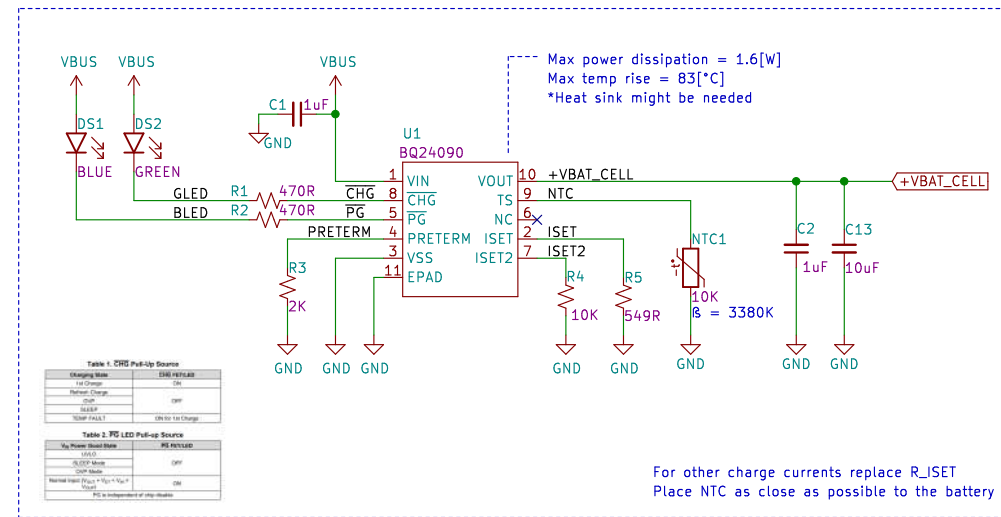
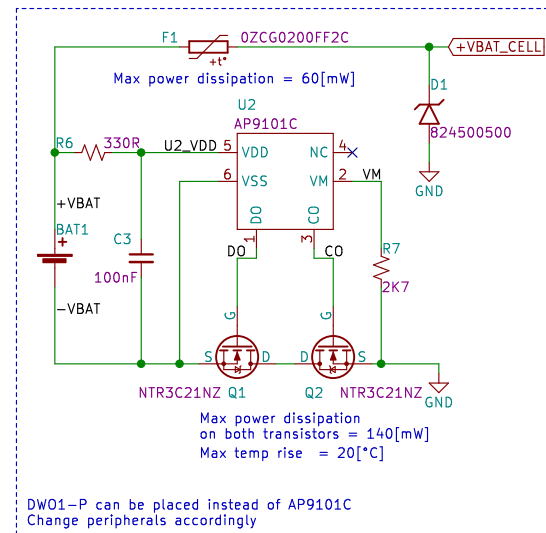


The design is intended for one 3.7[V] Li-Ion 18650 battery cell

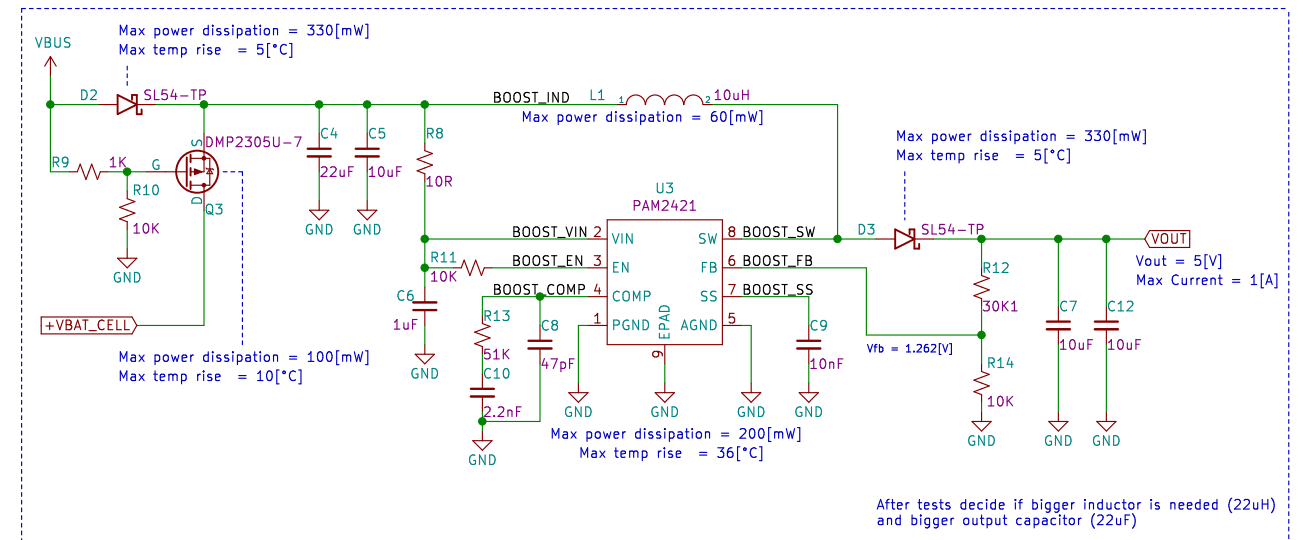
## Battery charger



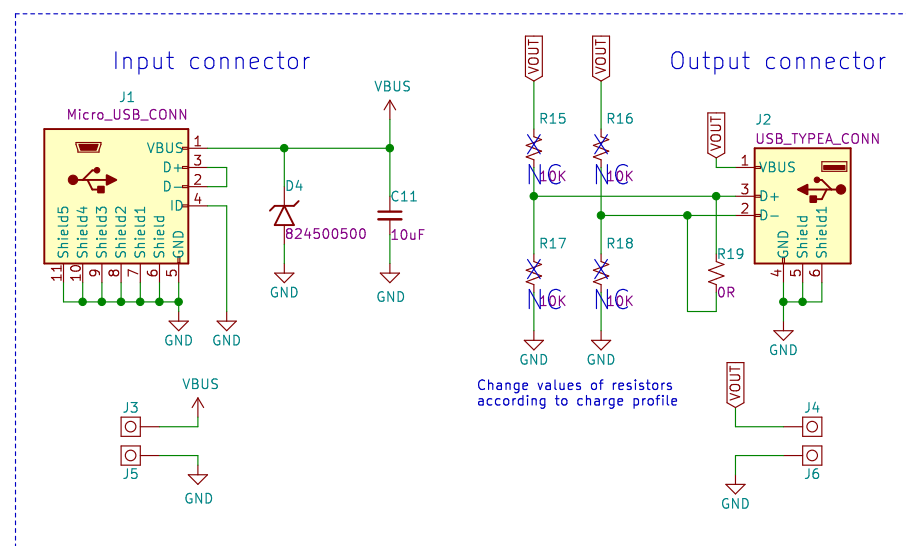
## Battery cell



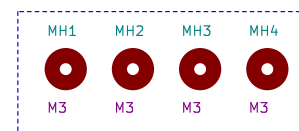
Boost converter 3.7 [V]  $\rightarrow$  5 [V]



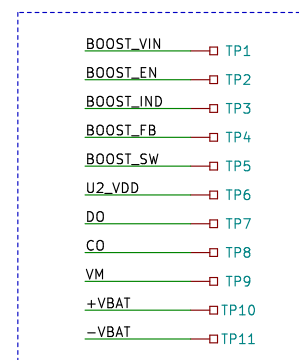
## Connectors



## Mounting holes



## Test points



Specifications:

```
Vin = 5[V]
Vout = 5[V]
Max output current = 1[A]
Battery charge current = 1[A]
*For other charge currents change R_ISET
** The max output current and power
are determined by the battery cell
MAKE SURE YOUR BATTERY CAN WITHSTAND THE MAX RATINGS
```

$X_{NC}$  - Marks 'not connected' components