


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MMS/16/9604	
1.3 Title of PCN	STM32L04x 32K STM32L05 64K STM32L073x 192K products - new die minor revision	
1.4 Product Category	STM32L04x 32K & STM32L05 64K & STM32L073x 192K products	
1.5 Issue date	2016-02-23	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	MARSHALL DAVE
2.1.2 Phone	
2.1.3 Email	dave.marshall@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Michel BUFFA
2.1.2 Marketing Manager	Daniel COLONNA
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Die redesign	Mask or mask set change with new die design	NA

4. Description of change

	Old	New
4.1 Description	<p>Limitations described in errata sheets.</p> <ul style="list-style-type: none"> - STM32L04x 32K : revision A or revision B Errata sheet Revision 1 for STM32L031x4/6 products Errata sheet Revision 1 for STM32L041x4/6 products - STM32L05 64K : revision Y or revision Z Errata sheet Revision 4 for STM32L051x6/8 products Errata sheet Revision 4 for STM32L052x6/8 products Errata sheet Revision 4 for STM32L062K8 products Errata sheet Revision 4 for STM32L053x6/8 products Errata sheet Revision 3 for STM32L063x8 products - STM32L073x 192K : revision A or revision B Errata sheet Revision 2 for STM32L071x8/B/Z products Errata sheet Revision 2 for STM32L081xZ products Errata sheet Revision 3 for STM32L072x8/B/Z products Errata sheet Revision 3 for STM32L082KB/Z products Errata sheet Revision 4 for STM32L073x8/B/Z products Errata sheet Revision 4 for STM32L083x8/B/Z products 	<p>ST MCD Division is pleased to announce that the features of STM32L04x 32K & STM32L05 64K & STM32L073x 192K products, will be enhanced through the introduction of new dice revisions. I2C and USART wake up the device from Stop mode. BFB2 bit selects boot from Bank 2 on die STM32L073x 192K.</p> <ul style="list-style-type: none"> - Die STM32L04x 32K : Revision Y, changes are described in Errata sheet Revision 2 for STM32L031x4/6 products Errata sheet Revision 2 for STM32L041x4/6 products - Die STM32L05 64K : Revision X, changes are described in Errata sheet Revision 5 for STM32L051x6/8 products Errata sheet Revision 5 for STM32L052x6/8 products Errata sheet Revision 5 for STM32L062K8 products Errata sheet Revision 5 for STM32L053x6/8 products Errata sheet Revision 4 for STM32L063x8 products - Die STM32L073x 192K : Revision Z, changes are described in Errata sheet Revision 3 for STM32L071x8/B/Z products Errata sheet Revision 3 for STM32L081xZ products Errata sheet Revision 4 for STM32L072x8/B/Z products Errata sheet Revision 4 for STM32L082KB/Z products Errata sheet Revision 5 for STM32L073x8/B/Z products Errata sheet Revision 5 for STM32L083x8/B/Z products

4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Function : improvements are indicated in Errata sheets
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5. Reason / motivation for change

5.1 Motivation	The strategy of ST MCD Division is to increase the robustness and improve performances, quality and functionality of our products. This is achieved by introducing new dice revisions for STM32L04x 32K, STM32L05 64K and STM32L073x 192K products.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	The dice revisions change. - It is indicated in register DBG_ID code at address : 0x4001 5800. - It is marked on packages of the part, except on STM32L0xxxDIE0 products.
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7. Timing / schedule

7.1 Date of qualification results	2016-04-24
7.2 Intended start of delivery	2016-05-24
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	9604_417X_425Z_447Z Reliability plan - 447Z Reliability Report.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2016-02-23

9. Attachments (additional documentations)

9604PpPrdtLst.pdf 9604_Additional information.pdf 9604_417X_425Z_447Z Reliability plan - 447Z Reliability Report.pdf
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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
2488320	STM32L051K6T6	
2444626	STM32L051K8T6	
2488322	STM32L051K8U3	
2488323	STM32L051K8U6	
2488324	STM32L051K8U7	
2488326	STM32L051R8H6	
2488327	STM32L051R8H7	
2444628	STM32L051R8T6	
2488328	STM32L051T6Y6TR	
	STM32L051T8Y6DTR	
	STM32L051T8Y6TR	
	STM32L052C6T6	
2444629	STM32L052C8T6	
	STM32L052C8T7	
	STM32L052K8T7	
	STM32L052K8U6	
	STM32L052R6H6	
	STM32L052R6T6	
	STM32L052T6Y6TR	
	STM32L053C6T6	
	STM32L053C8T7	
2488342	STM32L053R6H6	
2488343	STM32L053R6T6	

2488344	STM32L053R8H6	
2488345	STM32L062K8T6	
2488346	STM32L062K8U6	
2488347	STM32L063C8T6	
2488348	STM32L063R8T6	
2488319	STM32L051C8T7	
2488321	STM32L051K8T7	
	STM32L051R8T7	
2518141	STM32L052C8T6D	
2518153	STM32L072RZI6D	
2518151	STM32L072RBT6	

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