


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/22/13410	
<b>1.3 Title of PCN</b>	ST MUAR (Malaysia) die attach material (Glue) additional source for STM32 LQFP 14x14 SHD 100L package - on listed products	
<b>1.4 Product Category</b>	STM32 in LQFP 14x14 SHD 100L package	
<b>1.5 Issue date</b>	2022-06-24	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	KLEINSCHMIDT TOBIAS
<b>2.1.2 Phone</b>	+49 89460062121
<b>2.1.3 Email</b>	tobias.kleinschmidt@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Ricardo Antonio DE SA EARP
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
Materials	New direct material part number (same supplier, different supplier or new supplier), Die Attach material	ST MUAR (Malaysia)

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	STM32 LQFP 14x14 SHD 100L package current die attach material is glue Loctite Ablestik ABP8302	STM32 LQFP 14x14 SHD 100L package Die attach material : - glue Loctite Ablestik ABP8302 - current - glue Hitachi EN4900GC - additional
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	no impact	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	We are facing a Shortage of GLUE LOCTITE ABLESTIK ABP8302 due to COVID-19 lockdown in Shanghai. For STM32 LQFP 14x14 SHD 100L listed devices we can replace the glue by GLUE HITACHI EN4900GC since this Glue is already used and qualified for LQFP 10x10 64L with same LF finishing and same wire. To minimize the risk ST Microcontrollers Division decided to use an already qualified in ST product as additional glue to maintain state of the art service level to our customers and avoid line stop.
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	Traceability ensured by ST internal tool
------------------------	--

**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2022-05-19
<b>7.2 Intended start of delivery</b>	2022-05-25
<b>7.3 Qualification sample available?</b>	Not Applicable

<b>8. Qualification / Validation</b>			
--------------------------------------	--	--	--

<b>8.1 Description</b>	13410 MDG-MCD RER1514- LQFP7x7 Muar-PCN9484- reliability evaluation report.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2022-06-24

<b>9. Attachments (additional documentations)</b>			
---	--	--	--

13410 Public product.pdf 13410 MDG-MCD RER1514- LQFP7x7 Muar-PCN9484- reliability evaluation report.pdf 13410 PCN13410_Additional information.pdf
---

<b>10. Affected parts</b>		
---------------------------	--	--

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
	STM32F100VBT6BTR	
	STM32F100VDT6B	
	STM32F103VCT6TR	
	STM32F103VET6	
	STM32F103VET6TR	
	STM32F103VGT6	
	STM32F103VGT6TR	
	STM32F105VCT6	
	STM32F303VCT6TR	
	STM32F303VET6TR	
	STM32F100VDT6BTR	

**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.

© 2018 STMicroelectronics – All rights reserved