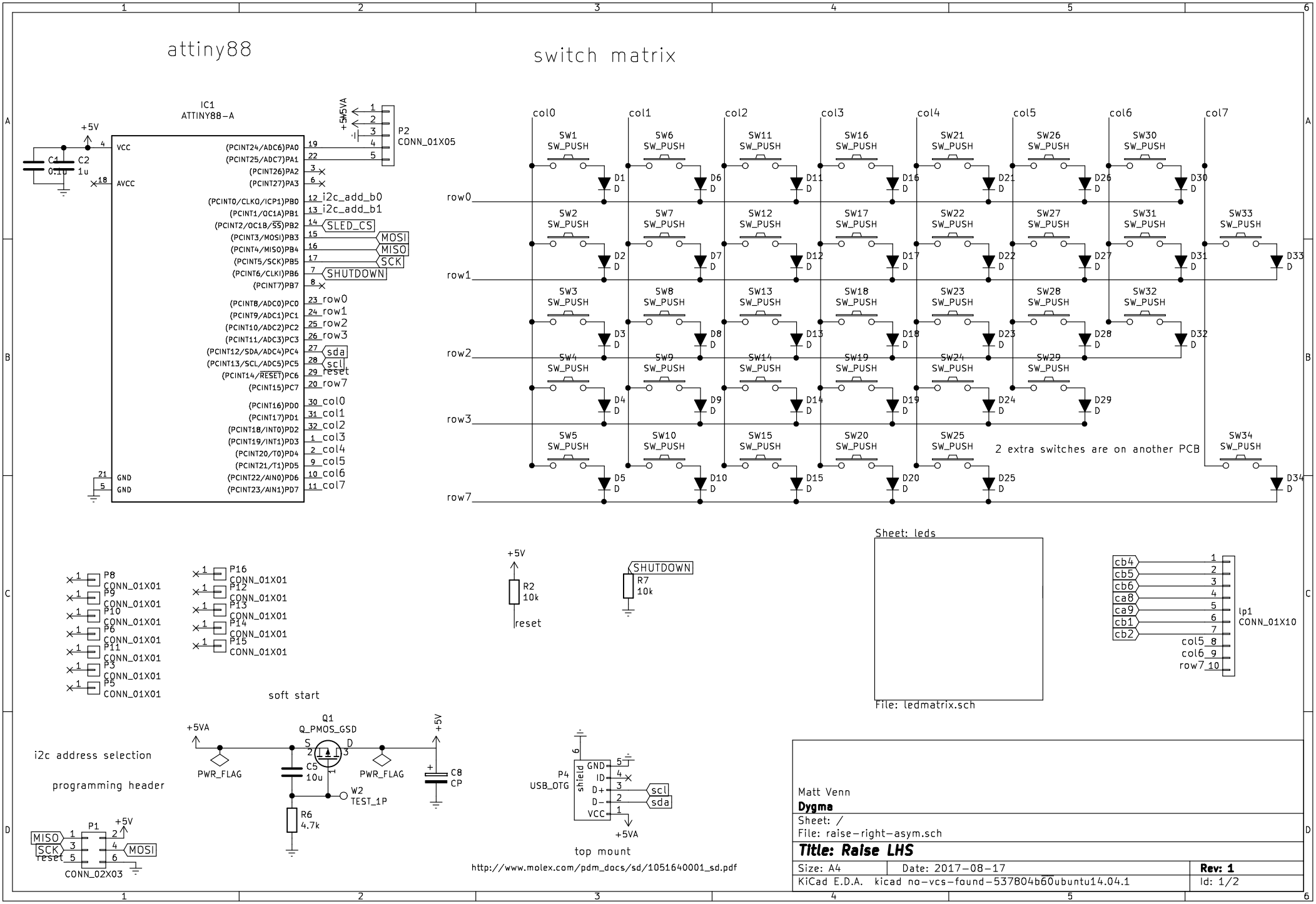
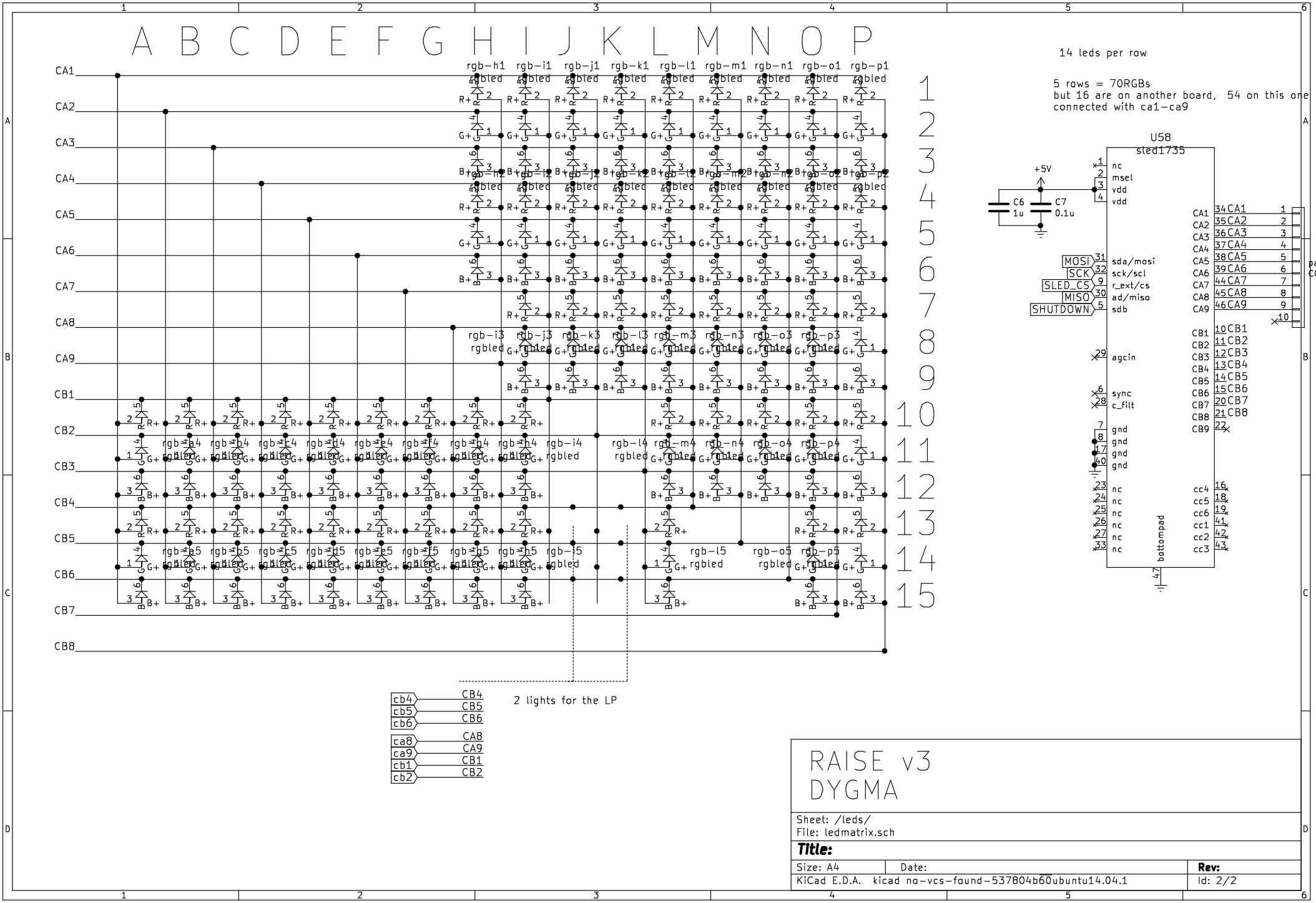

attiny88
switch matrix
IC1
ATTINY88-A
+5V
C1
0.1u
C2
1u
VCC
AVCC
GND
GND
(PCINT24/ADC6)PA0
(PCINT25/ADC7)PA1
(PCINT26)PA2
(PCINT27)PA3
(PCINT0/CLKO/ICP1)PB0
(PCINT1/OC1A)PB1
(PCINT2/OC1B/SS)PB2
(PCINT3/MOSI)PB3
(PCINT4/MISO)PB4
(PCINT5/SCK)PB5
(PCINT6/CLKI)PB6
(PCINT7)PB7
(PCINT8/ADC0)PC0
(PCINT9/ADC1)PC1
(PCINT10/ADC2)PC2
(PCINT11/ADC3)PC3
(PCINT12/SDA/ADC4)PC4
(PCINT13/SCL/ADC5)PC5
(PCINT14/RESET)PC6
(PCINT15)PC7
(PCINT16)PD0
(PCINT17)PD1
(PCINT18/INT0)PD2
(PCINT19/INT1)PD3
(PCINT20/T0)PD4
(PCINT21/T1)PD5
(PCINT22/AIN0)PD6
(PCINT23/AIN1)PD7
+5VA
P2
CONN_01X05
i2c_add_b0
i2c_add_b1
SLED_CS
MOSI
MISO
SCK
SHUTDOWN
row0
row1
row2
row3
sda
scl
reset
row7
col0
col1
col2
col3
col4
col5
col6
col7
SW1 SW_PUSH
SW2 SW_PUSH
SW3 SW_PUSH
SW4 SW_PUSH
SW5 SW_PUSH
SW6 SW_PUSH
SW7 SW_PUSH
SW8 SW_PUSH
SW9 SW_PUSH
SW10 SW_PUSH
SW11 SW_PUSH
SW12 SW_PUSH
SW13 SW_PUSH
SW14 SW_PUSH
SW15 SW_PUSH
SW16 SW_PUSH
SW17 SW_PUSH
SW18 SW_PUSH
SW19 SW_PUSH
SW20 SW_PUSH
SW21 SW_PUSH
SW22 SW_PUSH
SW23 SW_PUSH
SW24 SW_PUSH
SW25 SW_PUSH
SW26 SW_PUSH
SW27 SW_PUSH
SW28 SW_PUSH
SW29 SW_PUSH
SW30 SW_PUSH
SW31 SW_PUSH
SW32 SW_PUSH
SW33 SW_PUSH
SW34 SW_PUSH
D1 D
D2 D
D3 D
D4 D
D5 D
D6 D
D7 D
D8 D
D9 D
D10 D
D11 D
D12 D
D13 D
D14 D
D15 D
D16 D
D17 D
D18 D
D19 D
D20 D
D21 D
D22 D
D23 D
D24 D
D25 D
D26 D
D27 D
D28 D
D29 D
D30 D
D31 D
D32 D
D33 D
D34 D
2 extra switches are on another PCB
P8 CONN_01X01
P9 CONN_01X01
P10 CONN_01X01
P6 CONN_01X01
P11 CONN_01X01
P3 CONN_01X01
P5 CONN_01X01
P16 CONN_01X01
P12 CONN_01X01
P13 CONN_01X01
P14 CONN_01X01
P15 CONN_01X01
+5V
R2
10k
reset
SHUTDOWN
R7
10k
Sheet: leds
File: ledmatrix.sch
cb4
cb5
cb6
ca8
ca9
cb1
cb2
col5
col6
row7
lp1
CONN_01X10
i2c address selection
programming header
P1
+5V
MISO
SCK
reset
MOSI
CONN_02X03
soft start
+5VA
Q1
Q_PMOS_GSD
S
D
PWR_FLAG
C5
10u
PWR_FLAG
C8
CP
W2
TEST_1P
R6
4.7k
P4
USB_OTG
shield
GND
ID
D+
D-
VCC
scl
sda
+5VA
top mount
http://www.molex.com/pdm_docs/sd/1051640001_sd.pdf
Matt Venn
Dygma
Sheet: /
File: raise-right-asym.sch
Title: Raise LHS
Size: A4
Date: 2017-08-17
Rev: 1
KiCad E.D.A. kicad no-vcs-found-537804b60ubuntu14.04.1
Id: 1/2

common anode type 3 matrix



RAISE v3
DYGMA

Sheet: /leds/
File: ledmatrix.sch

Title:

Size: A4	Date:	**Rev:**
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