



Customer Information Notification

201912015I

Issue Date: 05-Feb-2020

Effective Date: 06-Feb-2020

Dear *PCN NXP*,

Please find below a Quality Notification that has been distributed by NXP.



Change Category

- | | | | | |
|--|---|--|---|--|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Test Process | <input type="checkbox"/> Errata |
| <input type="checkbox"/> Wafer Fab Location | <input type="checkbox"/> Assembly Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input checked="" type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input type="checkbox"/> Other | | | |

FS8400/FS8500, VR5500,
FS5502 Power
Management IC Data Sheet
Updates

Description

NXP Semiconductors announces data sheet updates for the FS8400/FS8500, VR5500 and FS5502 Power Management IC devices associated with this notification. The new data sheets provide updates related to new features, typo corrections, and clarifications. The revision history included in each updated document provides a detailed description of the changes. Changes are summarized below.

FS8400 / FS8500 Data Sheet Changes:

1. Automatic Pulse Skipping (APS) mode on Vpre can be enabled by OTP configuration
2. Buck1/2/3 soft-start ramp rate and time slot configurability by OTP
3. FS85 Mask revision in main register mapping: FMREV and MMREV are readable by SPI/I2C
4. Other typo and clarifications listed in Section 38: Revision history

The new FS84_FS85C v.5.0 data sheet can be found at:

https://www.nxp.com/webapp/sps/download/mod_download.jsp?colCode=FS84-FS85&appType=moderatedWithoutFAE

VR5500 Data Sheet Changes:

1. Automatic Pulse Skipping (APS) mode on Vpre can be enabled by OTP configuration
2. Buck1/3 soft-start ramp rate and time slot configurability by OTP
3. VR5500 Mask revision in main register mapping: FMREV and MMREV are readable by I2C
4. Other typo and clarifications listed in Section 36: Revision history

The new VR5500 v.6.0 data sheet is attached to this notice, and can be found at:

<https://www.nxp.com/docs/en/data-sheet/VR5500.pdf>

FS5502 Data Sheet Changes:

1. Automatic Pulse Skipping (APS) mode on Vpre can be enabled by OTP configuration
2. Buck1/3 soft-start ramp rate and time slot configurability by OTP
3. FS5502 Mask revision in main register mapping: FMREV and MMREV are readable by I2C
4. Other typo and clarifications listed in Section 33: Revision history

The new FS5502 v.3.0 data sheet is attached to this notice, and can be found at:

<https://www.nxp.com/docs/en/data-sheet/FS5502.pdf>

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02 and SEM-DS-03

Reason

The data sheet has been updated to correct errors, and provide additional technical clarification on some new device features in order to enable the full market launch.

Identification of Affected Products

Product identification does not change

Anticipated Impact on Form, Fit, Function, Reliability or Quality

There is no change to product form, fit, reliability or quality. Function is enhanced with new device features as described.

Data Sheet Revision

A new datasheet will be issued

Additional information

Affected products and sales history information: see attached file

Additional documents: [view online](#)



Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please [contact NXP "Global Quality Support Team"](#).

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

Name Olivier Culie
Position Applications Engineer
e-mail address olivier.culie@nxp.com

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Customer Focus, Passion to Win.

NXP Quality Management Team.

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Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

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NXP Semiconductors
High Tech Campus, 5656 AG Eindhoven, The Netherlands

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