

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
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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

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	
	SPC58NE84E7QMHAR	
	SPC58NE84E7QMSAR	
	SPC58NG84E7QEH0Y	
	SPC58NN84E7RMHBR	

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PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	SPC58xCxxE7, SPC58NN84E7, SPC58NG84E7, SPC58EE80E7, GD7), I7119% (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>

	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)	ED	Electrical Distribution	AEC-Q101 Revision D	Parametric Verification	Whisker test (IEC 60068-2-82, JEDEC JESD201)
								Parameter-Analysis: Comparison of current with changed device characterization, electrical
		•	-	-	•	•	-	•
				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	SPC58NE84E7QMHAR
SPC58EC80E7FMC0X	SPC58NE84E7QMHAY	SPC58NN84E7YMHBR
SPC58EE80E7QMHAY	SPC58NE84E7QMSAR	SPC58EC74E7P000X
SPC58NG84E7QEH0Y	SPC58NE80E7QMHAY	SPC58EE84E7QMSAR
SPC58EC80E7QMC0X		



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