PRODUCT / PROCESS CHANGE INFORMATION

	1. PCI basic data		
1.1 Company		STMicroelectronics International N.V	
1.2 PCI No.		MDG/24/14492	
1.3 Title of PCI		AMKOR ATT (Taiwan) for listed products in WLCSP Packages - Polyimide (PI) passivation layer change from version LTC9320-E07S to LTC9320-E19	
1.4 Product Category		GPM - STM32WB: STM32WB55xx - STM32U: STM32U535x & STM32U545x. CS /EEPROM: - M35Pxx-CXCST/EF - M95Pxx-IXCST/EF in WLCSP package	
1.5 Issue date		2024-04-05	

2. PCI Team	
2.1 Contact supplier	
2.1.1 Name	KRISZTINA NEMETH
2.1.2 Phone	+49 89460062210
2.1.3 Email	krisztina.nemeth@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Ricardo Antonio DE SA EARP, Marie-France FLORENTIN
2.1.2 Marketing Manager	Veronique BARLATIER,Sylvain FIDELIS
2.1.3 Quality Manager	Pascal NARCHE, Mickael DENAIS-ALLICHON

3. Change		
3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New direct material part number (same supplier, different supplier or new supplier), Bumps	AMKOR ATT (Taiwan)

4. Description of change		
	Old	New
4.1 Description	supplier: Asian source Both of Exposure machines type Aligner and Stepper can use for	New Condition: LTC 9320 E19 Polymer supplier: European source Dedicate Exposure machines type: Stepper is for Pl1 and Aligner is for Pl2.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change		
5.1 Motivation	Fujifilm announced that passivation layer LTC-9320 E07S will be discontinued and ATT proposed using the latest version LTC-9320 E19 instead.	
	The present volatile market situation impacts the chemical raw material availability. The high market demands create raw material shortages and force raw material suppliers to optimize their product portofolio. The present resin supplier of Fuji-LTC9320-E07S passivation layer decided to stop the production of the raw material with immediate effect under these market circumstances. This specific resin is only used in the production of LTC 9320-E07S. Consequently, LTC9320-E07S has become obsolete, the current stock is limited and will be replaced by a new LTC9320-E09 starting march 2024.	
5.2 Customer Benefit SERVICE CONTINUITY		

6. Marking of parts / traceability of change		
6.1 Description	Traceability ensured by ST internal tool and date code on the package marking.	

7. Timing / schedule		
7.1 Date of qualification results	2024-03-26	

7.2 Intended start of delivery	2024-04-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description 14492 MDG RER2114 V1 - PCI14492 - ATT WLCSP LTC9320 E19 - reliability evaluation report.pd			aluation report.pdf
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-04-05

9. Attachments (additional documentations)		
14492 Public product.pdf 14492 MDG RER2114 V1 - PCI14492 - ATT WLCSP LTC9320 E19 - reliability evaluation report.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	
	STM32WB55VGY6TR		
	STM32WB5MMGH6TR		

IMPORTANT NOTICE - PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, 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.

© 2022 STMicroelectronics - All rights reserved