

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	MDG/24/14486
1.3 Title of PCN	STM32U575x & STM32U585x - product Enhancement
1.4 Product Category	STM32U575x STM32U585x
1.5 Issue date	2024-07-10

2. PCN 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	Ricardo Antonio DE SA EARP
2.1.2 Marketing Manager	Veronique BARLATIER
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	TSMC FAB14 (Taiwan)

4. Description of change

	Old	New
4.1 Description	STM32U575xx and STM32U585xx - (Die482 - cut3.1 revision W) product shows several limitations as described in Errata Sheet (ES0499 - Rev 9 -January 2024) : - Device hang-up can occur when wakeup request received a few clock cycles before entering Stop 2 or Stop 3 mode - Device may be locked upon system reset under Stop 2 mode - Device may hang up when entering low-power modes	STM32U575xx and STM32U585xx - (Die482 - cut3.3 revision U) product enhancement fixes three limitations related to low-power modes as described in Errata Sheet (ES0499 - Rev 10 - July 2024): - Device hang-up can occur when wakeup request received a few clock cycles before entering Stop 2 or Stop 3 mode - Device may be locked upon system reset under Stop 2 mode - Device may hang up when entering low-power modes
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Functionality enhancement	

5. Reason / motivation for change

5.1 Motivation	Improvements was implemented to increase robustness, performances and quality of our products.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	traceability ensured by ST internal tools Die revision changes from "W" to "U" on Package Marking.
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7. Timing / schedule

7.1 Date of qualification results	2024-07-31
7.2 Intended start of delivery	2024-10-01
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	14486 RERMCD1919 STM32U5 Die 482U cut3.3 - qual plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-07-10

9. Attachments (additional documentations)	
14486 Public product.pdf 14486 RERMCD1919 STM32U5 Die 482U cut3.3 - qual plan.pdf 14486 PCN14486_Additional information.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
	STM32U575CIT6Q	
	STM32U575CIU6Q	
	STM32U575RIT6	
	STM32U575RIT6Q	
	STM32U575VIT6	
	STM32U575VIT6Q	
	STM32U575ZIT6	
	STM32U575ZIT6Q	
	STM32U585AII6	
	STM32U585AII6Q	
	STM32U585CIT6	
	STM32U585CIU3Q	
	STM32U585QII3	
	STM32U585RIT6	
	STM32U585RIT6Q	
	STM32U585VIT6	
	STM32U585VIT6Q	



Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCN Title : STM32U575x & STM32U585x - product Enhancement

PCN Reference : MDG/24/14486

Subject : Public Products List

Dear Customer,

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

STM32U585CIT6	STM32U585CIU6	STM32U585VIT6TR
STM32U575ZGT6Q	STM32U575VIT6TR	STM32U575AGI6TR
STM32U575CIT6Q	STM32U585CIT3	STM32U575RGT6TR
STM32U585ZIT3Q	STM32U585OIY6QTR	STM32U585RIT3TR
STM32U575QGI3	STM32U585QII6TR	STM32U585VIT6Q
STM32U575CGU6	STM32U585RIT6TR	STM32U585AII6TR
STM32U575OGY3QTR	STM32U575VGT3	STM32U575CIT6
STM32U575OIY6QTR	STM32U585ZIT6Q	STM32U575QII3
STM32U575VGT6Q	STM32U585QII3	STM32U575QII6
STM32U575VGT6TR	STM32U575ZIT6Q	STM32U575OGY6QTR
STM32U585AII6Q	STM32U585CIU6Q	STM32U575CGT6
STM32U575CGT6Q	STM32U585VIT3TR	STM32U585AII6
STM32U575CGU6Q	STM32U575RGT3	STM32U585QII6Q
STM32U585QII3QTR	STM32U585RIT3	STM32U575VGT3TR
STM32U575VIT6Q	STM32U575QGI3TR	STM32U575RIT3
STM32U575QII3TR	STM32U585VIT3	STM32U575CIU6
STM32U585RIT6Q	STM32U575AGI6	STM32U585CIU3Q
STM32U575QGI6Q	STM32U585CIT6Q	STM32U575ZIT6TR
STM32U585AII6QTR	STM32U575RGT6Q	STM32U575CGU6TR
STM32U575ZGT3QTR	STM32U575CGU3	STM32U575QII6Q
STM32U575AII6	STM32U585CIT3TR	STM32U575ZIT3Q
STM32U585QII6	STM32U585VIT3Q	STM32U575RIT6Q
STM32U585QII3TR	STM32U575VIT6	STM32U585RIT6
STM32U575RIT6	STM32U575VGT6	STM32U575ZGT3Q
STM32U575ZIT6	STM32U575VIT6QTR	STM32U585QII6QTR
STM32U585ZIT3QTR	STM32U575QGI6	STM32U585RIT3Q
STM32U575ZGT6	STM32U575AII6Q	STM32U575ZGT3
STM32U575OIY3QTR	STM32U585RIT6QTR	STM32U575CIU6Q
STM32U575ZIT3QTR	STM32U575QGI3Q	STM32U575RGT6
STM32U585AII3	STM32U575AGI6Q	STM32U585ZIT6
STM32U585VIT6QTR	STM32U585QII3Q	STM32U585CIU6TR
STM32U575QGI6TR	STM32U575CGU3Q	STM32U585VIT6
STM32U575QII6TR		

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