

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	MDG/23/14068
1.3 Title of PCN	JSCC (China) additional source in UFQFPN 5X5 32L, UFQFPN 7X7 48L and VFQFPN 8X8 68L package for listed products
1.4 Product Category	STM8xx Listed Products STM32xx Listed Products
1.5 Issue date	2023-10-25

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	KRAUSE INA
2.1.2 Phone	+49 89460062370
2.1.3 Email	ina.krause@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	StatsChipPAC JSCC Jiangyin China

4. Description of change

	Old	New
4.1 Description	Assembly lines / wire bonding: - JSCC (China) / Gold wire - ASE Kaohsiung (Taiwan) / Gold wire Packages: - UFQFPN 5X5 32L - UFQFPN 7X7 48L - and VFQFPN 8X8 68L	Assembly lines / wire bonding: - JSCC (China) / Copper Palladium wire additional source - JSCC (China) / Gold wire - ASE Kaohsiung (Taiwan) / Gold wire Packages: - UFQFPN 5X5 32L - UFQFPN 7X7 48L - and VFQFPN 8X8 68L
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No change in Form, no change in Fit, no change in Function. Package darkness might change depending on molding compound. Pin1 identifier remain in the same corner but might slightly change in terms of form and positioning.	

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 assembly 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 ensure by ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2023-12-27
7.2 Intended start of delivery	2024-01-08
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	14068 MDG-GPM-RER2220 JSCC UQFN 32L_48L VQFN 68L CuPdAu wires STM32- reliability plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-10-25

9. Attachments (additional documentations)			
14068 Public product.pdf 14068 MDG-GPM-RER2220 JSCC UQFN 32L_48L VQFN 68L CuPdAu wires STM32- reliability plan.pdf 14068 PCN14068_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
	STM32G071KBU6N	
	STM32L431CBU6	
	STM32L443CCU6	
	STM32L451CEU6	
	STM32C031C4U6	
	STM32C031C6U6	
	STM32C031K4U6	
	STM32C031K6U6	
	STM32G031C6U6	
3246915	STM32G031C8U6	
	STM32G031K6U6	
	STM32G051C6U6	
	STM32G051C8U6	
	STM32G051K8U6	
	STM32G061C6U6	
	STM32G061C8U6	
	STM32G071C8U6TR	
	STM32G071K8U6	
	STM32G071KBU3	
3652238	STM32G0B1CCU6	
3652239	STM32G0B1CEU6	
3132403	STM32G431CBU3	
3132406	STM32G431KBU3	
3132408	STM32G431KBU6	
3132412	STM32G441CBU6	
3132414	STM32G441KBU6	
	STM32G473CBU6	
	STM32G473CCU6	
3246926	STM32G473CEU6	
3132392	STM32G474CEU6	
3246932	STM32G484CEU6	
3648866	STM32G491CCU6	
3648867	STM32G491CEU6	
3011631	STM32L412C8U6	
2980921	STM32L412CBU6	
3011633	STM32L412K8U6	
2980918	STM32L412KBU6	
2980923	STM32L422KBU6	
2758803	STM32L431KBU3	

2855686	STM32L431KCU6	
2758804	STM32L432KCU3	
	STM32L432KCU6	
2855693	STM32L433CBU6	
2855694	STM32L433CCU3	
2851022	STM32L451CCU3	
2758807	STM32L452CEU6	
3581064	STM32L4P5CEU6	
3581067	STM32L4P5CGU6	
3581072	STM32L4Q5CGU6	
3581073	STM32L4Q5CGU6P	
	STM32L552CCU6	
	STM32L562CEU6	
	STM32L562CEU6P	

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