

**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

|                      |                                                                                   |                                      |
|----------------------|-----------------------------------------------------------------------------------|--------------------------------------|
| 1.1 Company          |  | STMicroelectronics International N.V |
| 1.2 PCI No.          | ADG/21/12970                                                                      |                                      |
| 1.3 Title of PCI     | SPC570Sx (FE50): Errata Sheet Update                                              |                                      |
| 1.4 Product Category | see list                                                                          |                                      |
| 1.5 Issue date       | 2021-09-01                                                                        |                                      |

**2. PCI Team**

|                                  |                          |
|----------------------------------|--------------------------|
| <b>2.1 Contact supplier</b>      |                          |
| 2.1.1 Name                       | ROBERTSON HEATHER        |
| 2.1.2 Phone                      | +1 8475853058            |
| 2.1.3 Email                      | heather.robertson@st.com |
| <b>2.2 Change responsibility</b> |                          |
| 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 Product & Design | Modification of datasheet : Errata/error fix | NA                         |

**4. Description of change**

|                                                                                       |                     |                     |
|---------------------------------------------------------------------------------------|---------------------|---------------------|
|                                                                                       | Old                 | New                 |
| 4.1 Description                                                                       | Errata Sheet rev. 7 | Errata Sheet rev. 8 |
| 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 <a href="http://www.st.com">www.st.com</a> |
|-----------------|----------------------------------------------------------------------|

**7. Timing / schedule**

|                                     |                |
|-------------------------------------|----------------|
| 7.1 Date of qualification results   | 2021-08-09     |
| 7.2 Intended start of delivery      | 2021-08-09     |
| 7.3 Qualification sample available? | Not Applicable |

**8. Qualification / Validation**

|                                                    |                            |            |            |
|----------------------------------------------------|----------------------------|------------|------------|
| 8.1 Description                                    | 12970 ES_Rev8.pdf          |            |            |
| 8.2 Qualification report and qualification results | Available (see attachment) | Issue Date | 2021-09-01 |

**9. Attachments (additional documentations)**

12970 Public product.pdf  
12970 ES\_Rev8.pdf  
12970 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  |
|                         | SPC570S40E1CEFAY        |                          |
|                         | SPC570S50E1CEFAR        |                          |
|                         | SPC570S50E1DEFAR        |                          |

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

## ERRATA SHEET

### SPC570Sx

32-bit Power Architecture® microcontroller for automotive ASILD applications

Table 1. Device summary

| Part number | Package  |
|-------------|----------|
| SPC570S50E1 | eTQFP64  |
| SPC570S50E3 | eTQFP100 |
| SPC570S40E1 | eTQFP64  |
| SPC570S40E3 | eTQFP100 |

Table 2 shows the document released.

Table 2. Document released

| Document name | Title                                              | Version |
|---------------|----------------------------------------------------|---------|
| ES0278        | SPC570Sx device family errata JTAG_ID = 0x110A2041 | 8       |

The changes are recorded in the revision history table located at the end of each document shown in Table 2.

## Introduction

This errata sheet describes functional and electrical problems of the SPC570Sx devices.

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

Device identification for cut 2.1:

- JTAG\_ID = 0x110A\_2041
- MIDR1 register:
  - MAJOR\_MASK[3:0]: 4'b0001
  - MINOR\_MASK[3:0]: 4'b0001

The list of errata is contained in a Microsoft® Excel workbook file 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 | Title                                                                                 | Revision |
|----------|---------------------------------------------------------------------------------------|----------|
| RM0349   | SPC570Sx 32-bit Power Architecture® microcontroller for automotive ASILD applications | 6        |
| DS9607   | 32-bit Power Architecture® microcontroller for automotive ASILD applications          | 7        |

## Revision history

**Table 2. Document revision history**

| Date        | Revision | Changes                                                                                                                                                                                                                                                      |
|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06-Aug-2014 | 1        | Initial release                                                                                                                                                                                                                                              |
| 16-Dec-2014 | 2        | Added following functional errata: <ul style="list-style-type: none"><li>– ERR008526</li><li>– ERR008561</li><li>– ERR008573</li><li>– ERR008602</li><li>– ERR008627</li><li>– ERR008731</li></ul>                                                           |
| 30-Mar-2015 | 3        | Added following functional errata: <ul style="list-style-type: none"><li>– PS1244</li><li>– PS1254</li></ul><br>Removed the following functional errata: <ul style="list-style-type: none"><li>– ERR006850</li><li>– ERR007126</li><li>– ERR006904</li></ul> |
| 29-May-2015 | 4        | Added following functional errata: <ul style="list-style-type: none"><li>– PS1040</li><li>– PS1045</li><li>– PS1071</li><li>– PS1439</li><li>– PS1440</li><li>– PS1566</li><li>– PS1681</li><li>– ERR008915</li></ul>                                        |
| 24-Sep-2015 | 5        | Removed the following functional errata: <ul style="list-style-type: none"><li>– PS1071</li><li>– PS1244</li><li>– PS1254</li></ul>                                                                                                                          |
| 10-May-2017 | 6        | Added errata: <ul style="list-style-type: none"><li>– DAN-0043391</li></ul>                                                                                                                                                                                  |
| 10-May-2017 | 7        | Typo error                                                                                                                                                                                                                                                   |
| 11-Feb-2021 | 8        | Added errata: <ul style="list-style-type: none"><li>– PS2859</li><li>– DAN-0044555</li><li>– DAN-0045775</li><li>– DAN-0054519</li><li>– DAN-0054520</li></ul>                                                                                               |

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## Public Products List

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**PCI Title :** SPC570Sx (FE50): Errata Sheet Update

**PCI Reference :** ADG/21/12970

**Subject :** Public Products List

Dear Customer,

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

|                  |                  |                  |
|------------------|------------------|------------------|
| SPC570S50E3CEFAR | SPC570S50E1CEFAY | SPC570S50E1DEFAR |
| SPC570S40E3CEFAY | SPC570S50E1DEFAY | SPC570S50E1CEFAR |
| SPC570S40E1CEFAR | SPC570S40E3CEFAR | SPC570S40E1CEFAY |
| SPC570S50E3CEFAY |                  |                  |



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