

CHANGE NOTIFICATION



Linear Technology Corporation
1630 McCarthy Blvd., Milpitas, CA 95035-7417
(408) 432-1900

January 18, 2017

Dear Sir/Madam:

PCN#011817

Subject: Notification of Change to LTC1646 Die

Please be advised that Linear Technology Corporation has made a change to the LTC1646 die to improve device performance. The description of the change is as follows:

An avalanche diode between the GATE and VCC pins of the LTC1646 has been improved to eliminate a potential long term drift in the maximum GATE to VCC voltage. No other functional or parametric specifications are affected and the datasheet is unchanged.

The change was qualified by performing characterization over the full operating temperature range. Extensive bench evaluations were conducted over a range of application conditions. Additionally, the new material with improved diode has already passed our extensive qualification testing which included 192 hours of HAST and 1000 hours of Burn-in at 125°C without failures. The change will not have any impact on device form, fit, or function. Production shipments of product with new die will begin no sooner than March 18, 2017. Please provide an expeditious approval to this PCN, so that LTC can start to ship the new device.

Should you have any concerns, please contact me before March 18, 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.

Sincerely,

Jason Hu
Quality Assurance Engineer