

Introduction

This errata sheet describes functional and electrical problems of the SPC582Bx devices.

The reference documentation is reported in [Chapter 2: Reference document](#)

Device identification for cut 2.1:

- JTAG_ID = 0x1114_0041
- MIDR1 register:
 - MAJOR_MASK[3:0]: 4'b0001
 - MINOR_MASK[3:0]: 4'b0001
- BAF versions: 02.02 and 02.03

This document supports different BAF versions (see [Chapter 1: BAF Image version](#) to know how to detect the BAF version).

The list of errata and BAF errata are contained in a Microsoft® Excel workbook files attached to this document.

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

1 BAF Image version

The BAF version is a 32-bit field in the image header starting at address 0x0040_4000. The 32 bit-bit field is explained in the following table.

Table 1. BAF Image version registers

| Field | Description |
|-------|--|
| 0:7 | Major Number: This field contains the major version number for the BAF image |
| 8:15 | Minor Number: This field contains the minor version number for the BAF image |
| 16:31 | Reserved |

2 Reference document

Table 2. Reference documents

| Doc name | ID | Title | Revision |
|----------|--------|---|----------|
| RM0403 | 027949 | RM- SPC582Bx 32-bit Power Architecture® micro-controller for automotive body and gateway applications | Rev. 4 |
| DS11597 | 029210 | DS -SPC582B60x, SPC582B54x, SPC582B50x - 32-bit Power Architecture® micro-controller for automotive ASIL-B applications | Rev. 3 |

Revision history

Table 3. Document revision history

| Date | Revision | Changes |
|-------------|----------|---|
| 14-Nov-2017 | 1 | Initial release. |
| 19-Apr-2018 | 2 | Reworded Errata – PS2120 Added Errata – DAN-0041121 – DAN-0041154 – DAN-0041182 – DAN-0044114 – DAN-0045130 – DAN-0046117 – DAN-0046403 – DAN-0046404 – DAN-0046405 – DAN-0046406 – DAN-0046407 Removed Errata – DAN-0043536 – DAN-0044143 Added BAF Errata v2.2 |

Table 3. Document revision history (continued)

| Date | Revision | Changes |
|-------------|----------|--|
| 22-Feb-2019 | 3 | New Errata – DAN-0041329 – DAN-0047244 – DAN-0047413 – DAN-0047977 – DAN-0047979 – DAN-0048579 – DAN-0048589 – DAN-0048638 – DAN-0049028 Reworded errata – PS1739 – PS2407 – PS2949 – DAN-0041182 – ERR007869 Renamed errata – DAN-0042574 (was PS2476) – DAN-0042597 (was ERR007512) Added BAF Errata v2.3 |
| 24-Jul-2019 | 4 | New Errata DAN-0049526 Fixed in referenced documentation DAN-0041154 DAN-0046403 DAN-0046404 DAN-0046405 DAN-0046406 DAN-0046407 DAN-0046117 DAN-0047244 DAN-0048579 DAN-0048589 DAN-0048638 DAN-0049028 |

Table 3. Document revision history (continued)

| Date | Revision | Changes |
|--------------|----------|---|
| 25-Sept-2019 | 5 | New Errata DAN-0050634 DAN-0050636 |
| 07-Apr-2020 | 6 | New Errata DAN-0046403 DAN-0050583 DAN-0051391 DAN-0051956 DAN-0052114 DAN-0052148 DAN-0052251 |

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