

CHANGE NOTIFICATION



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

August 23, 2016

PCN#082316

Dear Sir/Madam:

Subject: Notification of Change to LTC6702 Die

Please be advised that Linear Technology Corporation has made a change to the LTC6702 die. This silicon change addresses a potential issue at start-up in a small percentage of units. In some applications, the circuitry that sets the internal bias currents may oscillate upon power-up. Applications that repeatedly cycle the power to the LTC6702 and operate at temperatures below 0°C are more susceptible to this issue. Affected devices may show variations in propagation delay of up to 500ns. At temperatures below -30°C affected devices may exhibit false switching at the output.

The bias current setting circuitry was reconfigured using existing components to eliminate the start-up oscillation. The mask changes were qualified by performing extensive bench evaluation and characterization beyond the full operating temperature range. An oscillation detection test was added to the production test system to verify proper operation on a large number of parts. No functional or parametric specifications are affected, and the datasheet is unchanged. Product built using the revised die will be shipped with a date code of approximately 1640.

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. 2374, or by e-mail at DJANI@LINEAR.COM. If I do not hear from you by October 24, 2016, we will consider this change approved by your company.

Sincerely,

Daksha Jani
Quality Assurance Engineer