

## CHANGE NOTIFICATION



Linear Technology Corporation  
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(408) 432-1900

December 02, 2016

Dear Sir/Madam:

PCN#120216

**Subject: Notification of Change to LTC4425 Die**

Please be advised that Linear Technology Corporation has made a minor change to the LTC4425 die to correct a potential issue during start up. In applications where the  $V_{IN}$  ramp rate is slower than 1V/msec, high charge current can flow to  $V_{OUT}$  as  $V_{IN}$  traverses between 1.7V to 2.5V. This issue has no effect on operation within the specified  $V_{IN}$  operating range of 2.7V to 5.5V. During a slow  $V_{IN}$  ramp startup condition the charge current is not limited by the PROG resistor value, and the voltage on the PROG pin does not reflect the actual  $V_{OUT}$  charge current. The magnitude of the charge current is thermally limited and is therefore dependent on the ambient temperature and thermal design of the application. The specific conditions where this issue may occur within the  $V_{IN}$  range referenced above vary from unit to unit.

The die change to correct this problem has been qualified by performing extensive engineering evaluation and test characterization over the full operating junction temperature range. In addition, the revised product has successfully completed 500 hours of High Temperature Operating Life (HTOL). The product datasheet remains unchanged. Product built using the revised die will be shipped with a date code of approximately 1652.

Should you have any concerns, please contact me before February 02, 2017, at which time we will consider this change to be approved. Should you have any questions or concerns please contact your local Linear Technology Sales person or you may contact me at 408-432-1900 ext. 2077, or by e-mail at [JASON.HU@LINEAR.COM](mailto:JASON.HU@LINEAR.COM).

Sincerely,

Jason Hu  
Quality Assurance Engineer