

RELIABILITY DATA
 LTC3548A Die Change
 6/7/2019

• OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +125°C	NUMBER OF FAILURES
MSOP	77	1906	1906	77	0
Total	77			77	0

(1) Sample size too small for meaningful FIT calculations.

LTC3548A - Silicon Changes to Improve Latch Immunity

A comparison of the latch up performance between the old silicon and the new silicon shows that the new silicon is much better, see the table below:

Silicon	CH1: SW Above Vin (SW-Vin), V Latch Up Voltage	CH1: SW below GND (SW-GND), V Latch Up Voltage	CH2: SW Above Vin (SW-Vin), V Latch Up Voltage	CH2: SW below GND (SW-GND), V Latch Up Voltage
Old	3.3	-2.5	2.8	-2.9
New	No Latch Up out to 4.5V	No Latch Up out to -5V	No Latch Up out to 4.5V	No Latch Up out to -5V