


**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**

<b>2.1 Contact supplier</b>	
2.1.1 Name	NEMETH KRISZTINA
2.1.2 Phone	+49 89460062210
2.1.3 Email	krisztina.nemeth@st.com
<b>2.2 Change responsibility</b>	
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**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
Materials	New direct material part number (same supplier, different supplier or new supplier), Bond wire material, diameter	AMKOR ATP ( Philippines)

**4. Description of change**

	<b>Old</b>	<b>New</b>
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)	<b>Issue Date</b>	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	
	STM32F205VCT6		
	STM32F205VET6		
	STM32F205VGT6		
	STM32F205VGT6TR		
	STM32F205ZET6		
	STM32F205ZGT6		
	STM32F207VET6		
	STM32F207VGT6		
	STM32F207ZGT6		
	STM32F215ZGT6		
	STM32F217VGT6		
	STM32F401VBT6		
	STM32F401VCT6		
	STM32F401VET6		
	STM32F405VGT6		
	STM32F405VGT6TR		
	STM32F405ZGT7		
	STM32F407VET6		
	STM32F407VGT6		
	STM32F407VGT7		
	STM32F407ZET6		
	STM32F407ZGT6		
	STM32F412VET3		
	STM32F413VGT3		
	STM32F413ZHT6		
	STM32F417VGT6		
	STM32F417ZGT6		
	STM32F427VIT6		
	STM32F427VIT6TR		
	STM32F427VIT7TR		
	STM32F427ZGT6		
	STM32F427ZIT6		
	STM32F429VIT6		
	STM32F429VIT6TR		
	STM32F429ZET6		
	STM32F429ZGT6		
	STM32F429ZIT6		
	STM32F429ZIT7		
	STM32F437VGT6		
	STM32F437VIT7		
	STM32F439VGT6		
	STM32F439VIT6		
	STM32F446VCT6		
	STM32F469ZGT6		

	STM32F469ZIT6	
	STM32F722VCT6	
	STM32F722VET6	
	STM32F723ZET7	
	STM32F745ZGT6	
	STM32F746ZGT7	
	STM32G473VCT6	
	STM32G473VET6	
	STM32G474VBT6	
	STM32G474VCT6	
	STM32G484VET6	
	STM32L433VCT6	
	STM32L451VET6TR	
	STM32L452VET3	
	STM32L471VET6	
	STM32L475VET6	
	STM32L475VGT6	
	STM32L476VGT3	
	STM32L476VGT6	
	STM32L476VGT7	
	STM32L476ZET6	
	STM32L476ZGT6	
	STM32L486ZGT3	
	STM32L496VET6	
	STM32L496VGT6	
	STM32L496ZGT6	
	STM32L496ZGT6P	
	STM32L4A6VGT6	
	STM32L4A6ZGT6	
	STM32L4R5VGT6	
	STM32L4R5VIT6	
	STM32L4R5ZIT6	
	STM32L4R7VIT6	
	STM32F427VGT6	
	STM32F723ZET6	
	STM32L486VGT6	
	STM32F746ZGT6	

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