jetpack
cognition lab

Bakiwi Kit, dev.0
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Battery (e.g. 4x 1V5 Type: AA)

VCC
4-6V

LP2950ACZ-3.3
VREG

IN   OUT
GND

BAT1

BAT2

POWER

0V

C1
1uF

C2
100µF

+3V3

PHASE   AMP2   AMP1   FREQ

+3V3

+3V3

µC

13	PA0(ADC0/AREF)
12	PA1(ADC1)
11	PA2(ADC2)
10	PA3(ADC3)
9	PA4(ADC4/SCL/SCK)
8	PA5(ADC5/OC1B/MISO)
7	PA6(ADC6/OC1A/SDA/MOSI)
6	PA7(ADC7/OC0B)
2	PB0(XTAL1)
3	PB1(XTAL2)
5	PB2(OC0A)
4	PB3(RESET)

VCC 1

GND 14

A4(SCK/RECV)
A5(M2/MISO)~
A6(M1/MOSI)~
A7(LED2)~
B0(BTN)
B1(SEND)
B2(LED1)~
B3(NRESET)

The ~ denote PWM pins.

ATTINY24-44-84

capsense

B1(SEND)   10M   A4(SCK/RECV)
R3

VCC

DAT
V+
GND

MOTOR2

DAT
V+
GND

MOTOR1

R2 1k   R1 1k

LED2   LED1

PAUSE

Use internal 10k
pullup resistor.

3 4

1 2

PROG

+3V3

A5(M2/MISO)~   1   2
A4(SCK/RECV)   3   4   A6(M1/MOSI)~
B3(NRESET)   5   6