


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	MDG/23/14039
1.3 Title of PCN	AMKOR ATP (Philippines) LQFP100 14x14 and LQFP144 20x20 Copper wire introduction and standardization to post plated leadframes on listed products
1.4 Product Category	STM32F2x, STM32F4x, STM32F7x, STM32G4x, STM32L4x
1.5 Issue date	2023-06-19

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
Materials	New direct material part number (same supplier, different supplier or new supplier), Bond wire material, diameter	AMKOR ATP (Philippines)

4. Description of change

	Old	New
4.1 Description	gold wire bonding Pre-plated leadframes (PPF)	copper palladium wire bonding post plated leadframe (DR)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	processability	

5. Reason / motivation for change

5.1 Motivation	Due to increase in gold price change to AuPCC wire will result in long term cost stability. Standardization to post plated leadframes in line with corporate strategy and cost targets.
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	2023-09-13
7.2 Intended start of delivery	2023-10-10
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14039 MDG-GPM-RER2312 PCN14039 ATP LQFP100L LQFP144L Copper wires- reliability plan .pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-06-19

9. Attachments (additional documentations)
14039 Public product.pdf 14039 MDG-GPM-RER2312 PCN14039 ATP LQFP100L LQFP144L Copper wires- reliability plan .pdf 14039 PCN14039_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
	STM32F205VBT6	
	STM32F205VCT6	
	STM32F205VCT6TR	
	STM32F205VCT7	
	STM32F205VET6	
	STM32F205VET6TR	
	STM32F205VET7	
	STM32F205VET7TR	
	STM32F205VFT6	
	STM32F205VFT6TR	
	STM32F205VGT6	
	STM32F205VGT6TR	
	STM32F205VGT7	
	STM32F205ZCT6	
	STM32F205ZCT7	
	STM32F205ZCT7TR	
	STM32F205ZET6	
	STM32F205ZET6TR	
	STM32F205ZET7	
	STM32F205ZFT6	
	STM32F205ZGT6	
	STM32F205ZGT6TR	
	STM32F205ZGT7	
	STM32F207VCT6	
	STM32F207VCT6TR	
	STM32F207VET6	
	STM32F207VET6TR	
	STM32F207VFT6	
	STM32F207VFT6TR	
	STM32F207VGT6	
	STM32F207VGT6TR	
	STM32F207VGT7	
	STM32F207ZCT6	
	STM32F207ZET6	
	STM32F207ZET6TR	
	STM32F207ZFT6	
	STM32F207ZGT6	
	STM32F207ZGT6TR	
	STM32F207ZGT7	
	STM32F215VET6	
	STM32F215VGT6	
	STM32F215ZET6	
	STM32F215ZGT6	
	STM32F217VET6	

	STM32F217VET6TR	
	STM32F217VGT6	
	STM32F217VGT6TR	
	STM32F217ZET6	
	STM32F217ZGT6	
	STM32F401VBT6	
	STM32F401VCT6	
	STM32F401VCT7	
	STM32F401VDT6	
	STM32F401VET6	
	STM32F401VET6TR	
	STM32F405VGT6	
	STM32F405VGT6TR	
	STM32F405VGT7	
	STM32F405VGT7TR	
	STM32F405ZGT6	
	STM32F405ZGT7	
	STM32F407VET6	
	STM32F407VET6TR	
	STM32F407VGT6	
	STM32F407VGT6TR	
	STM32F407VGT7	
	STM32F407ZET6	
	STM32F407ZET7	
	STM32F407ZGT6	
	STM32F407ZGT6TR	
	STM32F407ZGT7	
	STM32F411VCT6	
	STM32F411VET6	
	STM32F412VET3	
	STM32F412VET6	
	STM32F412VGT6	
	STM32F412VGT6TR	
	STM32F412ZET6	
	STM32F412ZGT6	
	STM32F413VGT3	
	STM32F413VGT6	
	STM32F413VGT6TR	
	STM32F413VHT6	
	STM32F413ZGT6	
	STM32F413ZHT3	
	STM32F413ZHT6	
	STM32F415VGT6	
	STM32F415VGT6TR	
	STM32F415ZGT6	
	STM32F417VET6	
	STM32F417VGT6	
	STM32F417VGT6TR	
	STM32F417VGT7	
	STM32F417ZET6	
	STM32F417ZGT6	

	STM32F423VHT6	
	STM32F423ZHT6	
	STM32F427VGT6	
	STM32F427VGT6TR	
	STM32F427VGT7	
	STM32F427VIT6	
	STM32F427VIT6TR	
	STM32F427VIT7TR	
	STM32F427ZGT6	
	STM32F427ZIT6	
	STM32F427ZIT6TR	
	STM32F427ZIT7	
	STM32F427ZIT7TR	
	STM32F429VET6	
	STM32F429VET6TR	
	STM32F429VGT6	
	STM32F429VGT6TR	
	STM32F429VIT6	
	STM32F429VIT6TR	
	STM32F429ZET6	
	STM32F429ZET6TR	
	STM32F429ZGT6	
	STM32F429ZGT6TR	
	STM32F429ZIT6	
	STM32F429ZIT6TR	
	STM32F437VGT6	
	STM32F437VGT7TR	
	STM32F437VIT6	
	STM32F437VIT6TR	
	STM32F437VIT7	
	STM32F437VIT7TR	
	STM32F437ZGT6	
	STM32F437ZIT6	
	STM32F437ZIT7	
	STM32F437ZIT7TR	
	STM32F439VGT6	
	STM32F439VIT6	
	STM32F439ZGT6	
	STM32F439ZIT6	
	STM32F446VCT6	
	STM32F446VCT6TR	
	STM32F446VCT7	
	STM32F446VET6	
	STM32F446VET6TR	
	STM32F446ZCT6	
	STM32F446ZET6	
	STM32F446ZET7	
	STM32F469ZGT6	
	STM32F469ZIT6	
	STM32F722VCT6	
	STM32F722VET6	

	STM32F722ZET6	
	STM32F723ZCT6	
	STM32F723ZET6	
	STM32F723ZET7	
	STM32F730V8T6	
	STM32F730Z8T6	
	STM32F732VET6	
	STM32F732ZET6	
	STM32F733ZET6	
	STM32F745ZET6	
	STM32F745ZGT6	
	STM32F746ZET6	
	STM32F746ZGT6	
	STM32F746ZGT7	
	STM32F750Z8T6	
	STM32F756ZGT6	
	STM32G431V6T6	
	STM32G431VBT6	
	STM32G441VBT6	
	STM32G473VBT6	
	STM32G473VCT3	
	STM32G473VCT6	
	STM32G473VET3	
	STM32G473VET6	
	STM32G474VBT6	
	STM32G474VET3	
	STM32G474VET6	
	STM32G483VET6	
	STM32G484VET6	
	STM32L431VCT6	
	STM32L433VCT3	
	STM32L433VCT6	
	STM32L433VCT6TR	
	STM32L443VCT6	
	STM32L451VCT6	
	STM32L451VET6	
	STM32L452VCT6	
	STM32L452VET6	
	STM32L462VET6	
	STM32L462VET6TR	
	STM32L471VET6	
	STM32L471VET6TR	
	STM32L471VGT3	
	STM32L471VGT6	
	STM32L471ZET6	
	STM32L471ZGT6	
	STM32L475VCT6	
	STM32L475VET6	
	STM32L475VGT6	
	STM32L476VCT6	
	STM32L476VET6	

	STM32L476VGT3	
	STM32L476VGT6	
	STM32L476VGT6TR	
	STM32L476VGT7	
	STM32L476ZET6	
	STM32L476ZET6TR	
	STM32L476ZGT3	
	STM32L476ZGT6	
	STM32L476ZGT6TR	
	STM32L486VGT6	
	STM32L486VGT6TR	
	STM32L486ZGT3	
	STM32L486ZGT6	
	STM32L496VET6	
	STM32L496VGT3	
	STM32L496VGT6	
	STM32L496VGT6P	
	STM32L496ZET6	
	STM32L496ZGT3	
	STM32L496ZGT6	
	STM32L496ZGT6P	
	STM32L496ZGT6TR	
	STM32L4A6VGT6	
	STM32L4A6VGT6P	
	STM32L4A6ZGT6	
	STM32L4A6ZGT6P	
	STM32L4R5VGT6	
	STM32L4R5VIT6	
	STM32L4R5ZGT6	
	STM32L4R5ZIT6	
	STM32L4R5ZIT6P	
	STM32L4R7VIT6	
	STM32L4R7ZIT6	
	STM32L4R9VGT6	
	STM32L4R9VIT6	
	STM32L4R9ZGT6	
	STM32L4R9ZIT6	
	STM32L4S5VIT6	
	STM32L4S5ZIT6	
	STM32L4S7VIT6	
	STM32L4S7ZIT6	
	STM32L4S9VIT6	
	STM32L4S9ZIT6	



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 : AMKOR ATP (Philippines) LQFP100 14x14 and LQFP144 20x20 Copper wire introduction and standardization to post plated leadframes on listed products

PCN Reference : MDG/23/14039

Subject : Public Products List

Dear Customer,

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

STM32F446VCT6	STM32F427VGT6	STM32F205VCT6TR
STM32L486VGT3TR	STM32F417VET6TR	STM32F423VHT6TR
STM32F217ZET6	STM32F437ZGT6	STM32F745ZGT7
STM32L4R5VGT6	STM32F205ZGT7	STM32F205VGT7TR
STM32F405VGT7	STM32F415VGT6	STM32F205ZGT6TR
STM32F412ZGT6	STM32F407VGT7	STM32F722ZCT6
STM32F429ZIT6TR	STM32F446ZET7	STM32L462VET6
STM32F412ZGT6TR	STM32F205ZET6	STM32L486VGT6TR
STM32F205VGT6TR	STM32F205ZCT7TR	STM32F446VET6
STM32G474VBT3	STM32F437ZIT7TR	STM32F407VET6
STM32F405VGT6	STM32F407VGT7TR	STM32F205VCT7TR
STM32F407VGT6TR	STM32F437VIT7TR	STM32F429ZGT6TR
STM32F417ZET6	STM32F446ZCT6	STM32F427ZGT6
STM32L4R9VIT6	STM32F207VGT6	STM32F205ZGT7TR
STM32F407VGT6	STM32F417VGT6TR	STM32F407ZGT6TR
STM32F750Z8T6	STM32L4S9ZIT6	STM32F207VCT7
STM32L471VGT3	STM32F413VGT6	STM32L4R5ZIT6P
STM32L471VGT6TR	STM32F205VBT6	STM32F417ZGT6
STM32F730V8T6TR	STM32F411VET6	STM32G473VET6
STM32F207VGT7	STM32L475VGT6	STM32F207VFT6TR
STM32F215VET6	STM32F446ZET6	STM32L476ZGT6
STM32F429VET6	STM32F217ZET7	STM32F207ZFT6
STM32F207VCT6	STM32F405ZGT7TR	STM32F439VGT6
STM32F405VGT7TR	STM32F207VET6	STM32F215ZGT7
STM32G441VBT6	STM32F205ZFT6	STM32L475VET6
STM32F215ZET6TR	STM32F205ZCT6	STM32F401VDT6
STM32F217VET6	STM32F207ZGT6TR	STM32F429VIT6
STM32F439VIT6	STM32F415VGT6TR	STM32F205VFT6
STM32F427VIT7TR	STM32L4R5ZIT6	STM32F217VET6TR
STM32L496VGT6	STM32F415ZGT6	STM32F205ZET7
STM32F412ZET7TR	STM32F207ZCT7TR	STM32G474VBT6
STM32F205ZET7TR	STM32F205VCT6	STM32F437VGT6
STM32F215VGT7	STM32F423ZHT3	STM32F723VET6
STM32F429ZIT6	STM32F427VIT6TR	STM32F407ZGT7
STM32F427VIT6	STM32F205ZGT6	STM32F412ZET7



Public Products List

STM32F446VET7	STM32L476ZGT3	STM32F469ZGT6
STM32F407ZET7	STM32F423VHT6	STM32F205VET6TR
STM32F732VET6	STM32L476VGT3	STM32F417VGT6
STM32F429ZET6	STM32F217VGT6TR	STM32F215ZGT7TR
STM32L471VGT6	STM32F723ZET6	STM32F205VCT7
STM32F411VCT6	STM32F439ZIT6	STM32F207VET6TR
STM32F429VGT6	STM32F417VGT7	STM32F413ZGT6
STM32F429ZIT7	STM32F429ZET6TR	STM32L4R9ZGT6
STM32L451VET6TR	STM32F413ZHT6	STM32F437VGT7TR
STM32F405ZGT7	STM32F423ZHT6	STM32F405VGT6TR
STM32F205VET7	STM32F429VIT6TR	STM32L496VGT3
STM32L476VCT6	STM32G431V8T6	STM32L486VGT6
STM32L471ZET6TR	STM32F405ZGT6	STM32L4R5VIT6
STM32F437VGT6TR	STM32F412VGT6TR	STM32F217VGT6
STM32F479ZIT6	STM32F469ZET6	STM32F412VET6TR
STM32F439ZGT7TR	STM32F437VGT7	STM32L4R9ZIT6
STM32F427ZGT6TR	STM32F427VGT6TR	STM32F446VCT7
STM32F446VET6TR	STM32F205VGT7	STM32F401VBT6
STM32L476VGT7TR	STM32F205VET7TR	STM32F205VFT6TR
STM32L443VCT6	STM32F412VGT6	STM32F407ZGT6
STM32F439ZGT7	STM32F215VGT6	STM32F205VET6
STM32F207VGT6TR	STM32F437VIT6TR	STM32F207ZET6
STM32F413ZHT3	STM32F412ZET6	STM32F417VET6
STM32F407ZET6	STM32L4S5VIT6TR	STM32L476VGT7
STM32L475VCT6	STM32F427ZIT7TR	STM32F722ZET6
STM32F207ZCT7	STM32L476VET6	STM32F429VET6TR
STM32F745ZGT6	STM32F413VGT3	STM32F746ZET6
STM32F401VDT6TR	STM32F407VET6TR	STM32F437VIT6
STM32L4S7ZIT6	STM32L431VCT6TR	STM32F412VGT7
STM32L431VCT6	STM32F723VCT6	STM32F215ZGT6
STM32F732VET6TR	STM32F207VCT6TR	STM32L476VGT6TR
STM32L4S9VIT6	STM32L476VCT6TR	STM32L486VGT3
STM32G473VET3	STM32L475VET6TR	STM32L4R7VIT6
STM32F411VCT6TR	STM32F746ZGT6	STM32L4S5VIT3
STM32F412VET3	STM32F412VET3TR	STM32F207ZGT7
STM32F401VET6	STM32F730V8T6	STM32F401VET6TR
STM32F413VGT3TR	STM32L471ZET6	STM32L496ZET6TR
STM32L452VET3	STM32F215ZET6	STM32F437VIT6WTR
STM32F427ZIT6TR	STM32F205VGT6	STM32F446VCT6TR
STM32L486ZGT6	STM32F437VIT7	STM32F413VGT6TR
STM32F427ZIT6	STM32F722VET7	STM32L4A6VGT6
STM32L4A6VGT6TR	STM32G473VCT3TR	STM32F205ZET6TR
STM32F429VGT6TR	STM32F207VFT6	STM32F207ZGT6
STM32F205ZCT6TR	STM32F207ZET6TR	STM32L443VCT6TR
STM32L452VCT6	STM32L476VET6TR	STM32F730Z8T6TR
STM32G473VCT6TR	STM32F439ZGT6	STM32L476ZET6TR
STM32F722VCT6	STM32F401VCT6	STM32L433VCT6TR
STM32L471VET6	STM32L496VGT6TR	STM32F413VHT6
STM32L496VET6TR	STM32F412VET6	STM32F427ZIT7
STM32F437ZIT7	STM32F207ZCT6	STM32L476VGT6



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STM32F722ZET7	STM32L4S5ZIT6	STM32F437ZIT6
STM32F756ZGT6	STM32L433VCT3	STM32F722VET6
STM32F217ZGT6	STM32L496VET6	STM32F722ZET6TR
STM32L496VET3	STM32L4R9VGT6	STM32F733ZET6
STM32F469ZGT6TR	STM32L452VET6	STM32G473VET6TR
STM32F429ZGT6	STM32F205ZCT7	STM32L486ZGT3
STM32L433VCT6	STM32L471VET6TR	STM32F415VGT7TR
STM32L476ZET6	STM32G473VCT6	STM32L4A6VGT6P
STM32L462VET6TR	STM32G474VET3TR	STM32L451VET6
STM32L4A6ZGT6P	STM32L4S7VIT6	STM32F745ZET6
STM32F411VET6TR	STM32G473VCT3	STM32F723ZCT6
STM32G474VET6TR	STM32G484VET6	STM32L496ZGT3
STM32F730Z8T6	STM32L4S5VIT6	STM32G431V6T6
STM32F723ZET7	STM32F401VBT6TR	STM32L4A6ZGT6
STM32G474VBT3TR	STM32F722VET6TR	STM32L4A6VGT6PTR
STM32L4R5ZGT6	STM32L496ZGT6	STM32F746ZGT7
STM32L476ZGT6TR	STM32F733VET6	STM32L496ZGT6TR
STM32L471ZGT6	STM32G431VBT6	STM32L4R5ZGT6TR
STM32G483VET6	STM32F401VCT7	STM32L496VGT6P
STM32L4R7ZIT6	STM32F722VET7TR	STM32L496ZET6
STM32F746ZET6TR	STM32G483VET3	STM32F722VCT6TR
STM32G474VET3	STM32F732ZET6	STM32L496ZGT6P
STM32F479ZGT6	STM32G474VET6	STM32G474VCT6
STM32F439ZGT6TR	STM32L4R5VIT6TR	STM32F469ZIT6
STM32L451VCT6	STM32G473VBT6	

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