



Product/Process Change Notice - PCN 21_0249 Rev. -

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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: LTC4417 Datasheet Limit Change
Publication Date: 01-Dec-2021
Effectivity Date: 05-Mar-2022 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:
Initial Release

Description Of Change:

Please be advised that Analog Devices has made a minor changes to the LTC4417 product datasheet to facilitate improvement in manufacturing capability. The changes are shown on the attached pages of the marked-up datasheet.

Electrical Characteristics table changes (page 3 of datasheet):

Total Supply Current with Channels Disabled typical value changed from 31uA to 26uA.
Open (VS-VG) Clamp Voltage minimum spec limit changed from 5.4V to 5.2V.
G1 to G3 Pull-Up Slew Rate minimum spec limit changed from 7.5V/us to 5.5V/us. Typical value changed from 13V/us to 10V/us.
G1 to G3 OFF Resistance maximum spec limit changed from 260hm to 400hm. Typical value changed from 160hm to 220hm.
Pin Break-Before-Make Time maximum spec limit changed from 3us to 3.2us.
G1 to G3 Turn-On Delay From EN minimum spec limit changed from 1us to 0.9us. Typical value changed from 1.4us to 1.3us.

Electrical Characteristics table changes (page 4 of datasheet):

CAS Output High Voltage typical value changed from 2V to 2.2V.
CAS Output Low Voltage typical value changed from 0.2V to 0.08V.
CAS Pull-Up Current maximum spec limit changed from -40uA to -50uA. Typical value changed from -20uA to -30uA.
CAS Delay from VG(OFF) maximum spec limit changed from 1.3us to 1.4us. Typical value changed from 0.7us to 0.9us.
EN Threshold Voltage typical value changed from 1V to 1.1V.
SHDN, EN Threshold Hysteresis typical value changed from 100mV to 130mV.
SHDN, EN, Pull-Up Current typical value changed from -2uA to -3uA.
Minimum External Hysteresis Current typical value changed from 50nA to 55nA.

Reason For Change:

To facilitate improvement in manufacturing capability.

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

This datasheet change does not impact the fit, form, function, or reliability of the LTC4417.

Product Identification *(this section will describe how to identify the changed material)*

Product shipped after effectivity date will be tested to the new limits.
The new silicon can be identified with date code and lot traceability identification.

Summary of Supporting Information:

Changes will be reflected on the new product datasheet. See changes on Electrical Characteristics table on pages 3 and 4.

Supporting Documents

Attachment 1: Type: Datasheet Specification Comparison
ADI_PCN_21_0249_Rev_-_LTC4417 Datasheet Mark-up 112221.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:
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Rest of Asia:
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Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (13)

LTC4417/LTC4417CGN#PBF	LTC4417/LTC4417CGN#TRPBF	LTC4417/LTC4417CUF#PBF	LTC4417/LTC4417CUF#TRMPBF	LTC4417/LTC4417CUF#TRPBF
LTC4417/LTC4417HGN#PBF	LTC4417/LTC4417HGN#TRPBF	LTC4417/LTC4417HUF#PBF	LTC4417/LTC4417HUF#TRPBF	LTC4417/LTC4417IGN#PBF
LTC4417/LTC4417IGN#TRPBF	LTC4417/LTC4417IUF#PBF	LTC4417/LTC4417IUF#TRPBF		

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	01-Dec-2021	05-Mar-2022	Initial Release

Analog Devices, Inc.

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