



"apple resistors":  
D-:  $49.9 / (49.9 + 43) * 5.2 = 2.79$   
D+:  $49.9 / (49.9 + 78.7 + 0.3) * 5.2 = 2.00$   
identifies device as wall adapter,  
which can deliver charge current of 1A

Lipo charger (based on Adafruit powerboost 1000 charger)

- monitor load current and load voltage (Arduino Leonardo & INA219)
- Enable / Disable load and monitoring (automatic disable when low Batterie)
- Load external or internal Lipo

Sheet: /  
File: PowerBox.sch

### Title: Power Box

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