



Product/Process Change Notice - PCN 19_0048 Rev. -

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

This notice is to inform you of a change that will be made to certain ADI products (see Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

PCN Title: ADP1055 Die and Data Sheet Revision

Publication Date: 21-Aug-2019

Effectivity Date: 23-Nov-2019 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release.

Description Of Change:

Die Change:

1. Disable the Delayed Locked Loop's (DLLs) outputs to the pulse-width modulation (PWMs) on power-up, prior to download of EEPROM settings. Once EEPROM settings are downloaded, the DLLs' outputs are again enabled and function as normal.
2. Changed Die Revision ID register (0xAE - IC_DEVICE_REV) from default values of {0x01 0x11} to {0x01 0x12}.

Data Sheet Changes:

1. Change minimum on pulse of SYNC pin from 40ns to 160ns. (See page 8 on Data Sheet Revision B). Data Sheet change only – no silicon change.
2. Change data of Figure2 from {0xD3, 0x01, 0x00} to {0xD3, 0x00, 0x01}. (See figure on lower left column of page 55 on Data Sheet Revision B). Data Sheet change only - no silicon change.
3. Change Register IC_DEVICE_REV Description content from "0x01 0x11" to "0x01 0x12". (See Table 97 of page 81 on Data Sheet Revision B).

Reason For Change:

Die changes:

1. To improve PWMs robustness during power-up due to fab process variations affecting Delayed Locked Loop's (DLL) performance on startup conditions.
2. Change revision ID to uniquely identify this silicon revision.

Data Sheet Changes:

1. Data Sheet errata change to correct minimum on pulse requirement of SYNC pin.
2. Data Sheet errata change to correct the order of the data bytes.
3. Change Register IC_DEVICE_REV default values to uniquely identify this silicon revision.

Impact of the change (positive or negative) on fit, form, function & reliability:

No change to fit, form, function, or reliability.

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary. Data sheet changes will be reflected in Product Data Sheet Revision B.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_19_0048_Rev_-_Qualification Results Summary ADP1055.pdf

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

Americas:
PCN_Americas@analog.com

Europe:
PCN_Europe@analog.com

Japan:
PCN_Japan@analog.com

Rest of Asia:
PCN_ROA@analog.com

Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (2)

ADP1055 / ADP1055ACPZ-R7

ADP1055 / ADP1055ACPZ-RL

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	21-Aug-2019	23-Nov-2019	Initial Release.

Analog Devices, Inc.

DocId:4659 Parent DocId:None Layout Rev:7