

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		ADG/21/13036
1.3 Title of PCI		SPC58EEx, SPC58NEEx (FH84, FH86): Errata Sheet Update
1.4 Product Category		see list
1.5 Issue date		2021-09-27

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
2.2.2 Marketing Manager	Matteo MOIOLI
2.2.3 Quality Manager	Alberto MERVIC

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet : Errata/error fix	NA

4. Description of change

	Old	New
4.1 Description	Errata Sheet Rev 3	Errata Sheet Rev 4
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact	

5. Reason / motivation for change

5.1 Motivation	Documentation update
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	Errata sheet available on www.st.com
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7. Timing / schedule

7.1 Date of qualification results	2021-09-21
7.2 Intended start of delivery	2021-10-21
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	13036 Errata_ES0397_4.pdf	
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date

9. Attachments (additional documentations)

13036 Public product.pdf 13036 Errata_ES0397_4.pdf 13036 Details.pdf
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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	
	SPC58NE84C3QMHAR	
	SPC58NE84E7QMHAR	
	SPC58NE84E7QMSAR	

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Dear Customer,
purpose of this letter is to inform you of new document released on www.st.com relating to devices shown below:

Errata Sheet

SPC58EEx, SPC58NEx

32-bit Power Architecture® microcontroller for automotive ASIL-D applications

Table 1. Device summary

Package	Part number			
	4 MB		6 MB	
	Dual core	Triple core	Dual core	Triple core
eLQFP176	SPC58EE80E7	SPC58NE80E7	SPC58EE84E7	SPC58NE84E7
FPBGA292	SPC58EE80C3	SPC58NE80C3	SPC58EE84C3	SPC58NE84C3
KGD	—	—	—	SPC58NE84H0

Below document released.

- Errata Sheet ES0397 Rev. 4



SPC58xEx Errata sheet

SPC58xEx device errata JTAG_ID = 0x1111_0041

Introduction

This errata sheet describes functional and electrical problems of the SPC58xEx devices.

The reference documentation is reported in [Chapter 1: Reference documents](#).

Device identification for cut 2.1:

- JTAG_ID = 0x1111_0041
- MIDR1 register:
 - MAJOR_MASK[3:0]: 4'b0001
 - MINOR_MASK[3:0]: 4'b0001
- BAF v02.04

Errata and BAF related errata are contained in Microsoft Excel® workbook files attached to this document.

Locate the paper-clip symbol on the left side of the PDF window, and click it. Double-click on the Excel file to open it.

1 Reference documents

Table 1. Reference documents

Doc name	ID	Title	Revision
RM0391	027214	SPC58 E/G Line - 32 bit Power Architecture automotive MCU Triple z4 cores 180 MHz, 6 MBytes Flash, HSM, ASIL-D	5
DS11646	029333	32-bit Power Architecture microcontroller for automotive ASIL-D applications	4

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2 Revision history

Table 2. Document revision history

Date	Revision	Changes
29-Jun-2017	1	Initial release.
23-Nov-2018	2	New errata: – PS1525 – PS2067 – DAN-0032646 – DAN-0034593 – DAN-0040438 – DAN-0040776 – DAN-0040893 – DAN-0041121 – DAN-0041154 – DAN-0041182 – DAN-0042259 – DAN-0042818 – DAN-0042820 – DAN-0042825 – DAN-0043030 – DAN-0043946 – DAN-0043994 – DAN-0044114 – DAN-0044414 – DAN-0044555 – DAN-0045137 – DAN-0046121 – DAN-0046771 – DAN-0046892 – DAN-0046893 – DAN-0046894 – DAN-0046895 – DAN-0046897 – DAN-0046898 – DAN-0046899 – DAN-0046900 – DAN-0046901 – DAN-0046902 – DAN-0046903 – DAN-0046904 – DAN-0046905 – DAN-0046906

Table 2. Document revision history (continued)

Date	Revision	Changes
23-Nov-2018	2 (continued)	<ul style="list-style-type: none">– DAN-0046907– DAN-0046908– DAN-0046909– DAN-0046910– DAN-0046911– DAN-0046912– DAN-0047003– DAN-0047795– DAN-0047977– DAN-0047979– DAN-0047983– DAN-0047984– DAN-0047985– DAN-0048200– DAN-0048201– DAN-0048202– DAN-0048207– DAN-0048230– DAN-0048265– DAN-0048266– DAN-0048287– DAN-0048435– DAN-0048436– ERR008047– ERR008310– ERR008730 <p>Fixed errata:</p> <ul style="list-style-type: none">– PS1957– PS2476– ERR005749– ERR007412– ERR007791– ERR007905– ERR008117

Table 2. Document revision history (continued)

Date	Revision	Changes
19-Mar-2019	3	<p>New errata:</p> <ul style="list-style-type: none"> – DAN-0048435 – DAN-0048436 – DAN-0048733 – DAN-0049041 – DAN-0049045 – DAN-0049046 – DAN-0049050 – DAN-0049052 – DAN-0049054 – ERR007873 <p>Reworded errata:</p> <ul style="list-style-type: none"> – ERR007178 – ERR010385
28-Jul-2021	4	<p>New:</p> <p>DAN-0042186 DAN-0049052 DAN-0049528 DAN-0049972 DAN-0049975 DAN-0050172 DAN-0050174 DAN-0050271 DAN-0050583 DAN-0050633 DAN-0050926 DAN-0051367 DAN-0051663 DAN-0052753 DAN-0052755 DAN-0053230 DAN-0053830 DAN-0053968 DAN-0054082 DAN-0054221 DAN-0054222 DAN-0055017 DAN-0055126 DAN-0055128 ERR009658 ERR010436 ERR010542</p> <p>Reworded:</p> <p>DAN-0043007</p> <p>Removed:</p> <p>DAN-0041154 DAN-0043030 DAN-0046121 DAN-0047795 DAN-0048435 DAN-0048436</p>

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Public Products List

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PCI Title : SPC58EE_x, SPC58NEx (FH84, FH86): Errata Sheet Update

PCI Reference : ADG/21/13036

Subject : Public Products List

Dear Customer,

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

SPC58NE84E7QMHAR	SPC58NE84C3QMHAR	SPC58EE80E7QMHAY
SPC58NE84C3QMHAY	SPC58NE84E7QMHAY	SPC58NE80E7QMHAY
SPC58EE84E7QMSAR	SPC58NE84E7QMSAR	



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