

Product/Process Change Notice - PCN 2392 -

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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:	Firmware update for MAX17301, MAX17302, MAX17303, MAX17311, MAX17312, MAX17313
Publication Date:	26-Oct-2023
Effectivity Date:	28-Jan-2024 (the earliest date that a customer could expect to receive changed material)
Revision Description:	-

Description Of Change:

The firmware update fixes false triggering of the Permanent Failure protection feature while the feature is disabled. The feature is disabled by configuring the bit nProtCfg.PFEn=0 via I2C communication.

Reason For Change:

The connected battery pack may potentially not charge due to the incorrect triggering of the Permanent Failure protection feature. The protection feature may accidentally get triggered disabling the charge and discharge FETs and asserting the PFAIL pin. Since this condition is copied into the non-volatile memory, a simple reset is not able to recover the IC.

Note: This PCN is an Information Notice only and is effective immediately.

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

With this fix, the protection feature may be used as intended, with no risk of accidental triggers of the permanent-failure protection mode.

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

"DevName" table attached identifies parts of fixed version in PASS 3 column.

Summary of Supporting Information:

Supporting Documents:

Attachment 1: Type:

[PCN 2392 Pass 2-to-3 DevName Table.pdf](#)

ADI Contact Information:

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

Americas:	Europe:	Japan:	Rest of Asia:
PCN_Americas@analog.com	PCN_Europe@analog.com	PCN_Japan@analog.com	PCN_ROA@analog.com

Appendix A - Impacted items, see csv PN listing in PCN Zip file