DEB2-4105C Errata

This document summarises the found so far problems in DEB2-4105C development board circuit and possible solutions for them.

PROBLEM *(found in V1 and V2 boards)*
+VBAT too low (usually under 3.5V) when the board is powered from the USB port. Additionally, DC current is sourced back to the USB host (not allowed by the USB specification) when USB is connected.

SOLUTION
Carefully cut the track between pin 2 of Q1 and the common point of R4 and R6 as in the picture below.
Replace R4 with a 0R resistor.
Replace Q1 with a suitable common cathode pair in SOT-223 package, such as **BAT120C**.
Create a wire link between C1 and the common cathode of Q1 as in the picture below.
Optional step: Remove R6.