

NO. TJBA SoC Drop8.jpg

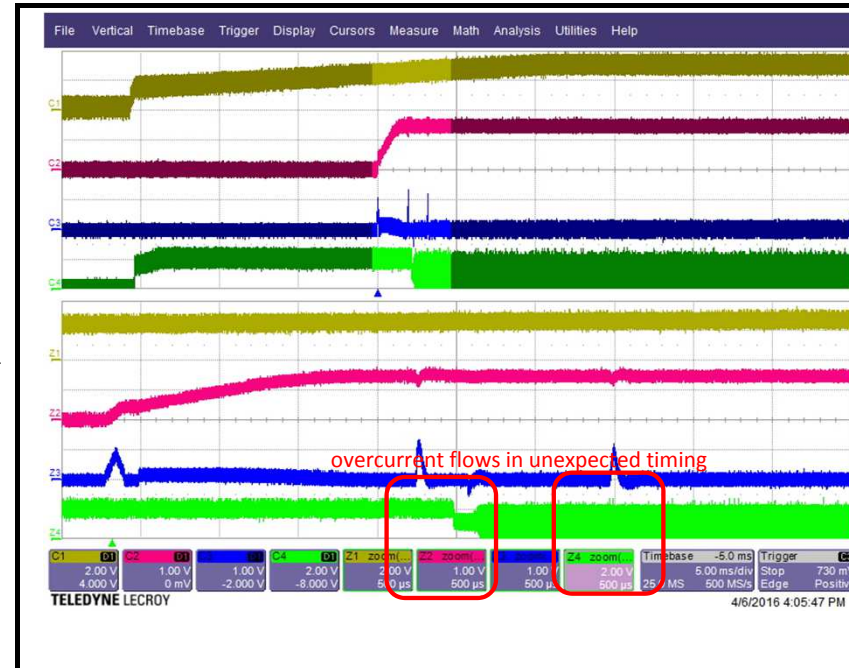
Measuring point
 CH1: 3.08V
 CH2: SoC voltage
 CH3: SoC current
 CH4: GP Xtal

Measurement condition

Measurement range
 CH1: 2V/div
 CH2: 1V/div
 CH3: 1A/div
 CH4: 2V/div
 5ms/div

Measurement result

Expa



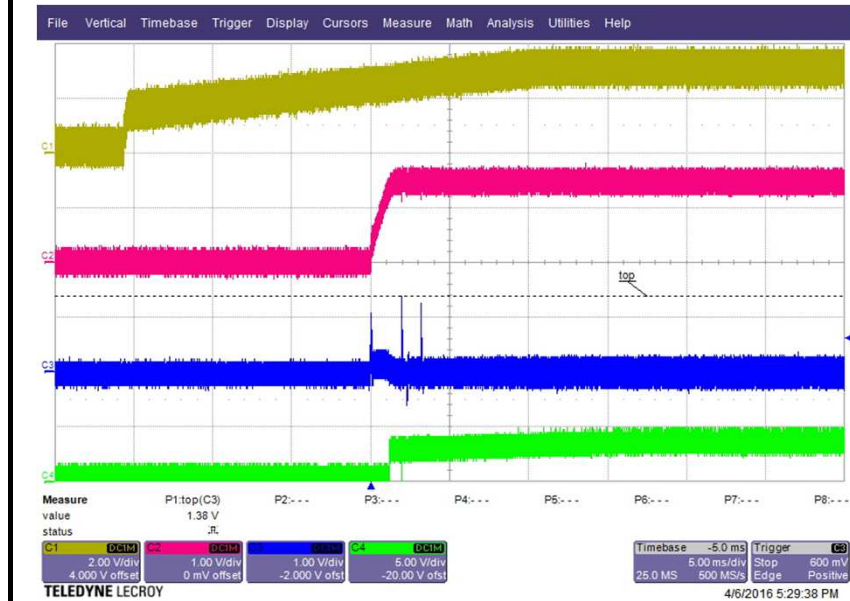
NO. TJBA SoC Drop9.jpg

Measurement point
 CH1: 3.08V
 CH2: SoC voltage
 CH3: SoC current
 CH4: GP Xtal

Measurement condition

Measurement range
 CH1: 2V/div
 CH2: 1V/div
 CH3: 1A/div
 CH4: 2V/div
 5ms/div (500us/div)

Measurement result
 over-current flows in the SoC line after the oscillation and the oscillation just before. GP is the cause, but why occur unknown.



NO. TJBA SoC Drop27.jpg

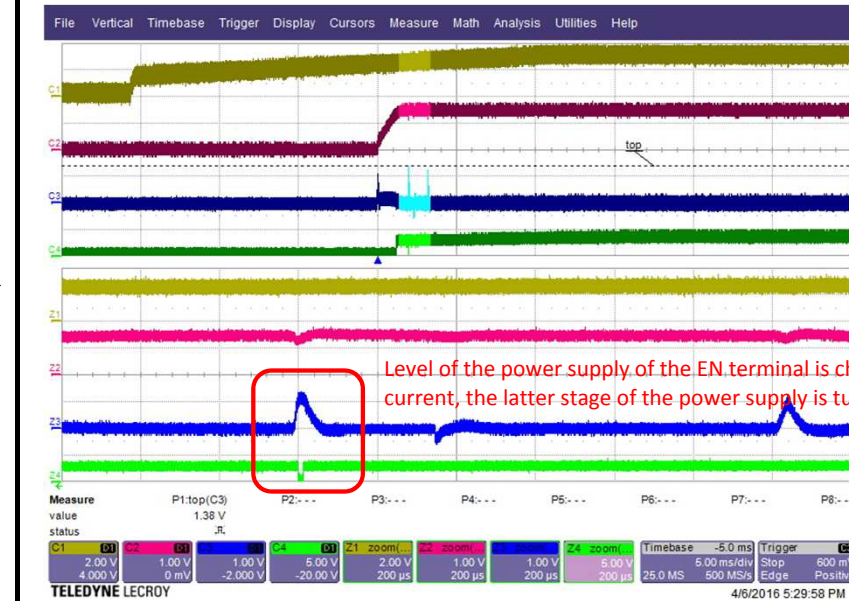
Measuring point
 CH1: 3.08V
 CH2: SoC voltage
 CH3: SoC current
 CH4: Enable

Measurement condition

Measurement range
 CH1:
 CH2:
 CH3:
 CH4:

Measurement result

Expa



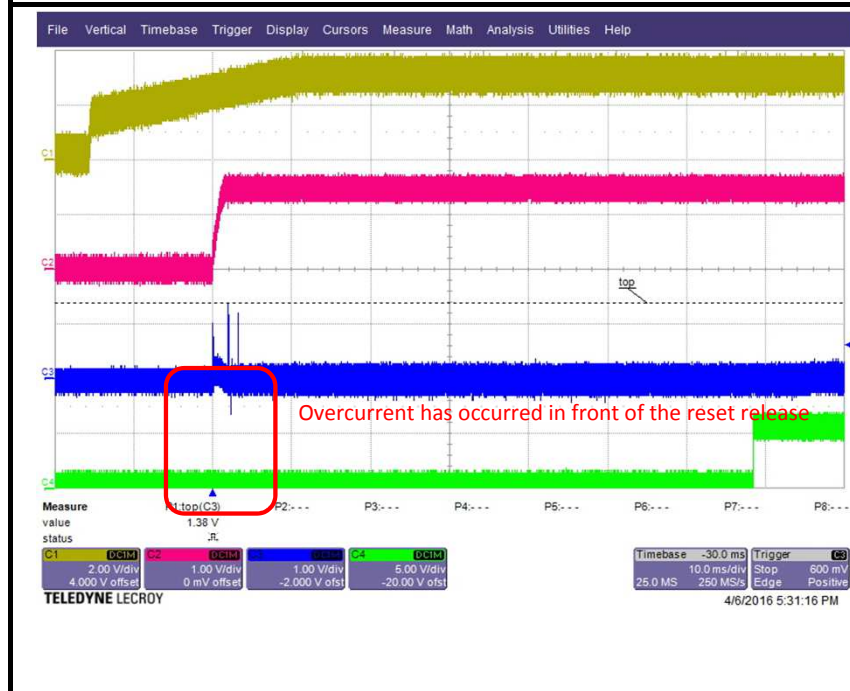
NO. TJBA SoC Drop28.jpg

Measurement point
 CH1: 3.08V
 CH2: SoC voltage
 CH3: SoC current
 CH4: Enable

Measurement condition

Measurement range
 CH1:
 CH2:
 CH3:
 CH4:

Measurement result
 Level of the power supply of the EN terminal is changed by over-current, the latter stage of the power supply is turned OFF.



NO. TJBA SoC Drop30.jpg

Measuring point
 Meas 3.08V
 Meas SoC voltage
 Meas SoC current
 Meas GDC RESET

Measurement condition

Measurement range
 CH1:
 CH2:
 CH3:
 CH4:

Measurement result

Overcurrent has occurred in front of the reset release