


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/22/13451	
1.3 Title of PCN	SPC58xCxxE7, SPC58NN84E7, SPC58NG84E7, SPC58EE80E7, SPC58xCxxE1 (FC80, FH84, FH84, FH86): Activation of KESM as Additional Final Test and Burn-In Plant	
1.4 Product Category	see list	
1.5 Issue date	2022-05-20	

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	Luca RODESCHINI
2.1.2 Marketing Manager	Matteo MOIOLI
2.1.3 Quality Manager	Alberto MERVIC

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Testing (SOP 2617)	Subcontractor KESM – Malaysia (Receiving Plant)

4. Description of change

	Old	New
4.1 Description	ST Kirkop - Malta	ST Kirkop - Malta and Sub. KESM - Malaysia
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No Impact	

5. Reason / motivation for change

5.1 Motivation	Capacity increase
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Codes
-----------------	-------------------------------

7. Timing / schedule

7.1 Date of qualification results	2022-09-01
7.2 Intended start of delivery	2022-09-30
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)

13451 Public product.pdf
13451 Details.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
	SPC58EC80E1Q0C0Y	
	SPC58EC80E7QMC0Y	
	SPC58EE80E7QMHAY	
	SPC58EE84E7QMSAR	
	SPC58NE84E7QM HAR	
	SPC58NE84E7QMSAR	
	SPC58NG84E7QEH0Y	
	SPC58NN84E7RMHBR	

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

PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	SPC58xCxxE7, SPC58NN84E7, SPC58NG84E7, SPC58EE80E7, GD7), 17119% (FC80, FH84, FH84, FH86): Activation of KESM as Additional Final Test and Burn-In Plant
IMPACTED PRODUCTS	<p>TQFP176 24x24x1.4 ExPad package:</p> <ul style="list-style-type: none"> ✚ FC80 Cut2.0 – Chorus 4M – assembled in ASE (Subcon) ✚ FG84 – Bernina 6M – assembled in ASE (Subcon) ✚ FH84 – Eiger 6M – assembled in ASE (Subcon) ✚ FH86 – Eiger 6M – assembled in ASE (Subcon) <p>TQFP64 10x10x1.0 ExPad Down package:</p> <ul style="list-style-type: none"> ✚ FC80 Cut1.1 – Chorus 4M – assembled in Amkor (Subcon)
MANUFACT. STEP	Final Test & Burn In & Finishing
INVOLVED PLANT	KESM TEST (M) SDN BHD – Malaysia
CHANGE REASON	Service – Dual source & Capacity Improvement. Expansion of current testing capacity (volumes increase) and flexible/secure production asset – dual sourcing strategy.
CHANGE DESCRIPTION	Activation of KESM as additional BE testing plant
TRACEABILITY	Dedicated Finished Good Code
VALIDATION	According to ZVEI (AEC-Q100/Q006) recommendations, item SEM-TF-01 <i>Move all or parts of electrical wafer test and/or final test to a different site</i>

	<table><tr><th rowspan="4">Line evaluation (can be evaluated by data or audit/on site check)</th><th colspan="3">Device evaluation</th><th colspan="3">Device evaluation</th></tr><tr><th colspan="3">MATERIAL PERFORMANCE</th><th colspan="2">MATERIAL</th><th>additional to AEC-</th></tr><tr><th rowspan="2">AEC-Q100 Revision H</th><th rowspan="3">Check of specification (for raw material only)</th><th>Electrical Distribution</th><th rowspan="2">AEC-Q101 Revision D</th><th>Parametric Verification</th><th rowspan="2">Whisker test (IEC 60068-T2-82, JEDEC JESD201)</th></tr><tr><th>ED</th><th>PV</th></tr><tr><th></th><th></th><th>E5</th><th></th><th>4</th><th></th></tr><tr><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td></tr></table>	Line evaluation (can be evaluated by data or audit/on site check)	Device evaluation			Device evaluation			MATERIAL PERFORMANCE			MATERIAL		additional to AEC-	AEC-Q100 Revision H	Check of specification (for raw material only)	Electrical Distribution	AEC-Q101 Revision D	Parametric Verification	Whisker test (IEC 60068-T2-82, JEDEC JESD201)	ED	PV			E5		4		•	•	•	•	•	•	•
Line evaluation (can be evaluated by data or audit/on site check)	Device evaluation			Device evaluation																															
	MATERIAL PERFORMANCE			MATERIAL		additional to AEC-																													
	AEC-Q100 Revision H		Check of specification (for raw material only)	Electrical Distribution	AEC-Q101 Revision D	Parametric Verification	Whisker test (IEC 60068-T2-82, JEDEC JESD201)																												
		ED		PV																															
		E5			4																														
•	•	•	•	•	•	•																													
CURRENT PRODUCTS	Current products testing will be transferred to KESM. ST testing plants will remain active as alternative solution.																																		
REPORTS	Transfer validation is presently in progress. Testing transfer validation report for each product will be progressively available according to the qualification schedule.																																		
IMPLEMENT.	Change activation is proposed upon ST full qualification, pending Customer approval. <i>No customer sampling is planned.</i> The Start of Production is foreseen for Q3'22 and will be progressive according to the qualification schedule.																																		



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 : SPC58xCxxE7, SPC58NN84E7, SPC58NG84E7, SPC58EE80E7, SPC58xCxxE1 (FC80, FH84, FH84 ,FH86):

Activation of KESM as Additional Final Test and Burn-In Plant

PCN Reference : ADG/22/13451

Subject : Public Products List

Dear Customer,

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

SPC58EC80E7QMC0Y	SPC58EC80E7G0C0X	SPC58EC70E1F0C0X
SPC58EC74E7E0C0X	SPC58NN84E7RMHBR	SPC58NN84E7RMHBY
SPC58EC70E1F000X	SPC584C70E7QMC0X	SPC58NG84E7QEH0X
SPC58EC80E1Q0C0Y	SPC58EC80E1Q0C0X	SPC58NE84E7QM HAR
SPC58EC80E7FMC0X	SPC58NE84E7QMHAY	SPC58NN84E7YMHBR
SPC58EE80E7QMHAY	SPC58NE84E7QMSAR	SPC58EC74E7P000X
SPC58NG84E7QEH0Y	SPC58NE80E7QMHAY	SPC58EE84E7QMSAR
SPC58EC80E7QMC0X		



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.