

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/16/9788	
<b>1.3 Title of PCN</b>	STM32L04x 32K products - minor revision	
<b>1.4 Product Category</b>	STM32L03x STM32L04x products	
<b>1.5 Issue date</b>	2016-05-11	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@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	NA

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	Dice with revisions B & Y.	Die with revision X.
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	no change	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	The product is robust and qualified in line with its datasheet specifying 4.0V on VDD Absolute Maximum Rating parameter. Nevertheless, we observed that some very specific applications could have VDD going above this 4.0V maximum and may cause permanent damage to the device as mentioned in the datasheet. Even if such applications having a VDD above 4.0V are not guaranteed by the product datasheet, we managed to reduce by design the stress applied to the most exposed active structures of the product in case of Electrical Overstress. By precautionary principle, we are proposing this design robustness improvement in the next version X of this product.
<b>5.2 Customer Benefit</b>	QUALITY IMPROVEMENT

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

<b>6.1 Description</b>	The die revision changes. It is marked on packages of the part.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2016-07-11
<b>7.2 Intended start of delivery</b>	2016-08-11
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	PCN9788- RERMCD1413 reliability plan.pptx		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2016-05-11

**9. Attachments (additional documentations)**

9788PpPrdtLst.pdf  
PCN9788- RERMCD1413 reliability plan.pptx

**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
	STM32L031K6T7	



## Public Products List

**PCN Title :** STM32L04x 32K products - minor revision

**PCN Reference :** MDG/16/9788

**PCN Created on :** 03-May-2016

**Subject :** Public Products List

Dear Customer,

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

STM32L031G6U6TR	STM32L041K6U6	STM32L041F6P7
STM32L031K6T6	STM32L031G6U7	STM32L031F6P6
STM32L031K6U7	STM32L041C6T7	STM32L031E6Y6TR
STM32L031E6Y6DTR	STM32L031G6U6	STM32L031K6T7
STM32L041K6U7	STM32L031C6T7	STM32L041G6U7
STM32L031F4P3	STM32L041K6U6D	STM32L031K6U6TR
STM32L031F6P7	STM32L041K6T7	STM32L031E4Y6TR
STM32L041K6U6TR	STM32L031F4P6	STM32L031C4T6
STM32L031G4U6	STM32L031K4U6TR	STM32L031K4U6



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