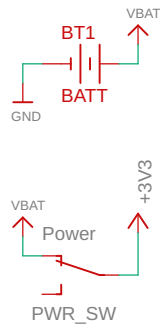# Low-Cost TinyConsole Trinket v1.0
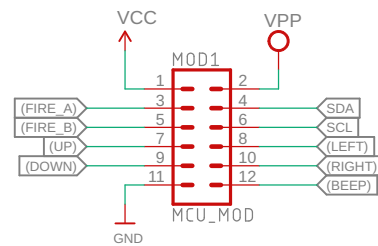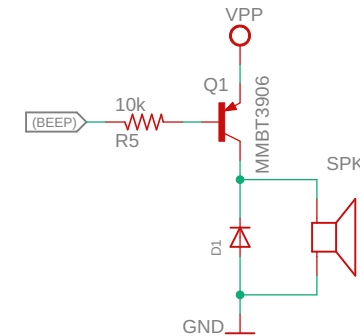
Batt & Switch

BT1
BATT
VBAT
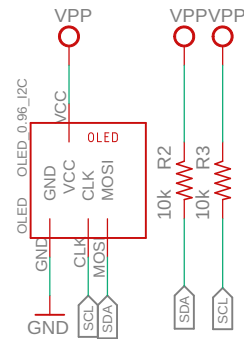GND

VBAT
+3V3
Power
PWR_SW

Voltage Booster

+3V3
VCC
VBOOST_BYPASS

+3V3 => Voltage from 2xAA Batteries
VCC => Voltage After V-Boost
VPP => Voltage from MCU Module

+3V3
L1
22uH
C1
47uF
GND

IC1
ME2188
LX   VOUT
GND
3   2
1
GND

VCC
C2
0.1uF
GND

VCC
C3
100uF
GND

VCC
R1
1k
PWR
GND

Passive Speaker

VPP
Q1
MMBT3906
(BEEP)
10k
R5
SPK
D1
GND
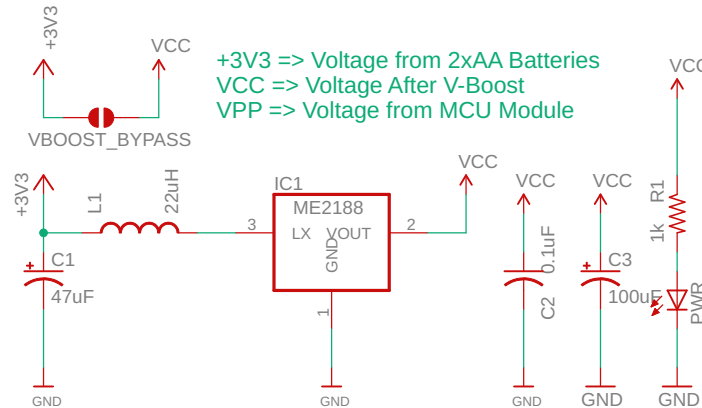
MCU Cartridge Socket EXP

VCC
VPP

MOD1
MCU_MOD
1   2
3   4
5   6
7   8
9   10
11 12

(FIRE_A)
(FIRE_B)
(UP)
(DOWN)

SDA
SCL
(LEFT)
(RIGHT)
(BEEP)

GND

I2C OLED

VPP   VPP VPP

OLED 0.96_I2C
OLED
GND VCC CLK MOSI
GND

10k R2
10k R3

GND
CLK
MOS
SCL SDA
SDA SCL

Input Switches

UP
1 3
2 4
(UP)

DOWN
1 3
2 4
(DOWN)

LEFT
1 3
2 4
(LEFT)

RIGHT
1 3
2 4
(RIGHT)

(FIRE_B) (FIRE_A)
B   A
GND

P$1*2   P$1   P$1*2   P$1