


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MMS/15/9292	
<b>1.3 Title of PCN</b>	STM32L152V 128K STM32L162 384K STM32L162 512K - dice minor revision	
<b>1.4 Product Category</b>	STM32L1 128K Shrink & STM32L1 384K & STM32L1 512K dice. See full part number list in 9292_Detailed description document attached.	
<b>1.5 Issue date</b>	2015-12-21	

**2. PCN Team**

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

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
Die redesign	Mask or mask set change with new die design	ST Rousset (France)

**4. Description of change**

	Old	New
<b>4.1 Description</b>	<p>Limitations described in erratasheets.</p> <ul style="list-style-type: none"> <li>- Die STM32L1 128K Shrink : revision Z Errata sheet Revision 6 for STM32L1xxx6/8/B-A products</li> <li>- Die STM32L1 384K : revision Y Errata sheets : Revision 2 for STM32L15xxD/C/C-A products, Revision 2 for STM32L162xD/C/C-A products</li> <li>- Die STM32L1 512K : revision A Errata sheets : Revision 3 for STM32L15xxE STM32L15xVD-X products, Revision 3 for STM32L162xE STM32L162VD-X products</li> </ul>	<p>ST MCD Division is pleased to announce that the features of STM32L152V 128K &amp; STM32L162 384K &amp; STM32L162 512K products, will be enhanced through the introduction of new dice revisions.</p> <ul style="list-style-type: none"> <li>- Die STM32L1 128K Shrink : Revision Y Changes are described in Errata sheet Revision 7 for STM32L1xxx6/8/B-A products Wake up issues from stop and standby.</li> <li>- Die STM32L1 384K : Revision X Changes are described in Errata sheets : Revision 3 for STM32L15xxD/C/C-A products, Revision 3 for STM32L162xD/C/C-A products Wake up issues from stop and standby.</li> <li>- Die STM32L1 512K : Revision Z Changes are described in Errata sheets : Revision 4 for STM32L15xxE STM32L15xVD-X products, Revision 4 for STM32L162xE STM32L162VD-X products Wake up issues from stop and standby.</li> </ul>
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	Function : changes indicated in Errata sheets	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	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 STM32L152V 128K & STM32L162 384K & STM32L162 512K products.
<b>5.2 Customer Benefit</b>	QUALITY IMPROVEMENT

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	The dice revisions change, see table in 9292_Detailed description document attached. It is marked onto the package of the part.
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7. Timing / schedule	
7.1 Date of qualification results	2016-02-21
7.2 Intended start of delivery	2016-03-21
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	9292_reliability plan_429Y_436X_437Z.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2015-12-21

9. Attachments (additional documentations)
9292PpPrdtLst.pdf 9292_Detailed description.pdf 9292_reliability plan_429Y_436X_437Z.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
2488349	STM32L151VBH6D	
2503297	STM32L151RBT7A	

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