

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/23/14272	
1.3 Title of PCN	ST Muar (Malaysia) qualification of extra large strip size for substrate for TFBGA 5x5 package assembly line - for STM32L0x/L1x and STM32F1x listed products	
1.4 Product Category	STM32Lx STM32Fx	
1.5 Issue date	2023-12-27	

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	Any change on substrate (part number, supplier, plant, design or composition of any layer, etc..)	ST MUAR (Malaysia)

4. Description of change

	Old	New
4.1 Description	The current Bill of Materials in ST Muar (Malaysia) assembly plant is described in Additional information document.	ST Muar (Malaysia) assembly plant 1. New Bonder platform upgraded to state of the art equipment. 2. New product Bill of Materials : - BOM items have been rationalized. - Solder mask was upgraded to halogen free composition. - Substrate strip size moved from Matrix to Extra-Large density. See detailed description in Additional information document.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	NO CHANGE - Same Form, Fit, Function	

5. Reason / motivation for change

5.1 Motivation	EHS Standard will be upgraded - new BOM is greener (BPA free)
5.2 Customer Benefit	ENVIRONMENT FOOTPRINT

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	2024-05-01
7.2 Intended start of delivery	2024-05-20
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14272 MDG-GPM-RER2333 PCN14272 ST Muar XL strip size for substrate for TFBGA 5x5 package - plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-12-27

9. Attachments (additional documentations)
14272 Public product.pdf 14272 MDG-GPM-RER2333 PCN14272 ST Muar XL strip size for substrate for TFBGA 5x5 package - plan.pdf 14272 PCN14272_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
	STM32F100R4H6B	
	STM32F100R8H6B	
	STM32F101RBH6	
	STM32F103R4H6A	
	STM32F103R6H6A	
	STM32F103R8H6	
	STM32F103RBH6	
	STM32F103RBH7	
	STM32L051R8H6	
	STM32L052R8H6	
	STM32L053R8H6	
	STM32L071RBH6	
	STM32L071RZH6	
	STM32L083RZH6	
	STM32L151R6H6	
	STM32L151R8H6	
	STM32L151RBH6	
	STM32L151RBH6A	
	STM32L151RBH6TR	
	STM32L152R8H6	
	STM32L152RBH6	



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 : ST Muar (Malaysia) qualification of extra large strip size for substrate for TFBGA 5x5 package assembly line - for STM32L0x/L1x and STM32F1x listed products

PCN Reference : MDG/23/14272

Subject : Public Products List

Dear Customer,

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

STM32L072RZH6TR	STM32L073RZH6	STM32F103R8H6
STM32F100R8H7B	STM32L152R8H6A	STM32L151R8H6TR
STM32L053R8H6	STM32L151RBH6	STM32L073RBH6
STM32L151RBH6TR	STM32L152R8H6	STM32L053R8H6D
STM32L071RBH6TR	STM32L083RZH3TR	STM32F101RBH6
STM32L152R6H6A	STM32L051R6H6	STM32L071RZH6
STM32L151R6H6	STM32L151R8H6A	STM32L051R8H6TR
STM32L071RZH6TR	STM32L051R8H7	STM32L083RZH6
STM32F100R8H6B	STM32L052R6H6	STM32L052R8H6
STM32F103RBH6	STM32F103RBH6TR	STM32L151R6H6A
STM32L152R6H6	STM32L151RBH6D	STM32F103RBH7
STM32L083RBH6	STM32F103R8H7	STM32L051R8H6
STM32F103R8H6TR	STM32L072RZH6	STM32L151R8H6
STM32L072RBH6TR	STM32L053R6H6	STM32F103R6H6A
STM32F100R4H6B	STM32L073RBH6TR	STM32F103R4H6A
STM32L152RBH6	STM32F100RBH6BTR	STM32F100R6H6B
STM32L072RBH6	STM32L071RBH6	STM32L151R8H6ATR
STM32L151RBH6A	STM32L151RBH6ATR	STM32F100RBH6B
STM32L151RBH6TTR	STM32L152RBH6A	

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