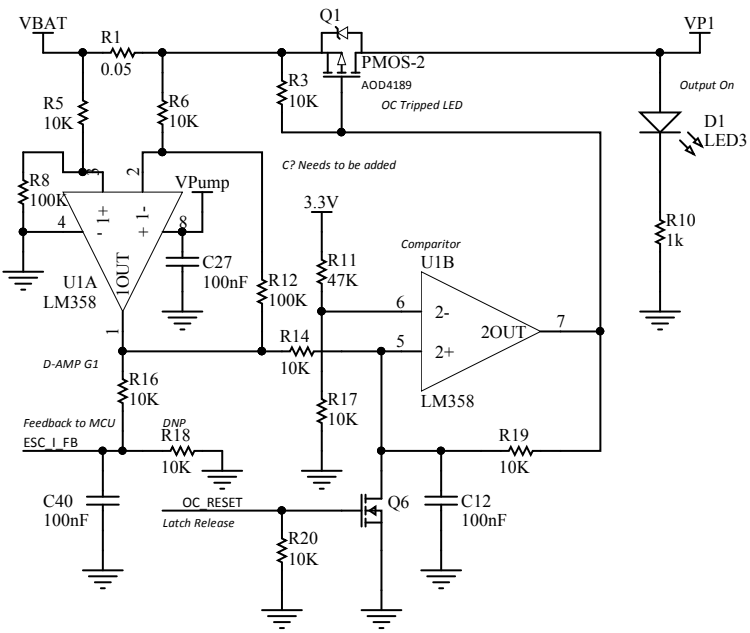


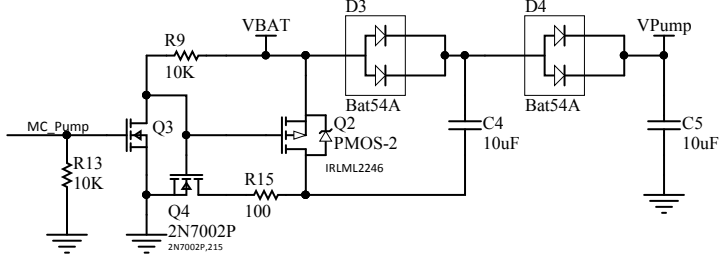
# Sensorless 10A ESC REV2.0

Nathan Zimmerman

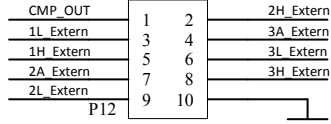
## Over Current Latch Circuit Trip 12A



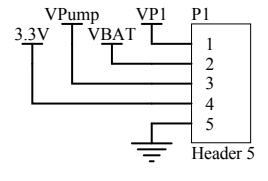
## Doubler Charge Pump



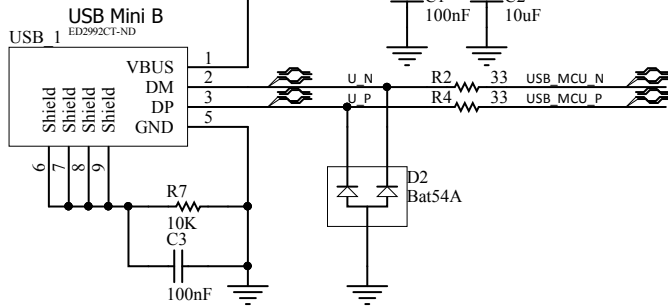
## External Motor



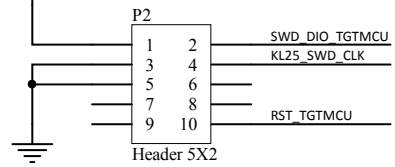
## Power Rails



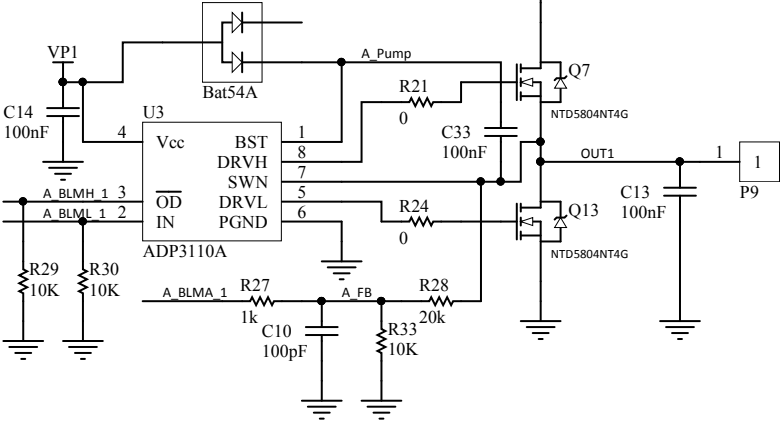
## USB\_Slave



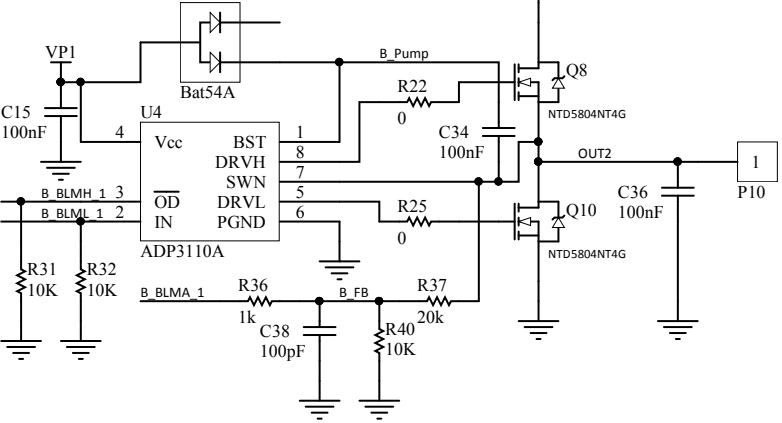
## Kinetis SWD



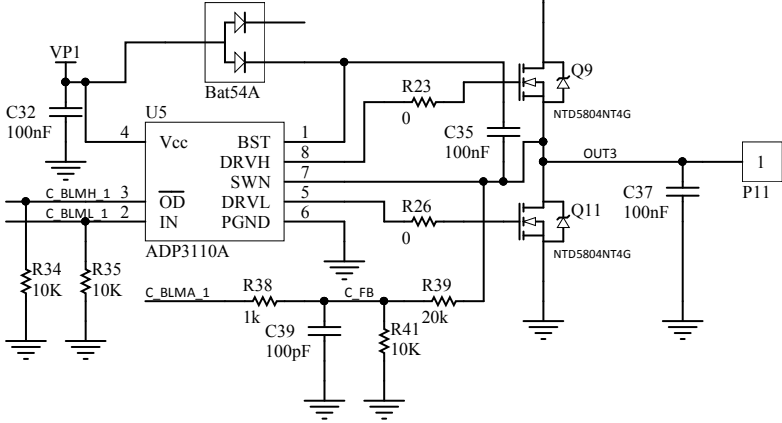
## 1 Phase A



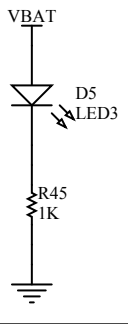
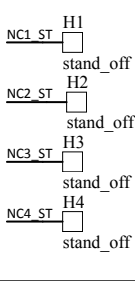
## 1 Phase B



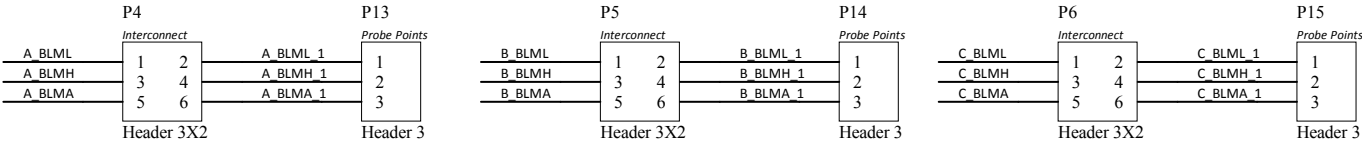
## 1 Phase C



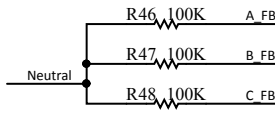
## Standoffs



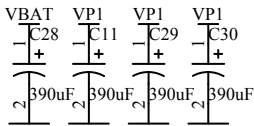
## Phase Signal Interconnects



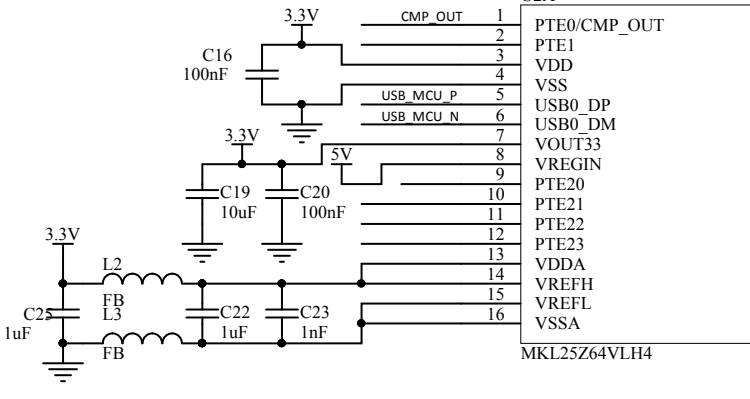
## Sudo Neutral



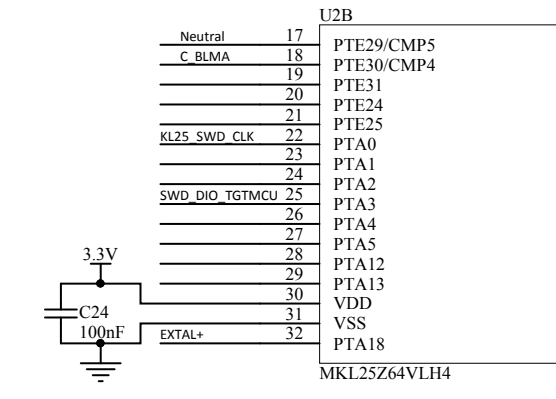
## Bulk C



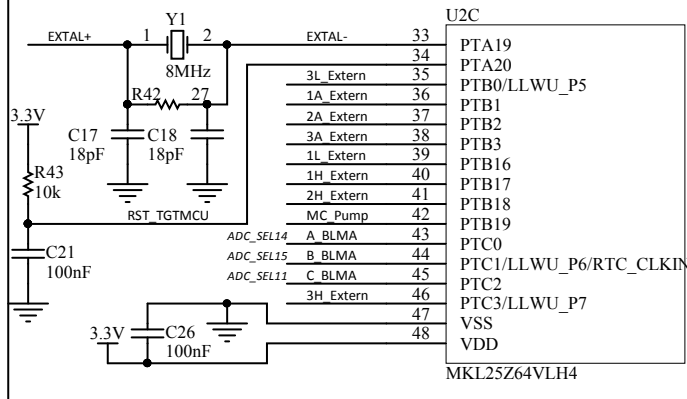
## Kinetis Bank A



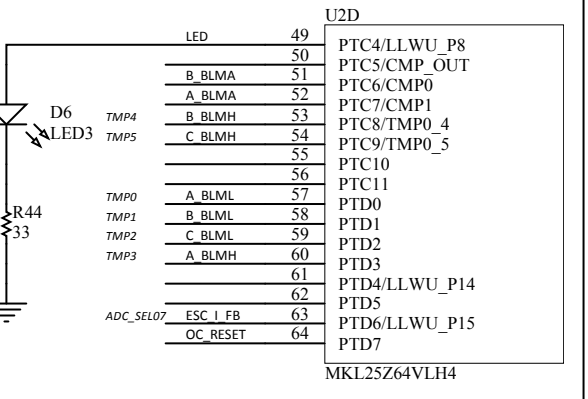
## Kinetis Bank B



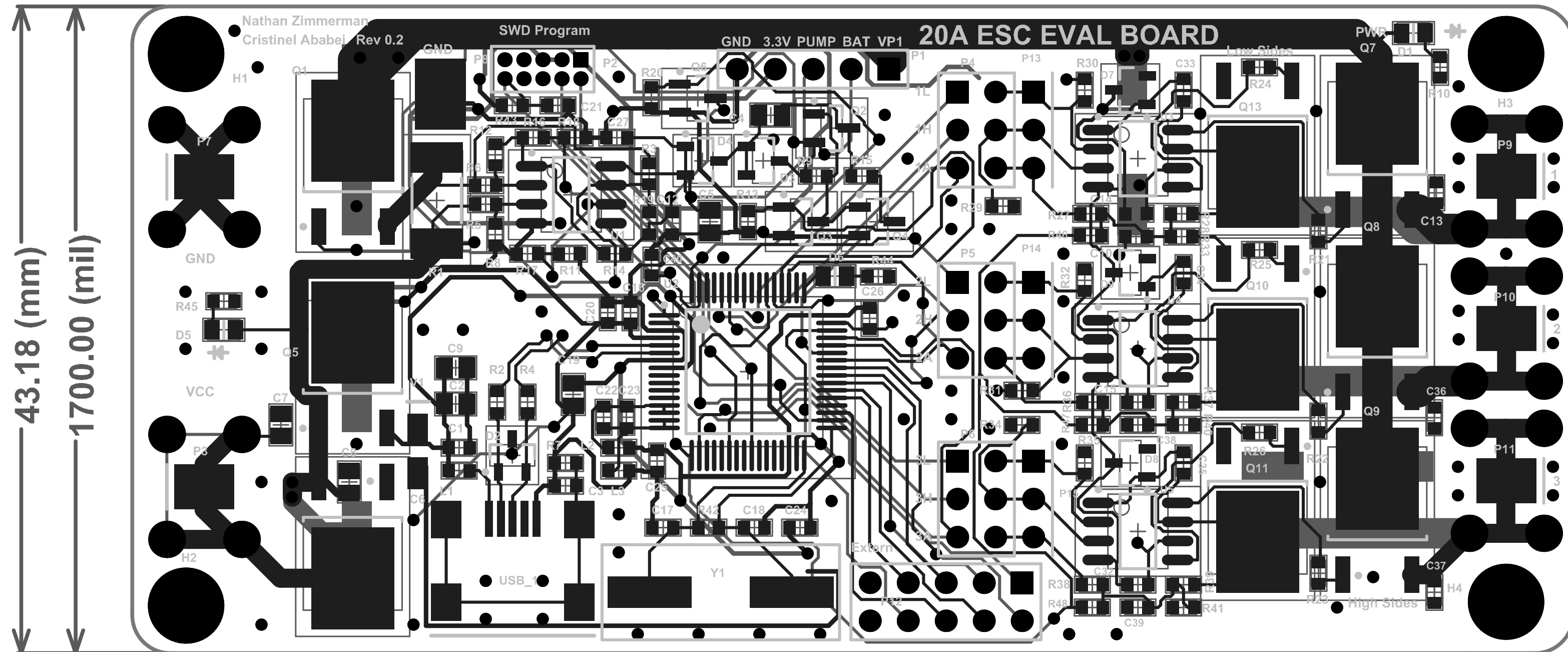
## Kinetis Bank C



## Kinetis Bank D



# ESC Rev 2



**Nathan Zimmerman**  
**Rev 2**

