


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

| | | |
|-----------------------------|---|--------------------------------------|
| 1.1 Company |  | STMicroelectronics International N.V |
| 1.2 PCI No. | MDG/16/9905 | |
| 1.3 Title of PCI | Bootloader improvement on STM32L432 & STM32L433 & STM32L442 & STM32L443 devices | |
| 1.4 Product Category | STM32L432 & STM32L433 & STM32L442 & STM32L443 products | |
| 1.5 Issue date | 2016-09-27 | |

2. PCI 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 | 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 |
| General Product & Design | (Not Defined) | NA |

4. Description of change

| | Old | New |
|--|---|--|
| 4.1 Description | Previous application Note AN2606 is : DocID13801 Rev 27 | Embedded bootloader improvement when using USB-DFU interface. For more details refer to AN2606 rev 28, table 99 : http://www.st.com/internet/com/TECHNICAL_RESOURCES/TECHNICAL_LITERATURE/APPLICATION_NOTE/CD00167594.pdf |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | Improvement of the function. No impact on form, fit, reliability, processability. | |

5. Reason / motivation for change

| | |
|-----------------------------|--|
| 5.1 Motivation | This change will improve the robustness of the bootloader execution when USB bootloader is used. |
| 5.2 Customer Benefit | QUALITY IMPROVEMENT |

6. Marking of parts / traceability of change

| | |
|------------------------|--|
| 6.1 Description | Traceability of the change is ensured by ST internal tools. At the address 0x1FFF6FF2, bootloader identification is changing from 0xFF to 0x10. |
|------------------------|--|

7. Timing / schedule

| | |
|--|----------------|
| 7.1 Date of qualification results | 2016-09-23 |
| 7.2 Intended start of delivery | 2016-10-23 |
| 7.3 Qualification sample available? | Not Applicable |

8. Qualification / Validation

| | |
|---|-------------|
| 8.1 Description | |
| 8.2 Qualification report and qualification results | In progress |
| Issue Date | |

9. Attachments (additional documentations)

9905PpPrdtLst.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 |
| | STM32L432KBU6 | |
| | STM32L432KCU6 | |
| | STM32L433CCT6 | |
| | STM32L433CCU6 | |
| | STM32L433RCI6 | |
| | STM32L433RCT6 | |
| | STM32L433VCI6 | |
| | STM32L433VCT6 | |
| | STM32L442KCU6 | |
| | STM32L443CCT6 | |
| | STM32L443CCU6 | |
| | STM32L443RCI6 | |
| | STM32L443RCT6 | |
| | STM32L443VCI6 | |
| | STM32L443VCT6 | |



Public Products List

PCI Title : Bootloader improvement on STM32L432 & STM32L433 & STM32L442 & STM32L443 devices

PCI Reference : MDG/16/9905

PCI Created on : 04-Aug-2016

Subject : Public Products List

Dear Customer,

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

| | | |
|-----------------|-----------------|-----------------|
| STM32L433RCT6TR | STM32L433RCT6 | STM32L433CCU6 |
| STM32L433VCT6 | STM32L442KCU6 | STM32L443RCI6TR |
| STM32L443RCY6TR | STM32L443VCI6 | STM32L443RCT6 |
| STM32L443CCT6 | STM32L433CCT6 | STM32L432KCU6 |
| STM32L433VCI6 | STM32L433RCY6TR | STM32L443RCI3 |
| STM32L443CCY6TR | STM32L443RCI6 | STM32L443CCU6 |
| STM32L443VCT6 | STM32L433CCY6TR | STM32L433RCI6 |



IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.