

**CHANGE NOTIFICATION**

Analog Devices, Inc.  
 1630 McCarthy Blvd., Milpitas CA  
 (408) 432-1900

May 20, 2018

PCN\_052018

Dear Sir/Madam:

**Subject: Notification of Change to LTC4120, LTC4120-4.2 Die**

Please be advised that Analog Devices has made an improvement to the LTC4120 and LTC4120-4.2 die to prevent a lock-off condition that could happen if the NTC pin were pulled below GND. This lock-off scenario could occur when hot plugging a 3-terminal battery pack such that the BAT+ terminal and/or the NTC terminal connects to the PCB containing the LTC4120 before the BAT- terminal is connected. This connection sequence causes the NTC pin to be pulled below GND and causes a test mode to become latched on, which put the LTC4120 in a locked-off test mode. The LTC4120 die was changed so that this test mode no longer locks off in this case. This die change prevents the LTC4120/LTC4120-4.2 from entering the test mode and becoming stuck in the lock-off state.

This die change has been qualified by performing extensive engineering evaluation and test characterization over the full operating junction temperature range. No other functional or parametric specifications are affected and the datasheet is unchanged. Product built using the revised die will be shipped with approximate datecode as show below table.

Part Number	Date Code (Approx.)
LTC4120	1821
LTC4120-4.2	1823

Please provide an expeditious approval to this PCN, so that ADI can start to ship the new device.

Should you have any questions or concerns please contact your local Analog Devices sales representatives or you may contact me at 408-432-1900 ext. 2077, or by e-mail at [JASON.HU@ANALOG.COM](mailto:JASON.HU@ANALOG.COM). If we do not hear from you by July 20, 2018, we will consider this change to be approved by your company.

Sincerely,

Jason Hu  
Quality Assurance Engineer

**For questions on this PCN, please contact Jason Hu or you may send an email to your regional contacts below or contact your local ADI sales representatives.**

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