


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/23/14224	
1.3 Title of PCN	ASE KaoHsiung (Taiwan) LQFP 100 14x14 package copper palladium bonding wire introduction on STM32H74x, STM32H75x, STM32G47x and STM32G48x listed products	
1.4 Product Category	STM32G47x, STM32G48x, STM32H74x, STM32H75x	
1.5 Issue date	2023-09-07	

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 source: - AMKOR ATP (Philippines) gold wire	Back-end source: - AMKOR ATP (Philippines) gold wire - ASE KaoHsiung (Taiwan) copper palladium wire - additional source
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	no impact on product Form, Fit, Function. Package darkness might change depending on molding compound. Ball1 identifier remain in the same corner but might slightly 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	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	Change is visible through assembly traceability plant, in the marking: - "7B" for AMKOR ATP Philippines - "AA" for ASE Kaohsiung Taiwan Please refer to PCN 14224 – Additional information attached document.
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7. Timing / schedule

7.1 Date of qualification results	2023-09-25
7.2 Intended start of delivery	2023-10-05
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
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8.1 Description	14224 MDG-GPM-RER2304-PCN13841 PCN14224 V2-ASE LQFP7x7 to 20x20 Copper Palladium wire-Reliability evaluation report.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-09-07

9. Attachments (additional documentations)			
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14224 Public product.pdf
 14224 MDG-GPM-RER2304-PCN13841 PCN14224 V2-ASE LQFP7x7 to 20x20 Copper Palladium wire-Reliability evaluation report.pdf
 14224 PCN14224_Additional information.pdf

10. Affected parts		
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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
	STM32G473VBT6	
	STM32G473VCT3	
	STM32G473VCT6	
	STM32G473VET3	
	STM32G473VET6	
	STM32G474VBT6	
	STM32G474VET3	
	STM32G474VET6	
	STM32G483VET6	
	STM32G484VET6	
	STM32H742VGT6	
	STM32H742VIT6	
	STM32H743VGT6	
	STM32H743VIT6	
	STM32H750VBT6	
	STM32H750VBT6TR	
	STM32H753VIT6	
	STM32H753VIT6E	



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 : ASE KaoHsiung (Taiwan) LQFP 100 14x14 package copper palladium bonding wire introduction on STM32H74x, STM32H75x, STM32G47x and STM32G48x listed products

PCN Reference : MDG/23/14224

Subject : Public Products List

Dear Customer,

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

STM32H742VGT6	STM32H743VIT6	STM32H742VIT6TR
STM32H753VIT6	STM32G474VET6	STM32H750VBT6
STM32G474VBT3TR	STM32G473VCT3TR	STM32G474VCT6
STM32G474VET3TR	STM32H743VGT6	STM32G474VBT3
STM32H750VBT6TR	STM32G474VET6TR	STM32G484VET6
STM32G483VET3	STM32G473VCT6TR	STM32G474VBT6
STM32H743VIT6TR	STM32G474VET3	STM32G473VET6TR
STM32H742VGT6TR	STM32H742VIT6	STM32G483VET6
STM32G473VCT3	STM32G473VET6	STM32G473VBT6
STM32G473VET3	STM32G473VCT6	

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