


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/23/13841	
1.3 Title of PCN	ASE KaoHsiung (Taiwan) LQFP7x7, LQFP10x10, LQFP14x14 and LQFP20x20 package copper palladium bonding wire introduction on STM32F2/F4/F7x, STM32G0/G4x, STM32L4/L5x and STM32H5/H7x listed products	
1.4 Product Category	STM32F2x, STM32F4x, STM32F7x, STM32G0x, STM32G4x STM32L4x, STM32L5x STM32H5x, STM32H7x	
1.5 Issue date	2023-02-28	

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	ASE Kaohsiung (TAIWAN)

4. Description of change

	Old	New
4.1 Description	Current Wire bonding material: - ASE KaoHsiung (Taiwan) gold wire	New Wire bonding material : - ASE KaoHsiung (Taiwan) copper palladium wire
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impact on form, Fit, Function	

5. Reason / motivation for change

5.1 Motivation	To improve service
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	2023-03-15
7.2 Intended start of delivery	2023-05-15
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	13841 MDG-GPM-RER2304 ASE LQFP7x7 to LQ20x20 CuPd wire- reliability plan .pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-02-28

9. Attachments (additional documentations)

13841 Public product.pdf
 13841 MDG-GPM-RER2304 ASE LQFP7x7 to LQ20x20 CuPd wire- reliability plan .pdf
 13841 PCN13841_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
	STM32C031C4T6	
	STM32C031C6T6	
	STM32F205RBT6	
	STM32F205RBT6TR	
	STM32F205RBT7	
	STM32F205RCT6	
	STM32F205RCT6TR	
	STM32F205RCT7	
	STM32F205RET6	
	STM32F205RET6TR	
	STM32F205RET7	
	STM32F205RFT6	
	STM32F205RGT6	
	STM32F205RGT6TR	
	STM32F205RGT7	
	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	
	STM32F215RET6	
	STM32F215RGT6	
	STM32F215VET6	
	STM32F215VGT6	
	STM32F215ZET6	
	STM32F215ZGT6	
	STM32F217VET6	
	STM32F217VET6TR	
	STM32F217VGT6	
	STM32F217VGT6TR	
	STM32F217ZET6	
	STM32F217ZGT6	
	STM32F405RGT6	
	STM32F405RGT6TR	
	STM32F405RGT7	
	STM32F405RGT7TR	
	STM32F405VGT6	
	STM32F405VGT6TR	
	STM32F405VGT7	
	STM32F405VGT7TR	
	STM32F405ZGT6	
	STM32F405ZGT7	
	STM32F407VET6	
	STM32F407VET6TR	
	STM32F407VGT6	
	STM32F407VGT6TR	
	STM32F407VGT7	
	STM32F407ZET6	
	STM32F407ZET7	
	STM32F407ZGT6	
	STM32F407ZGT6TR	
	STM32F407ZGT7	
	STM32F412VET3	
	STM32F412VET6	
	STM32F412VGT6	
	STM32F412VGT6TR	
	STM32F412ZET6	
	STM32F412ZGT6	
	STM32F413VGT3	
	STM32F413VGT6	
	STM32F413VGT6TR	

	STM32F413VHT6	
	STM32F415RGT6	
	STM32F415RGT6TR	
	STM32F415VGT6	
	STM32F415VGT6TR	
	STM32F415ZGT6	
	STM32F417VET6	
	STM32F417VGT6	
	STM32F417VGT6TR	
	STM32F417VGT7	
	STM32F417ZET6	
	STM32F417ZGT6	
	STM32F423VHT6	
	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	
	STM32F765ZGT6	
	STM32F765ZGT7	
	STM32F765ZIT6	
	STM32F765ZIT7	
	STM32F765ZIT7TR	
	STM32F767ZGT6	
	STM32F767ZIT6	
	STM32F777ZIT6	
	STM32G030C6T6	
	STM32G030C6T6TR	
	STM32G030C8T6	
	STM32G030K6T6	
	STM32G030K6T6TR	
	STM32G030K8T6	
	STM32G031C6T6	
	STM32G031C8T6	
	STM32G031K6T6	
	STM32G031K8T6	
	STM32G041C8T6	
	STM32G070CBT6	
	STM32G070KBT6	
	STM32G070RBT6	
	STM32G071C8T6	
	STM32G071CBT6	
	STM32G071CBT6TR	
	STM32G071KBT6	
	STM32G071KBT6N	
	STM32G071R8T6	
	STM32G071RBT6	
	STM32G081KBT6	
	STM32G081RBT6	
	STM32G0B1VET6	
	STM32G431RBT6	
	STM32G441RBT6	
	STM32G491VET6	
	STM32H723VET6	
	STM32H723VGT6	
	STM32H723ZGT6	
	STM32H725VGT6	
	STM32H725ZGT6	
	STM32H730VBT6	
	STM32H730ZBT6	
	STM32H733VGT6	
	STM32H733ZGT6	

	STM32H735VGT6	
	STM32H735ZGT6	
	STM32H743ZGT6	
	STM32H743ZIT6	
	STM32H750ZBT6	
	STM32H753ZIT6	
	STM32H7A3VIT6	
	STM32H7B0VBT6	
	STM32L431RBT6	
	STM32L431RBT6TR	
	STM32L431RCT6	
	STM32L431RCT6TR	
	STM32L431VCT6	
	STM32L433RBT6	
	STM32L433RCT3	
	STM32L433RCT6	
	STM32L433RCT6P	
	STM32L433RCT6TR	
	STM32L433VCT3	
	STM32L433VCT6	
	STM32L433VCT6TR	
	STM32L443RCT6	
	STM32L443RCT6TR	
	STM32L443VCT6	
	STM32L471RET6	
	STM32L471RGT6	
	STM32L471RGT6TR	
	STM32L471VET6	
	STM32L471VET6TR	
	STM32L471VGT3	
	STM32L471VGT6	
	STM32L475RCT3	
	STM32L475RCT6	
	STM32L475RET6	
	STM32L475RET6TR	
	STM32L475RGT6	
	STM32L475VCT6	
	STM32L475VET6	
	STM32L475VGT6	
	STM32L476RCT6	
	STM32L476RET6	
	STM32L476RET6TR	
	STM32L476RGT3	
	STM32L476RGT6	
	STM32L476RGT6TR	
	STM32L476VCT6	
	STM32L476VET6	
	STM32L476VGT3	
	STM32L476VGT6	
	STM32L476VGT6TR	
	STM32L476VGT7	

	STM32L486RGT6	
	STM32L486RGT7	
	STM32L486RGT7TR	
	STM32L486VGT6	
	STM32L486VGT6TR	
	STM32L496RET6	
	STM32L496RGT3	
	STM32L496RGT6	
	STM32L496RGT6TR	
	STM32L496VET6	
	STM32L496VGT3	
	STM32L496VGT6	
	STM32L496VGT6P	
	STM32L4A6RGT6	
	STM32L4A6RGT7	
	STM32L4A6RGT7TR	
	STM32L4A6VGT6	
	STM32L4A6VGT6P	
	STM32L4P5VET6	
	STM32L4P5VGT6	
	STM32L4P5VGT6P	
	STM32L4P5ZGT6	
	STM32L4P5ZGT6P	
	STM32L4Q5VGT6	
	STM32L4Q5VGT6P	
	STM32L552VET6	
	STM32L552ZET6	
	STM32L552ZET6Q	
	STM32L562VET6	
	STM32L562VET6Q	
	STM32L562ZET6	
	STM32L562ZET6Q	

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Public Products List

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PCN Title : ASE KaoHsiung (Taiwan) LQFP7x7, LQFP10x10, LQFP14x14 and LQFP20x20 package copper palladium bonding wire introduction on STM32F2/F4/F7x, STM32G0/G4x, STM32L4/L5x and STM32H5/H7x listed products

PCN Reference : MDG/23/13841

Subject : Public Products List

Dear Customer,

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

STM32F205VCT6	STM32G071KBT6N	STM32F205VCT6TR
STM32G031C8T6	STM32F217ZET6	STM32F423VHT6TR
STM32F437ZGT6	STM32G031C8T7	STM32H735ZGT6
STM32F205VGT7TR	STM32F405VGT7	STM32F215RET6
STM32G031K8T3	STM32C031C4T6TR	STM32F446ZET7
STM32F417VGT7	STM32F412ZGT6TR	STM32F205RCT6
STM32G071KBT3	STM32L4P5VGT6P	STM32F429ZGT6
STM32F205ZCT7TR	STM32F215RET6TR	STM32G431RBT6TR
STM32F446VET6	STM32L476RET6TR	STM32F437ZIT7TR
STM32F405VGT6	STM32F407VET6	STM32F205VCT7TR
STM32F407VGT6TR	STM32F405RGT6	STM32F437VIT7TR
STM32F417ZET6	STM32F205RET6TR	STM32F407VGT7TR
STM32F207VCT6TR	STM32G031C6T6	STM32F207VGT6
STM32F417VGT6TR	STM32F407ZGT6TR	STM32F415VGT6
STM32F205RCT7	STM32L552ZET6Q	STM32F417VGT6
STM32L471VGT3	STM32F205ZCT6	STM32F205ZGT6TR
STM32L471VGT6TR	STM32F205RET7TR	STM32F207VGT7
STM32L475RGT6	STM32L475VGT6	STM32F205ZCT7
STM32F205RBT6TR	STM32F429VET6TR	STM32F215VET6
STM32G4A1VET6	STM32F446ZET6	STM32F417VET6TR
STM32F217ZET7	STM32F217ZGT6	STM32F205RGT6TR
STM32F205VBT6	STM32F205RET7	STM32F405ZGT7TR
STM32F207VFT6TR	STM32F439VGT6	STM32H725VGT6
STM32G070CBT6TR	STM32F207VET6	STM32F215RGT6TR
STM32F767ZIT6	STM32G071CBT6TR	STM32F205ZFT6
STM32L475VET6	STM32G431RBT6	STM32G031K8T6TR
STM32F215ZET6TR	STM32F765ZGT6	STM32F207VCT7
STM32F405VGT7TR	STM32F217VET6	STM32F427ZIT7TR
STM32F207ZGT6TR	STM32F429VIT6	STM32G031K8T7
STM32F415VGT6TR	STM32F205VFT6	STM32G071C8T6
STM32H743ZIT6	STM32F415ZGT6	STM32L552ZET3
STM32G071KBT6	STM32G030C6T6TR	STM32F427VIT7TR
STM32G431RBT3	STM32F217VGT6	STM32G071RBT7TR
STM32G031K8T6	STM32F205VCT7	STM32F205ZET7TR
STM32F407VGT6	STM32F437VGT6	STM32F429ZIT6

STM32F427VIT6TR	STM32G041C8T6	STM32F446VET7
STM32L486VGT6TR	STM32F405RGT6TR	STM32F423VHT6
STM32L433RCT6P	STM32F205VET6TR	STM32F205ZGT7TR
STM32F415RGT6TR	STM32F217VGT6TR	STM32L471VGT6
STM32F407VGT7	STM32L552VET6TR	STM32F439ZIT6
STM32F405RGT7TR	STM32F207VET6TR	STM32F205RFT6
STM32L433RBT6	STM32F405RGT7	STM32F429VGT6
STM32G071C8T3	STM32F439VIT6	STM32F429ZET6TR
STM32L431RCT6TR	STM32F405ZGT7	STM32F205RCT6TR
STM32F405VGT6TR	STM32F765ZIT6	STM32H753ZIT6
STM32L476VCT6	STM32F205RET6	STM32F207VCT6
STM32F405ZGT6	STM32G031K4T6	STM32F207ZET6
STM32L475RGT7	STM32G441RBT6	STM32F412VGT6TR
STM32L475RGT6TR	STM32F407ZET7	STM32F439ZGT7TR
STM32F407ZET6	STM32G041K8T6	STM32F207ZCT7TR
STM32F446VET6TR	STM32F205VET7TR	STM32F205ZET6TR
STM32L443VCT6	STM32H7B3VIT6	STM32F439ZGT7
STM32F429ZIT7	STM32F417VET6	STM32F429ZET6
STM32F207VGT6TR	STM32L475RET6TR	STM32L562ZET6TR
STM32L4Q5ZGT6P	STM32F765ZGT6TR	STM32G030K8T6
STM32G031K8T7TR	STM32F439ZGT6	STM32G431RBT3TR
STM32L476VET6	STM32G071CBT7TR	STM32F429VIT6TR
STM32C031C6T6	STM32L431VCT6	STM32F407VET6TR
STM32F437VGT7	STM32F427VGT6TR	STM32L475VET6TR
STM32F205VGT7	STM32L486RGT6TR	STM32F765ZGT7
STM32L562ZET6Q	STM32G071KBT6TR	STM32F207ZGT7
STM32F415RGT6	STM32F215ZGT7TR	STM32H725ZGT3
STM32H7A3VIT6Q	STM32F437VIT6WTR	STM32G0B1VBT6
STM32F207ZCT7	STM32F217VET6TR	STM32F427ZIT6TR
STM32F215ZET6	STM32L433RCT3TR	STM32L486RGT7TR
STM32F205VET6	STM32G070CBT6	STM32G041C6T6
STM32F437VIT6	STM32G031C4T6	STM32L4A6VGT6TR
STM32F429VGT6TR	STM32G030K6T6TR	STM32F437VIT6TR
STM32F429ZIT6TR	STM32F207ZGT6	STM32G491VET6
STM32F205RBT7	STM32F205ZCT6TR	STM32F207ZET6TR
STM32L443VCT6TR	STM32H725ZET6	STM32G081RBT6TR
STM32H725ZGT6	STM32G030C6T6	STM32F205VGT6TR
STM32F205VET7	STM32F407ZGT6	STM32F413VGT3TR
STM32L476VET6TR	STM32L433VCT6TR	STM32G070RBT6TR
STM32F407ZGT7	STM32G071RBT6	STM32F765ZIT7
STM32L496VGT6TR	STM32G071CBT6	STM32G071RBT7
STM32F446VCT6TR	STM32G070RBT6	STM32L4P5ZGT6TR
STM32G030K8T6TR	STM32H7A3VIT6	STM32G031K6T6
STM32L552ZET6	STM32F427VIT6	STM32F412ZET6
STM32F427ZIT7	STM32H7A3VGT6	STM32H725VGT3
STM32F205ZET6	STM32F429VET6	STM32F413VGT6TR
STM32G041K6T6	STM32L476RET6	STM32F207ZCT6
STM32F446ZCT6	STM32G071CBT3	STM32F437VIT7
STM32F427VGT6	STM32F427ZGT6TR	STM32H723VET6
STM32L486RGT7	STM32L476VCT6TR	STM32L431RCT6

STM32G0B0VET6	STM32G071CBT7	STM32L433VCT3
STM32F413VHT6	STM32L476RCT6TR	STM32H735VGT6
STM32L562VET6TR	STM32C031C6T6TR	STM32G071RBT3
STM32H743ZGT6	STM32L562VET3	STM32F417ZGT6
STM32F437VGT6TR	STM32H750ZBT6	STM32L476VGT6TR
STM32F205RBT6	STM32F205ZGT6	STM32L4A6RGT7TR
STM32L433VCT6	STM32H7B3VIT6Q	STM32F205ZET7
STM32H7B0VBT6	STM32F205RGT6	STM32G081RBT3
STM32F205VFT6TR	STM32F205RFT6TR	STM32L496RET6
STM32F446VCT6	STM32F215VGT7	STM32F412ZET7TR
STM32L471VET6TR	STM32L552ZCT6Q	STM32F415VGT7TR
STM32F215VGT6	STM32F437ZIT6	STM32F215ZGT6
STM32L4P5ZGT6	STM32G071K8T3	STM32L476RGT6
STM32L475VCT6	STM32F439ZGT6TR	STM32H7B0VBT6TR
STM32L4A6VGT6P	STM32G030K6T6	STM32F412VET3
STM32L471VET6	STM32F437ZIT7	STM32G030C8T6
STM32L4P5VGT6	STM32L431RBT6TR	STM32F413VGT6
STM32L476RGT3	STM32L562ZET6	STM32H742ZGT6
STM32G070KBT6TR	STM32F412VET6	STM32L476RCT6
STM32G081CBT6	STM32L562VET6Q	STM32L475RET6
STM32L475RCT7TR	STM32G0B1VCT6	STM32L552VET6
STM32F207VFT6	STM32L433RCT3	STM32F437VGT7TR
STM32L431VCT6TR	STM32F777ZIT6	STM32F205VGT6
STM32L471RGT6	STM32L433RCT6	STM32L433RCT6TR
STM32G0C1VET6	STM32L476VGT3	STM32L496VGT3
STM32F427ZGT6	STM32G081CBT6TR	STM32F413VGT3
STM32F412ZGT6	STM32L476VGT6	STM32F215ZGT7
STM32G031K8T3TR	STM32G431R8T6	STM32L4A6RGT7
STM32L475RGT7TR	STM32G071K8T3TR	STM32H742ZIT6
STM32L496VGT6	STM32L4A6RGT6P	STM32G081RBT6
STM32L552VCT6Q	STM32L4Q5VGT6P	STM32L496RGT6P
STM32L496RET6TR	STM32L476VGT7	STM32F767ZGT6
STM32L471RGT6TR	STM32L496RGT3	STM32L486VGT3TR
STM32F205ZGT7	STM32L475RCT3	STM32H730VBT6
STM32L471RET3	STM32F429ZGT6TR	STM32F765ZIT7TR
STM32L475RCT6	STM32F205RGT7	STM32L4P5ZET6
STM32L475RCT7	STM32F207ZFT6	STM32H725VET6
STM32L4A6RGT6TR	STM32L496RGT6	STM32H723ZGT6
STM32G071C8T6TR	STM32L471RET6	STM32G081KBT6
STM32F427ZIT6	STM32F412ZET7	STM32L443RCT6TR
STM32L431RBT6	STM32L471RET3TR	STM32L486VGT6
STM32L4Q5VGT6	STM32F412VET6TR	STM32F446VCT7
STM32G0B1VET6	STM32L476VGT7TR	STM32F412VGT6
STM32G071R8T6	STM32L443RCT6	STM32L476RGT6TR
STM32F412VGT7	STM32L4A6RGT6	STM32L486VGT3
STM32F412VET3TR	STM32G070KBT6	STM32L4A6VGT6
STM32L4Q5ZGT6	STM32H723VGT6	STM32L471RET6TR
STM32L496RGT6TR	STM32F205RCT7TR	STM32L496RGT3TR
STM32L496VET6TR	STM32H725ZGT6TR	STM32G491VCT6
STM32F215RGT6	STM32L496VET6	STM32L496VET3

STM32L562VET6	STM32C031C6T7TR	STM32H730ZBT6
STM32L486RGT6	STM32C031C4T6	STM32G0C1VCT6
STM32H723VET6TR	STM32C031C6T7	STM32L4A6VGT6PTR
STM32H733VGT6	STM32H723ZET6	STM32L4P5VET6TR
STM32L496VGT6P	STM32L552VET6Q	STM32G431R6T6
STM32L4P5ZGT6P	STM32L4P5VET6	STM32H733ZGT6

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