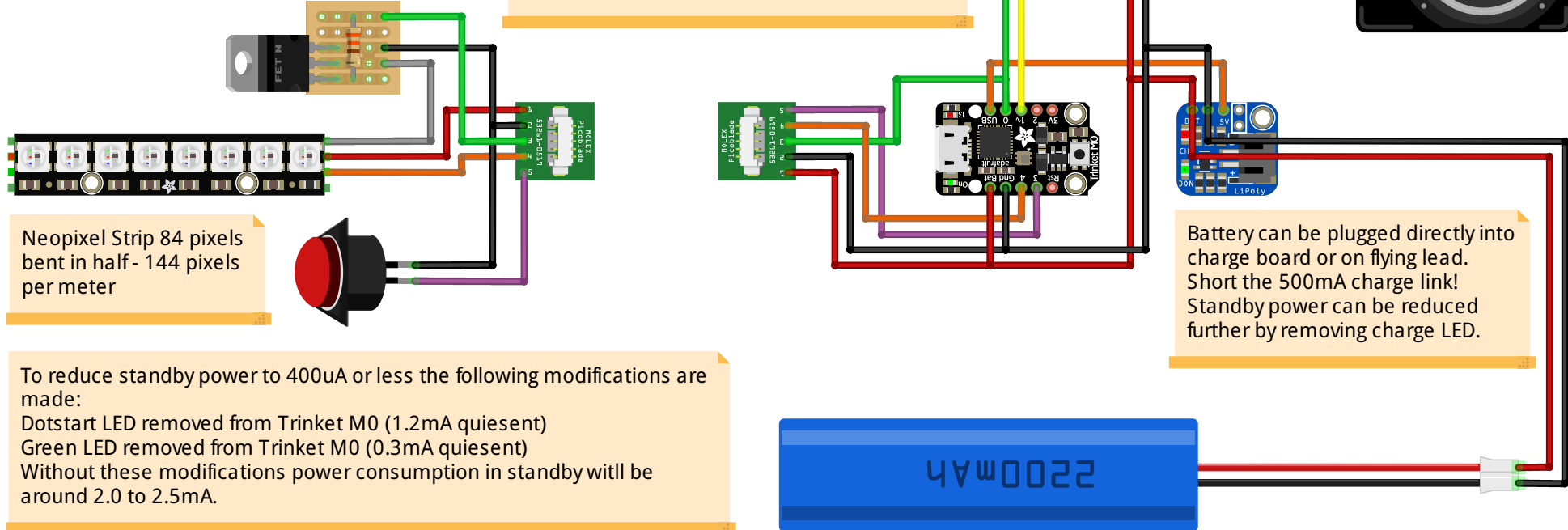


### Parts List

Adafruit Trinket M0  
Adafruit 2.5W Audio Amp (2130)  
Adafruit Trinket LiPoly Backpack (2124)  
Adafruit SOT-23 breakout (1230)  
Adafruit Cylindrical Battery (1781)  
Adafruit Speaker Short Cable (4227)  
1 Meter 144 pixel Neopixel Strip  
Mosfet N-Channel IRLML0060 (RS 725-9341)  
Momentary Push Switch (RS 734-6735)  
PicoBlade 5 way M-F cable (RS 224-8717)  
PicoBlade 2 way F cable (RS 224-8481)  
330R Resistor

Using SOT-23 Adafruit carrier board with N-Channel Mosfet IRLML0060. 330R resistor.

Speaker can be connected using PicoBlade flying lead or using the long cable speaker soldered direct to audio amp. Adafruit long lead speaker is part no: 3923



Neopixel Strip 84 pixels bent in half - 144 pixels per meter

To reduce standby power to 400uA or less the following modifications are made:  
Dotstart LED removed from Trinket M0 (1.2mA quiesent)  
Green LED removed from Trinket M0 (0.3mA quiesent)  
Without these modifications power consumption in standby willl be around 2.0 to 2.5mA.

Battery can be plugged directly into charge board or on flying lead. Short the 500mA charge link! Standby power can be reduced further by removing charge LED.