



## Public Products List

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**PCI Title :** ST MUAR Enhanced traceability with 2D marking for LQFP7x7, LQFP10x10 & LQFP14x14 listed products

**PCI Reference :** MDG/22/13318

**Subject :** Public Products List

Dear Customer,

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

STM32F098VCT6	STM32F103RET6	STM32F051C8T6TR
STM32L073V8T6	STM32F051C6T6	STM32F078CBT6
STM8S207C6T6TR	STM32F103RBT6TR	STM8S207K8T6CTR
STM32F103VET6	STM8S208CBT6	STM32F031C4T6
STM32L073VBT6TR	STM32F205VGT7TR	STM32F070CBT6TR
STM32F102C4T6A	STM32F071V8T6TR	STM8L152C6T6
STM32F417VET6TR	STM8S207K6T6C	STM32L071V8T6TR
STM32F101RET6TR	STM8S207R8T6	STM32L083VBT6
STM32F205VGT6TR	STM32F103VGT6TR	STM32F103R8T7
STM32F446VET6	STM32F101RBT6	STM32F100RBT6B
STM32F102RBT6TR	STM32F205VCT7TR	STM32F101RBT6TR
STM32F103V8T6TR	STM32F103VGT7TR	STM32F407VGT7TR
STM32F105RCT7	STM32F072CBT6TR	STM32F407VET6
STM32F415VGT6	STM32F103VDT6TR	STM32F103RBT7TR
STM32F102CBT6	STM32F030C6T6TR	STM8S105K4T6C
STM32L151R8T6	STM32F205VCT6TR	STM8L052C6T6TR
STM32F030CCT6	STM8S005C6T6	STM32F103VFT7
STM32F103VCT6TR	STM32F101C8T6	STM32L071VZT6
STM32F105VCT6TR	STM8L152C8T6	STM32F038C6T6
STM32F103RET7	STM32F101V8T6TR	STM32F101VET6TR
STM32F207VGT7	STM32F105RCT6	STM32F071CBT6TR
STM32F105RBT6TR	STM32F071V8T6	STM32F072V8T6
STM8L151C6T6TR	STM8S207C8T6TR	STM32F101VET6
STM32F205VBT6	STM8S105C4T6TR	STM32F215VET6
STM32F100VDT6B	STM32F038C6T7	STM32F100V8T7B
STM32F072VBT6	STM32F405VGT7TR	STM32L100RBT6
STM32F100VBT6BTR	STM32F102C6T6A	STM32F103VDT7
STM32F102RBT6	STM32F215VGT6	STM32F030RCT6
STM32F207VCT7	STM32F031C6T7	STM32F217VET6
STM32F207VFT6TR	STM32F101RDT6	STM32F071VBT6
STM8L151R8T6TR	STM32L073VZT6D	STM32F439VIT6
STM32F427VIT7TR	STM32F103CBT6TR	STM32F302VCT6TR
STM32F303VCT6TR	STM32F103RDT6TR	STM32L083VZT6
STM32F103RET6TR	STM32F103VFT6	STM32F101VDT6TR
STM8S207R6T6	STM8S207R8T3TR	STM32F207VET6
STM8S208RBT3	STM32F101C8T6TR	STM32F103CBT6



## Public Products List

STM32F091VCT7TR	STM8S103K3T6CTR	STM32F103VFT6TR
STM32F101CBT6	STM32F101RCT6TR	STM32F051C4T6TR
STM32L073VZT6	STM32F100C8T6BTR	STM32L071V8T6
STM32F102CBT6TR	STM32F407VGT7	STM32F407VGT6
STM32F105VBT6	STM32F302VBT6	STM32F091VCT7
STM32F030C6T6	STM32L072VBT6	STM32F303VCT7TR
STM32F071CBT6	STM32F303VCT6	STM32F427VIT6
STM32F091VCT6TR	STM32F446VET7	STM32L073VBT7TR
STM32F107VCT7	STM32F070CBT6	STM32F103R8T6
STM32F031C6T7TR	STM32F302VET6TR	STM32F102C8T6
STM32F205VET6TR	STM32F103VDT6	STM32F102C8T6TR
STM32F417VGT6	STM32F100VET6BTR	STM32F415VGT6TR
STM8L152C4T6TR	STM32F031C4T6TR	STM32F100VDT7B
STM32F091VCT6	STM32F302VCT6	STM32F207VET6TR
STM32F429VGT6	STM32F417VGT7	STM32F051C8T6
STM32F091VBT6	STM32F207VGT6	STM8S207R8T6TR
STM32F103R8T7TR	STM32F100R6T6B	STM32F101RDT6TR
STM32F405VGT6TR	STM32F405VGT6	STM32F100VBT7B
STM32F071CBT7	STM32F091RBT6	STM32F071VBT6TR
STM32F072CBT6	STM32F051C6T7TR	STM32F103VGT7
STM8L152C8T6TR	STM32F205VCT6	STM32F205VGT7
STM32F103RCT7TR	STM32F071C8T6TR	STM32F215VGT7
STM8S005K6T6CTR	STM32F103VBT6TR	STM32F072C8T6
STM32F205VCT7	STM32F217VET6TR	STM32F101RET6
STM32F071C8T6	STM32F091VBT7	STM32F437VGT6TR
STM32F038C6T6TR	STM32F217VGT6	STM32L073VBT7
STM32F101VBT6	STM32L071VBT6	STM32F103V8T6
STM32F101V8T6	STM32F100VBT6B	STM8S207R6T6TR
STM32F103R8T6TR	STM32F437VGT7	STM32F217VGT6TR
STM32F427VGT6TR	STM32F303VBT6	STM32F103VCT6
STM8L151R8T3	STM32F303VCT7	STM32F205VET7TR
STM32L100RBT6TR	STM8S903K3T6CTR	STM8L151C8T6TR
STM32F100R8T7BTR	STM32L073VZT3	STM32F407VGT6TR
STM32F103VET7TR	STM32F030C8T6	STM8S207K6T6CTR
STM32F102C4T6ATR	STM32F429VIT6	STM8S207C6T6
STM32F103RCT6	STM32F302VBT6TR	STM8S207RBT3TR
STM32F207VCT6	STM32F103RCT7	STM32L083V8T6
STM32F101RCT6	STM32F303VBT6TR	STM32F100R4T6BTR
STM8S207RBT3	STM32F429VET6TR	STM32F446VET6TR
STM8L052R8T6	STM32F429VIT6TR	STM8S208C8T6TR
STM32F098RCT6	STM8L152R8T3	STM32F407VET6TR
STM32F103C6T6ATR	STM32F437VIT6	STM32F207VCT6TR
STM32F103RBT7	STM8S105C6T6TR	STM32F101VCT6
STM32F103VET7	STM32F100V8T6B	STM32F105VCT6
STM8L152R8T6	STM32F030C8T6TR	STM8L162R8T6
STM32F105V8T6	STM32F101R8T6	STM32F103RCT6TR
STM32F103RDT6	STM32F107VBT6	STM32F423VHT6
STM32F107VCT6TR	STM32F105VCT7	STM32F205VET7
STM32F107RBT6TR	STM8S208C6T6TR	STM8L052C6T6
STM32F105V8T6TR	STM8L151C6T6	STM32F105RCT6TR



## Public Products List

STM32F413VGT3	STM32F303VDT6TR	STM32F100V8T6BTR
STM32F101VFT6	STM32F302VCT7	STM32F100CBT6B
STM32F205VET6	STM32F072VBT6TR	STM8L052R8T6TR
STM32F358VCT6	STM32F102C6T6ATR	STM32F417VET6
STM32F103VET6TR	STM8S903K3T6C	STM32F405VGT7
STM32F100R6T6BTR	STM32F101R8T6TR	STM32F107RCT6
STM32F103VBT6	STM32F101VCT6TR	STM32F051C6T7
STM32F413VGT6TR	STM32F071CBT7TR	STM32F101C4T6A
STM8L151R8T6	STM32F412VGT6	STM32L100R8T6TR
STM32F101C6T6A	STM32F413VGT6	STM32F437VIT6TR
STM32F091RCT7	STM32F205VGT6	STM32F031C6T6TR
STM8S207R8T3	STM32F105RBT6	STM8L152R6T6
STM32F413VGT3TR	STM32F103VGT6	STM32F101VBT6TR
STM32L072VZT6	STM32F101CBT6TR	STM32F100C4T6BTR
STM8S005K6T6C	STM32F429VET6	STM32F437VIT7TR
STM32L072V8T6	STM8L151R6T6TR	STM32F100C6T6BTR
STM32F413VHT6	STM8S208C8T6	STM8S007C8T6TR
STM32F446VCT6TR	STM32F437VGT7TR	STM32F303VDT6
STM8S003K3T6C	STM8S105K6T6C	STM32F100VET7B
STM32F205VFT6	STM32F072CBT7	STM32F427VGT6
STM32F100R8T6B	STM8L151C4T6	STM32F205VFT6TR
STM8S208RBT6	STM32F051C6T6TR	STM32F412VGT6TR
STM32F071V8T7TR	STM32F412VET3	STM32F412VET6TR
STM32F100VCT6BTR	STM8S105C4T6	STM8S208C6T6
STM32F427VIT6TR	STM8L152C4T6	STM32F437VGT6
STM32F107VCT6	STM32L073VBT6	STM32F100R8T6BTR
STM8S007C8T6	STM8S207RBT6	STM32F446VCT7
STM32F051C8T7TR	STM32F412VET6	STM8S207C8T6
STM8L152R6T6TR	STM32L151R6T6TR	STM8S207RBT6TR
STM32F417VGT6TR	STM8L151R6T6	STM32F091RCT6
STM32F412VET3TR	STM32F107RCT6TR	STM32L100R8T6
STM32L073VZT6TR	STM32F031C6T6	STM8S207CBT6
STM8S105K4T6CTR	STM32F446VCT6	STM32F107RCT7
STM32L151RBT6	STM32F100CBT6BTR	STM32L083VBT6TR
STM32F415VGT7TR	STM32F101VDT6	STM32F105R8T6TR
STM8S208R8T6	STM32F103C8T6TR	STM32L152VCT6TR
STM8S207CBT6TR	STM8S105K6T6CTR	STM32L162VCT6
STM32F429VGT6TR	STM8S103K3T6C	STM32F051C8T7
STM32F303VBT7	STM32F072C8T6TR	STM32F103VBT7
STM32L152VCT6	STM32F100R4T6B	STM8S207K8T6C
STM32F102R8T6	STM32F105R8T6	STM8S105C6T6
STM32F302VCT7TR	STM32F105R8T7	STM32L071VBT6TR
STM32F439VGT6	STM8S003K3T6CTR	STM32F103VBT7TR
STM8L151C4T6TR	STM32F303VET6	STM32F101VGT6
STM32F437VIT7	STM32F100VET6B	STM8L152C6T6TR
STM32F207VGT6TR	STM32F103C6T6A	STM32F303VET7
STM32L151RBT6TR	STM32F100RBT6BTR	STM32F423VHT6TR
STM32F107RBT6	STM32F412VGT7	STM32F100VCT6B
STM8L151C8T6	STM32F103RBT6	STM32L151R6T6
STM32L152R8T6	STM32F100R8T7B	STM32F302VDT6



## Public Products List

STM32F100VDT6BTR	STM32F072C8T7	STM8S005C6T6TR
STM32F207VFT6	STM32F103C8T6	STM32F051C4T6
STM32F100C4T6B	STM8S208CBT6TR	STM32F071V8T7
STM32L151VCT6TR	STM32F437VIT6WTR	STM32F302VET6
STM32F091RCT6TR	STM32F101VFT6TR	STM32F100C6T6B
STM32L152R6T6	STM32F098CCT6	STM32L152R6T6TR
STM32F103C4T6A	STM32F101C6T6ATR	STM32F030RCT6TR
STM32F302VDT6TR	STM32L152RBT6	STM32F100C8T6B
STM32F303VET6TR	STM32L152R8T6TR	



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**PRODUCT/PROCESS  
CHANGE INFORMATION  
PCI13318 – Additional information**

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**ST MUAR Enhanced traceability with 2D marking for LQFP7x7,  
LQFP10x10 & LQFP14x14 listed products**

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**MDG – General Purpose Microcontrollers sub-group (GPM)**

**What is the change?**

Purpose is to homogenize the marking composition to allow better identification of STM8/STM32 products whatever the production site (for package bigger or equal to 7x7mm body size).

For all listed products marking composition will include 2D information. This enhanced traceability will allow a unique traceability per device from manufacturing to the end customer.

**Codes already available on current marking:**

- PP** : Assembly Plant code
- LLL** : BE sequence
- WX** : Wafer Diffusion Plant code
- SS** : ASsembly Sub-Lot
- COO** : Country Of Origin code
- TF** : Test & Finishing site code
- Y WW** : Year Week (manufacturing date)
- R** : **Additional Information** (Die Version)

Impacted Assembly site	COO Country Of Origin	PP Product Plant
ST Muar (Malaysia)	MYS	99



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### How can the change be seen?

Table below shows marking examples for different package.

	Current marking composition example	New marking composition example
Impacted Package	Without	With 2D Marking
LQFP 32 7x7x1.4 MM		
LQFP 48 7x7x1.4 MM		
LQFP 64 10x10x1.4 MM		
LQFP 100 14x14x1.4 MM		



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Some specific highlights:

- New marking will replace current marking.
- To save some space, "TF" code information has been removed from LQFP48 marking.
- Marking area is broken out into two separate lines to allow maximum information to be displayed.
  - o In the new marking condition, the marking area (lines in blue color in above table) will be filled up to the last possible character of the first line and will be resumed on the second line.
- As a consequence, the cardboard box labeling will also display this change, but we may have mismatch between Box Labelling and marking composition of parts inside this box during the transition time for about a few weeks. Refer to below examples of box labeling.

Package size with box labeling examples	Box labeling before:	Box labeling after:
LQFP 32 7x7x1.4 MM	<b>STM8S207</b> K8T6C V	<b>STM8S20</b> 7K8T6C V
LQFP 48 7x7x1.4 MM	<b>32F100</b> C8T6B Z	<b>STM32F1</b> 00C8T6B Z
LQFP 64 10x10x1.4 MM	<b>STM32F101</b> RCT6 2	<b>STM32F101R</b> CT6 2
LQFP 100 14x14x1.4 MM	<b>STM32F071</b> VBT6 Y	<b>STM32F071VBT</b> 6 Y





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