.0000 Final Cust: 0800367006 SANSHIN/NPC

Cust Part Nr: Finished Good: Partial Ship: 01 Price Pol: 05 Status: 01 Canc:

Notes: TAM K Pieces: 0 Dur Share%: 0 Sample Type: Sample Non Std Type

Project Name: Closing Date: Closing Type:

Regional Sheet: PCN 10595

Lab Sheet:



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