

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.		ADG/21/13090
1.3 Title of PCN		SPC58xx (FH84,FH86): Activation of ASE as Additional Assembly Plant (QFP-176 package)
1.4 Product Category		see list
1.5 Issue date		2021-10-26

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: Assembly site (SOP 2617)	Subcon ASE Kaohsiung

4. Description of change

	Old	New
4.1 Description	Assembly Location ST Malta	Assembly Location ST Malta and Subcon ASE Kaohsiung
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact	

5. Reason / motivation for change

5.1 Motivation	Dual Sourcing Strategy and Service and Capacity Improvement	
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	2022-06-30
7.2 Intended start of delivery	2022-07-31
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

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

9. Attachments (additional documentations)

13090 Public product.pdf 13090 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
	SPC58EE80E7QMHAY	
	SPC58EE84E7QMSAR	
	SPC58NE84E7QMHAR	
	SPC58NE84E7QMSAR	
	SPC58NG84E7QEH0Y	

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PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	SPC58xx (FH84,FH86): Activation of ASE as Additional Assembly Plant (QFP-176 package)															
IMPACTED PRODUCTS	See list															
MANUFACT. STEP	Assembly															
INVOLVED PLANT	Subcontractor ASE Kaohsiung															
CHANGE REASON	Dual Sourcing Strategy and Service and Capacity Improvement															
CHANGE DESCRIPTION	<p>Activation of Subcontractor ASE as additional assembly location beside current ST Malta.</p> <p>Here below Bill of Material comparison:</p> <table border="1" data-bbox="579 1298 1256 1562"> <thead> <tr> <th></th> <th>MALTA</th> <th>ASE</th> </tr> </thead> <tbody> <tr> <td>LeadFrame</td> <td>LQFP176L 24SQ 8.7sq Pre-plated TnPD3</td> <td>LQFP176 24sq 8.7sq Pre-plated R-PPF</td> </tr> <tr> <td>Glue</td> <td>QMI9507-2C2</td> <td>EN-4900F</td> </tr> <tr> <td>Resin</td> <td>EME-G700SLS</td> <td>EME-G631SH</td> </tr> <tr> <td>Wire</td> <td>Cu 0.8 mils</td> <td>CuPd Au 0.8 mils</td> </tr> </tbody> </table>		MALTA	ASE	LeadFrame	LQFP176L 24SQ 8.7sq Pre-plated TnPD3	LQFP176 24sq 8.7sq Pre-plated R-PPF	Glue	QMI9507-2C2	EN-4900F	Resin	EME-G700SLS	EME-G631SH	Wire	Cu 0.8 mils	CuPd Au 0.8 mils
	MALTA	ASE														
LeadFrame	LQFP176L 24SQ 8.7sq Pre-plated TnPD3	LQFP176 24sq 8.7sq Pre-plated R-PPF														
Glue	QMI9507-2C2	EN-4900F														
Resin	EME-G700SLS	EME-G631SH														
Wire	Cu 0.8 mils	CuPd Au 0.8 mils														
TRACEABILITY	Dedicated Finished Good codes															
VALIDATION	<p>According to ZVEI (AEC-Q100/Q006) recommendations, items</p> <p>SEM-PA-04 - Change of lead frame finishing material / area (Internal)</p> <p>SEM-PA-07 - Die attach material</p> <p>SEM-PA-08 - Change wire Bonding</p>															

	SEM-PA-11 - Change of mold compound / encapsulation material SEM-PA-19 – Move all or part of production to a different assembly site
REPORTS	Transfer validation is presently in progress AEC-Q100 Reliability Report will be provided with complete set of qualification (including AEC-Q006 results) within June 2022
IMPLEMENTATION	Change activation is proposed upon ST full qualification, pending Customer approval



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 : SPC58xx (FH84,FH86): Activation of ASE as Additional Assembly Plant (QFP-176 package)

PCN Reference : ADG/21/13090

Subject : Public Products List

Dear Customer,

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

SPC58NG84E7QEH0Y	SPC58NE84E7QMHAR	SPC58NE84E7QMHAY
SPC58NG84E7QEH0X	SPC58NE80E7QMHAY	SPC58EE84E7QMSAR
SPC58NE84E7QMSAR	SPC58EE80E7QMHAY	



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