



Customer Information Notification

202111016I : PCA9420 Data Sheet Updates Rev 3.0 and 3.1 (Technical Clarifications / Corrections)

Note: This notice is NXP Company Proprietary.

Issue Date: Jan 19, 2022 **Effective date:** Jan 20, 2022

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Change Category

- | | | | | |
|--|---|--|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input type="checkbox"/> Product Marking | <input type="checkbox"/> Test Process | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Test Equipment | <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 Location | <input type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input checked="" type="checkbox"/> Other: Data Sheet Update for Technical Clarifications / Corrections | | | |

PCN Overview

Description

NXP Semiconductors announces the data sheet updates to revision 3.0 and 3.1 for the PCA9420 Power Management IC products associated with this notification.

The revision history included in the updated document provides a detailed description of the changes. A limited example of changes are summarized below.

PCA9420 Data Sheet Rev 3.0 and 3.1 example of changes:

1. Corrected orderable part number from "PCA9420BSZ" to "PCA9420BSAZ" (correction performed in data sheet revision 3.1)
2. Updated pin descriptions and diagrams for MODESEL0/1, TS, LX1, SW1_OUT, SW2_OUT, SCL, SDA and INTB.
3. Updated functional description section adding additional information particularly for the LDOs, battery charger and including power control state diagram.
4. Updated a few register descriptions and included additional functionality related with the battery charger.
5. Corrected typos and formatting throughout datasheet.

New PCA9420 data sheet revision 3.1 is attached to this notice and can be obtained at [nxp.com](https://www.nxp.com/docs/en/data-sheet/PCA9420DS.pdf) at <https://www.nxp.com/docs/en/data-sheet/PCA9420DS.pdf>

Reason

The data sheet has been updated to correct errors and / or provide additional technical clarification on some device features.

Identification of Affected Products

Product identification does not change

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

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

A new datasheet will be issued

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.

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NXP Quality Management Team.

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Changed Orderable Part# 12NC

PCA9420BSAZ 935347337147

PCA9420UKZ 935347338012