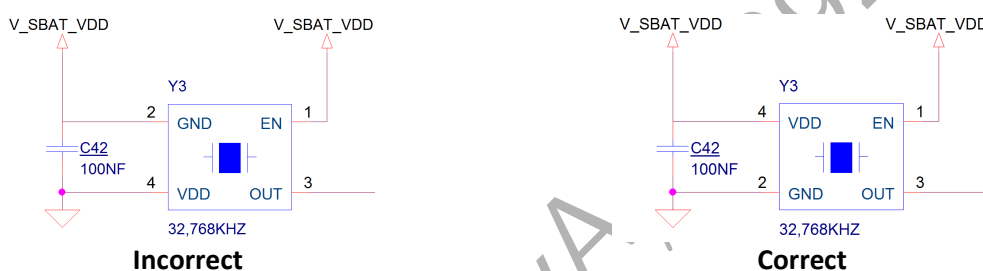_____*Revision A*

This document details hardware fixes done on the MPOS-SDT2 EV-KIT revision A.

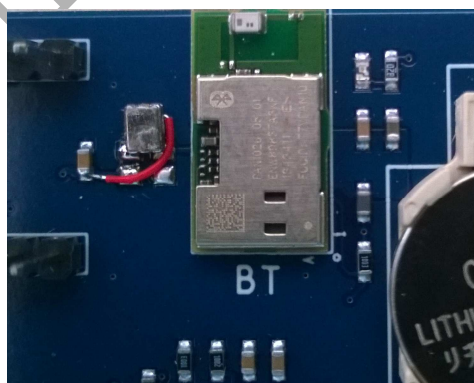## 1) BLUETOOTH 32.768KHZ OSCILLATOR (Y3)

Description

Y3 oscillator is not properly connected: Pin 2 and 4 are inverted.

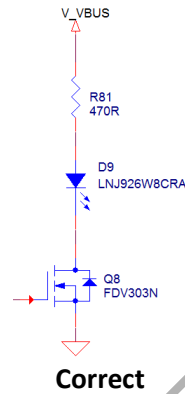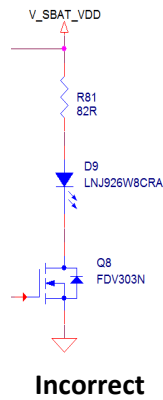**Incorrect**   **Correct**

Workaround

The oscillator wiring has been modified.
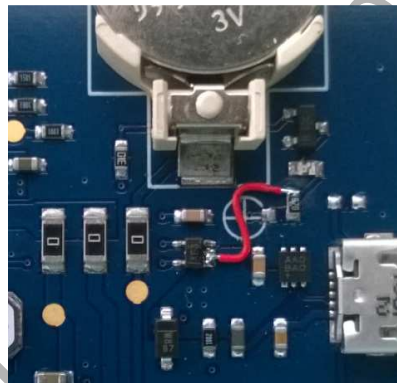

2) BATTERY CHARGE LED (D9)

Description

The LED D9 lights when the secondary battery charge is completed. This indicator should normally be enabled only while charging, when V_VBUS is present. In the schematic the LED D9 is powered by V_SBAT_VDD instead of V_VBUS. Consequently, the indicator is enabled even if there is no external power source connected to then it could draw current from the secondary battery.
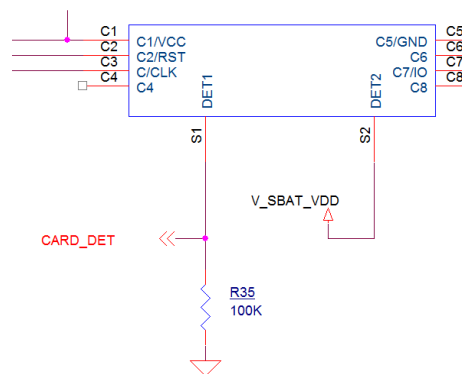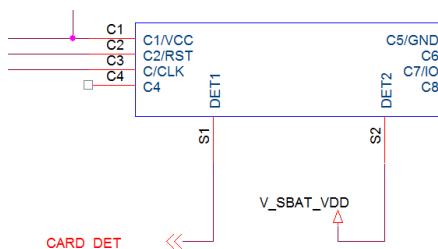
| Incorrect | Correct |

Workaround

R81 has been connected to V_VBUS and is value updated accordingly.

3) SMARTCARD CARD DETECTION POLARITY

Description

Even if the MAX32550's card detection polarity can be selected by software, it is recommended to use the high level with a version up to A3. This is to avoid missing the first card insertion event. Because the MAX32550's card detection I/O includes a weak pull-up an external pull down is needed with normal open detection switch.

| Incorrect | Correct |

Workaround

A pull down resistor has been added.