**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:

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| Silicon | CH1: SW Above Vin (SW-Vin), V Latch Up Voltage | CH1: SW below GND (SW-GND), VLatch Up Voltage | CH2: SW Above Vin (SW-Vin), V Latch Up Voltage | CH2: SW below GND (SW-GND), VLatch 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 |