PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data			
1.1 Company	577	STMicroelectronics International N.V	
1.2 PCN No.		MDG/16/9942	
1.3 Title of PCN		STM32F7x 2MB - die minor revision & Optimized substrate layout on TFBGA package only	
1.4 Product Category		Change 1 : STM32F7x 2MB family products, all products listed in this PCN. Change 2 : STM32F7x 2MB family products in TFBGA package, so only STM32F7xNxH commercial products listed in this PCN.	
1.5 Issue date		2016-11-17	

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	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	
Die redesign		Change 1 : diffusion plant, Crolles 300 (France) Change 2 : assembly plant, Amkor ATP3 (Philippines)	

4. Description of change			
	Old	New	
4.1 Description	Change 1 : Die with revision A.	Change 1: Die with revision Z.	
	Change 2: LSE high driving and low driving capability is not usable for TFBGA package under certain conditions.	Change 2: New substrate layout on TFBGA package products, to fix LSE high driving and low driving limitations.	
		Both changes are implemented at the same time and cannot be accepted independently.	
	Both limitations are described in Errata sheet Revision 3 for STM32F76xxx STM32F77xxx products - DocID028806	Both changes are described in Errata sheet Revision 4 for STM32F76xxx STM32F77xxx products - DocID028806.	
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Change 1 & 2 : Function : improvements are indicated in Errata sheet		

5. Reason / motivation for change		
	To increase the robustness and improve performances, the quality and the functionality of our products. We are introducing a new die revision which optimize the substrate design for the TFBGA package.	
5.2 Customer Benefit	QUALITY IMPROVEMENT	

6. Marking of parts / traceability of change		
6.1 Description	The die revision changes from "A" to "Z". It is marked on packages of the part.	

7. Timing / schedule		
7.1 Date of qualification results	2016-11-15	
7.2 Intended start of delivery	2017-02-15	
7.3 Qualification sample available?	Upon Request	

8. Qualification / Validation			
8.1 Description PCN9942_Die_451XXXZ_Qualification_plan.pptx			
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2016-11-17

9. Attachments (additional documentations)

9942PpPrdtLst.pdf PCN9942_Die_451XXXZ_Qualification_plan.pptx PCN9942_Additional information.pdf

10. Affected parts			
10. 1 Current		10.2 New (if applicable)	
0.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No	
	STM32F765BGT6		
	STM32F765BIT6		
	STM32F765IGK6		
	STM32F765IGT6		
	STM32F765IIK6		
	STM32F765IIT6		
	STM32F765NGH6		
	STM32F765NIH6		
	STM32F765VGT6		
	STM32F765VIT6		
	STM32F765ZGT6		
	STM32F765ZIT6		
	STM32F767BGT6		
	STM32F767BIT6		
	STM32F767IGK6		
	STM32F767IGT6		
	STM32F767IIK6		
	STM32F767IIT6		
	STM32F767NGH6		
	STM32F767NIH6		
	STM32F767VGT6		
	STM32F767VIT6		
	STM32F767ZGT6		
	STM32F767ZIT6		
	STM32F769BGT6		
	STM32F769BIT6		
	STM32F769IGT6		
	STM32F769IIT6		
	STM32F769NGH6		
	STM32F769NIH6		
	STM32F777BIT6		
	STM32F777IIK6		
	STM32F777IIT6		
	STM32F777NIH6		
	STM32F777VIT6		
	STM32F777ZIT6		
	STM32F779BIT6		
	STM32F779IIT6		
	STM32F779NIH6		



Public Products List

PCN Title: STM32F7x 2MB - die minor revision & Optimized substrate layout on TFBGA package only

PCN Reference: MDG/16/9942
PCN Created on: 22-Sep-2016

Subject: Public Products List

Dear Customer,

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

STM32F779NIH6	STM32F769IIT6	STM32F767VIT6
STM32F769NIH6	STM32F767NIH6	STM32F769AIY6TR
STM32F767IIT6	STM32F767IIK6	STM32F767ZIT6
STM32F767BIT6	STM32F769BIT6	STM32F777NIH6

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