



Customer Information Notification

202104033I : PCF8551 Datasheet 9 Clock Pulses after Power-On Requirement

Note: This notice is NXP Company Proprietary.



Issue Date: Apr 23, 2021 **Effective date:** Apr 30, 2021

Dear Emma Tempest,

Here is your personalized notification about a NXP general announcement.

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Management summary

Updated sections 7.3 "Starting and Resetting the PCF8551", 7.3.2 "Power-On Reset (POR)" and 15.1 "Power-on Reset" of the Datasheet, to ensure the users send nine clock pulses immediately after power-on (see also UM10204) for the proper device operation; if the POR does not work properly.

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 checked="" 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 type="checkbox"/> Other | | | | |

PCN Overview

Description

7.3 Starting and Resetting the PCF8551
Added "See also application information" comment.

7.3.2 Power-On Reset (POR)
Added "The bus interface is initialized" comment.

15.1 Power-on Reset
The built-in POR block acts on the rising edge of the VDD supply voltage. Depending on the VDD rising edge in the application, the POR may not work properly. Therefore to ensure proper device operation it is required to send nine clock pulses immediately after power-on (see also UM10204).

Reason

The intent of these updates is to ensure that the customers send nine clock pulses immediately after power-on (see also UM10204) for the proper device operation; if the POR does not work properly.

Identification of Affected Products

Product identification does not change

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

Customer must send nine clock pulses immediately after power-on (see also UM10204) for the proper device operation; if the POR does not work properly.

Data Sheet Revision

A new datasheet will be issued

Disposition of Old Products

Existing inventory will be shipped until depleted

The Datasheet changes won't affect the PCF8551 product inventory.

Additional information

Additional documents: [view online](#)

Remarks

The PCF8551 device functionality won't be affected by these changes.

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	Emilio Polo
Position	Customer Quality Engineer
e-mail address	emilio.polo@nxp.com

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

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