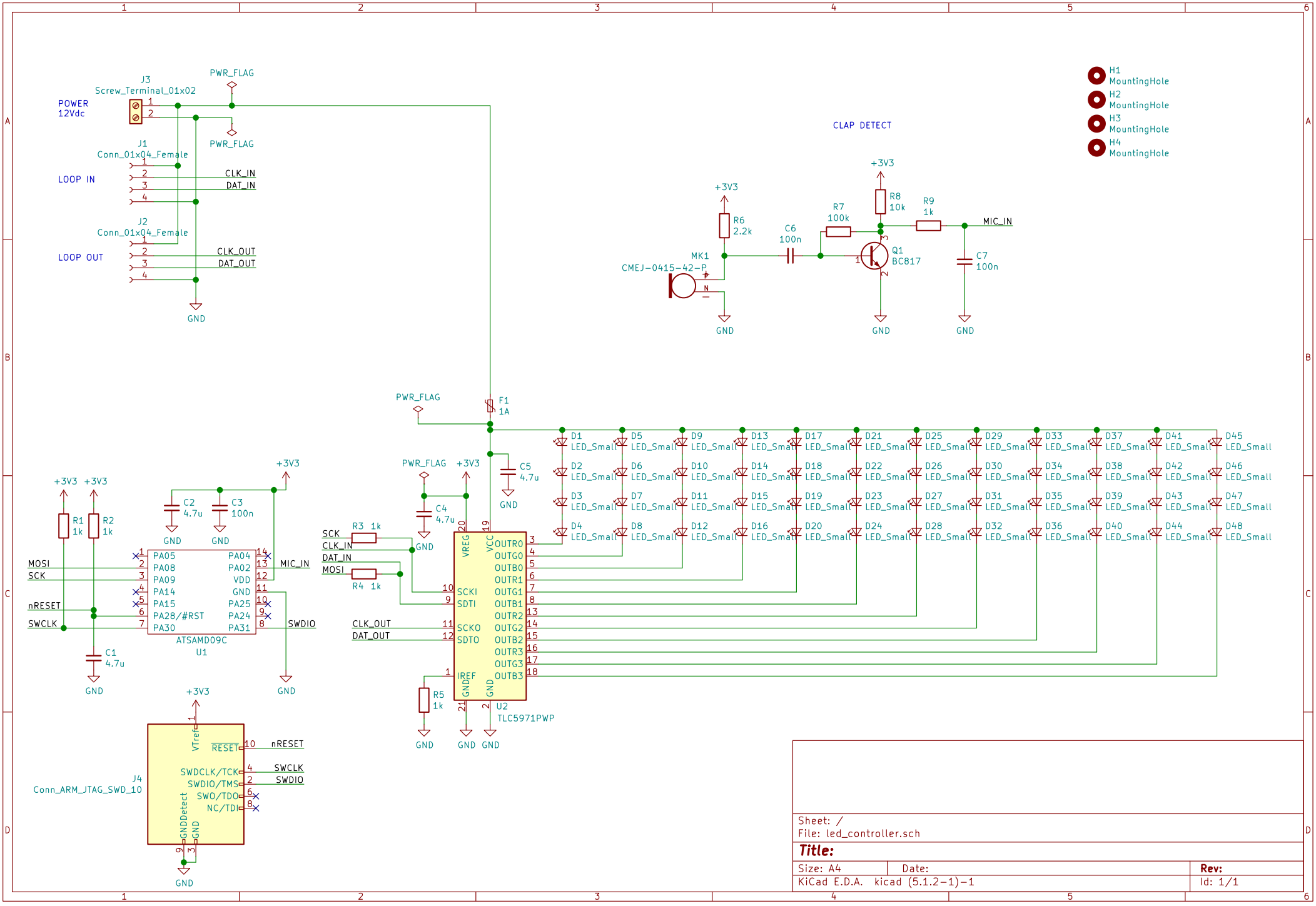
J3
Screw_Terminal_01x02
POWER
12Vdc
PWR_FLAG
J1
Conn_01x04_Female
LOOP IN
CLK_IN
DAT_IN
J2
Conn_01x04_Female
LOOP OUT
CLK_OUT
DAT_OUT
GND
CLAP DETECT
+3V3
R6
2.2k
MK1
CMEJ-0415-42-P
C6
100n
R7
100k
R8
10k
R9
1k
Q1
BC817
MIC_IN
C7
100n
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
F1
1A
C5
4.7u
C4
4.7u
R3 1k
R4 1k
R5
1k
SCK
MOSI
VREG
VCC
SCKI
SDTI
SCKO
SDTO
IREF
GND
OUTR0
OUTG0
OUTB0
OUTR1
OUTG1
OUTB1
OUTR2
OUTG2
OUTB2
OUTR3
OUTG3
OUTB3
U2
TLC5971PWP
D1 LED_Small
D2 LED_Small
D3 LED_Small
D4 LED_Small
D5 LED_Small
D6 LED_Small
D7 LED_Small
D8 LED_Small
D9 LED_Small
D10 LED_Small
D11 LED_Small
D12 LED_Small
D13 LED_Small
D14 LED_Small
D15 LED_Small
D16 LED_Small
D17 LED_Small
D18 LED_Small
D19 LED_Small
D20 LED_Small
D21 LED_Small
D22 LED_Small
D23 LED_Small
D24 LED_Small
D25 LED_Small
D26 LED_Small
D27 LED_Small
D28 LED_Small
D29 LED_Small
D30 LED_Small
D31 LED_Small
D32 LED_Small
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D36 LED_Small
D37 LED_Small
D38 LED_Small
D39 LED_Small
D40 LED_Small
D41 LED_Small
D42 LED_Small
D43 LED_Small
D44 LED_Small
D45 LED_Small
D46 LED_Small
D47 LED_Small
D48 LED_Small
R1
1k
R2
1k
C2
4.7u
C3
100n
C1
4.7u
PA05
PA08
PA09
PA14
PA15
PA28/#RST
PA30
PA04
PA02
VDD
GND
PA25
PA24
PA31
ATSAMD09C
U1
MOSI
SCK
nRESET
SWCLK
SWDIO
J4
Conn_ARM_JTAG_SWD_10
VTref
RESET
SWDCLK/TCK
SWDIO/TMS
SWO/TDO
NC/TDI
GNDDetect
nRESET
SWCLK
SWDIO
Sheet: /
File: led_controller.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.1.2-1)-1
Id: 1/1