


# PRODUCT / PROCESS CHANGE INFORMATION

## 1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	ADG/21/13121	
1.3 Title of PCI	SP5xxx MICROCONTROLLERS IN QFP 20X20 AND 24x24 ePAD PACKAGES – NEW RULE FOR BULK LOT COMBINE	
1.4 Product Category	see list	
1.5 Issue date	2021-11-15	

## 2. PCI 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
General (Logistic)	Standard outer labelling	ST Kirkop - Malta

## 4. Description of change

	Old	New
4.1 Description	Two (2) trace codes maximum combined in the same bulk shipment	Three (3) trace codes maximum combined in the same bulk shipment
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact	

## 5. Reason / motivation for change

5.1 Motivation	Service improvement. Higher number of combined lots improves overall shipments rate
5.2 Customer Benefit	SERVICE IMPROVEMENT

## 6. Marking of parts / traceability of change

6.1 Description	Dated code and visible on labels
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## 7. Timing / schedule

7.1 Date of qualification results	2021-11-12
7.2 Intended start of delivery	2021-12-12
7.3 Qualification sample available?	Not Applicable

## 8. Qualification / Validation

8.1 Description	13121 Details.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2021-11-15

## 9. Attachments (additional documentations)

13121 Public product.pdf  
13121 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
	SPC560B40L5C6E0X	
	SPC560B50L5C6E0X	
	SPC560B50L5C6E0Y	
	SPC560B54L5B6E0Y	
	SPC560B60L5B6E0Y	
	SPC560B64L5C6E0X	
	SPC560B64L7C6E0X	
	SPC560P50L5CEFAR	
	SPC563M64L5COAR	
	SPC563M64L5COAY	
	SPC563M64L7COAR	
	SPC563M64L7COAY	
	SPC564A80L7CFAR	
	SPC564B64L7C9E0X	
	SPC56EC64L7B9E0Y	
	SPC584B70E5EHC0X	
	SPC584B70E7NG00X	
	SPC58EC80E5QMC0Y	
	SPC58EC80E7QMC0Y	
	SPC58EE80E7QMHAY	
	SPC58EE84E7QMSAR	
	SPC58EG80E5FEC0X	
	SPC58NE84E7QM HAR	
	SPC58NE84E7QMSAR	
	SPC58NG84E7QEH0Y	
	SPC58NH92E7RMI0X	
	SPC58NN84E7RMHBR	

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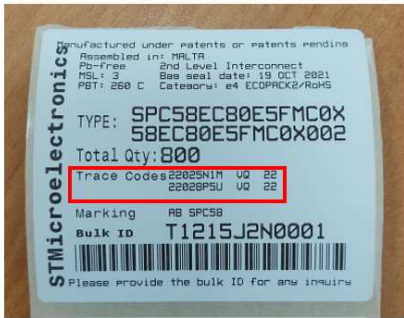
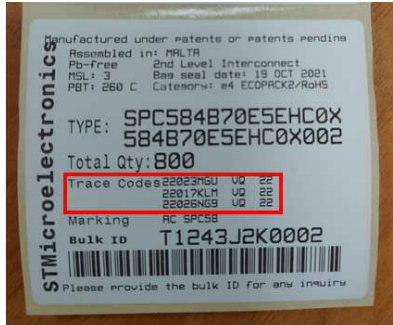
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## PRODUCT/PROCESS CHANGE INFORMATION

<b>TITLE</b>	<b>SP5xxx MICROCONTROLLERS IN QFP 20X20 AND 24X24 ePAD PACKAGES – NEW RULE FOR LOT COMBINE</b>
<b>IMPACTED PRODUCTS</b>	SP5xxx microcontrollers assembled in QFP 20x20 and 24x24 Exposed Pad packages
<b>MANUFACTURING STEP</b>	Finishing and Packing, following Electrical Final Test
<b>INVOLVED PLANT</b>	ST Kirkop - Malta Plant
<b>CHANGE REASON</b>	Service improvement. Higher number of combined lots improves overall shipments rate.
<b>CHANGE DESCRIPTION</b>	<p>Current ST rule foresees two trace codes maximum combined in the same bulk shipment. New rule allows a maximum of three trace codes combined in the same bulk (i.e. a single bulk can contain 1 or 2 or 3 lots, instead of 1 or 2).</p> <p>Labels appears as follows:</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Current Label</p> </div> <div style="text-align: center;">  <p>New Label</p> </div> </div>
<b>TRACEABILITY</b>	<p>With current rule bulk's label can report:</p> <ul style="list-style-type: none"> <li>1 trace code (the bulk contains parts from the declared trace code only);</li> <li>2 trace codes (the bulk contains parts from the 2 declared trace codes).</li> </ul>

	<p>With the new rule bulk's label can report:</p> <ul style="list-style-type: none"><li>• 1 trace code (the bulk contains parts from the declared trace code only);</li><li>• 2 trace codes (the bulk contains parts from the 2 declared trace codes);</li><li>• 3 trace codes (the bulk can contain parts from 1 or 2 or 3 declared trace codes).</li></ul> <p>Full overall traceability is internally guaranteed. In case a recall of parts would be needed, the recall will be based on BULK ID rather than TRACE CODE.</p>
<b>VALIDATION</b>	Validation has been performed to verify label vs. trace code coherence according to the new rule
<b>CURRENT PRODUCTS</b>	New rule applies starting November the 15th, 2021



## 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

**PCI Title :** SP5xxx MICROCONTROLLERS IN QFP 20X20 AND 24x24 ePAD PACKAGES – NEW RULE FOR BULK LOT COMBINE

**PCI Reference :** ADG/21/13121

**Subject :** Public Products List

Dear Customer,

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

SPC560B54L5C6E0X	SPC584B70E5EHC0X	SPC58EC80E7QMC0Y
SPC56AP60L5CEFAR	SPC564L54L5CBFSR	SPC584C70E7QMC0X
SPC564A80L7COBR	SPC560B50L5C6E0X	SPC58EC74E7P000X
SPC564A70L7CFAY	SPC560B40L5C6E0X	SPC560P54L5BEAAR
SPC58NN84E7RMHBR	SPC56EL54L5CBFSY	SPC584B60E5CD00X
SPC560B64L5C6E0X	SPC564L70L5BBOSR	SPC564A70L7CFAR
SPC58EC80E7G0C0X	SPC58NH92E7HMI0X	SPC560P50L5CEFAR
SPC560B64L7C6E0X	SPC564A80L7CFBR	SPC584B64E7EDC0Y
SPC56EL60L5CBFSY	SPC58EE84E7QMSAR	SPC574K72E7C6FAY
SPC564B64L7C800Y	SPC56EL70L5CBFSY	SPC56EL60L5CCOSR
SPC58EC80E5FMC0X	SPC58NH92E7RMI0X	SPC56EC70L7C9E0X
SPC564A80L7CFAY	SPC560B50L5C6E0Y	SPC584B64E7EDC0X
SPC58NN84E7YMHBR	SPC584B70E5EHC0Y	SPC574K70E5C6FAR
SPC58NG84E7QEH0Y	SPC574K72E7C6FAR	SPC584B70E5NHC0X
SPC574K72E5C6FAR	SPC564A80L7CFAR	SPC564A80L7CFBY
SPC563M64L5COAY	SPC584B70E7EHC0X	SPC56AP60L5CEFAY
SPC58EE80E7QMHAY	SPC56EL60L5CBOSR	SPC58NE84E7QMHAR
SPC56EL70L5CBOSR	SPC584B60E5EDC0X	SPC58EC74E7E0C0X
SPC564A70L7COBR	SPC584B70E7NMC0X	SPC560B60L5C6E0X
SPC564A80L7COBY	SPC58EG80E5P0H0Y	SPC58NG84E7QEH0X
SPC564A70L7CFBR	SPC560B60L7B6E0X	SPC58EG84E5GEC0X
SPC560B64L7B6E0X	SPC563M60L5COBR	SPC560P54L5CEAAR
SPC56EL60L5CBFQR	SPC58EG80E5QEH0Y	SPC564L60L5CCFQY
SPC563M64L7COBY	SPC564L60L5BCOQR	SPC563M64L7COAR
SPC560P60L5CEAAR	SPC58EC80E5EMC0X	SPC58NN84E7RMHBY
SPC560B60L5B6E0Y	SPC584B70E5NMC0X	SPC564A70L7CFBY
SPC563M64L5COAR	SPC584B70E7NG00X	SPC563M60L5COAR
SPC564L70L5BBOSY	SPC58EC80E5QMC0X	SPC560B54L5B6E0Y
SPC564A70L7COBY	SPC584B70E5CD00X	SPC56EL54L5CBFSR
SPC584B70E7NH00X	SPC564L54L5CBFSY	SPC58EC80E5QMC0Y
SPC560P50L5BEFAR	SPC58EG80E5FEC0X	SPC560P60L5CEFAR
SPC560B60L5B6E0X	SPC58NG80E5QEC0X	SPC56EL60L5CCOSY
SPC56EL70L5CBOSY	SPC56EL60L5CBOSY	SPC56EL60L5CBFQY
SPC574K72E5C6FAY	SPC56EC64L7B9E0Y	SPC584B70E5EMC0X
SPC58EC80E7FMC0X	SPC564B74L7B8E0X	SPC56EC74L7C9ECY



## Public Products List

SPC58EG80E5QEC0X	SPC58NE84E7QMHAY	SPC564B74L7B9ECX
SPC56EL70L5CBFSR	SPC56EC64L7B9E0X	SPC564B74L7C8E0X
SPC564B70L7B9E0X	SPC58NE84E7QMSAR	SPC58EC80E7QMC0X
SPC564L60L5CCFQR	SPC563M64L7COAY	SPC563M64L7COBR
SPC564B64L7C9E0X	SPC58EG80E5PEC0X	SPC58NE80E7QMHAY



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