

Power

Sheet: Power

File: power.sch

Interfaces

Sheet: Peripherals

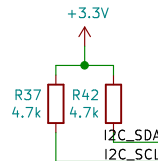
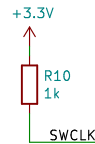
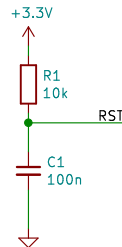
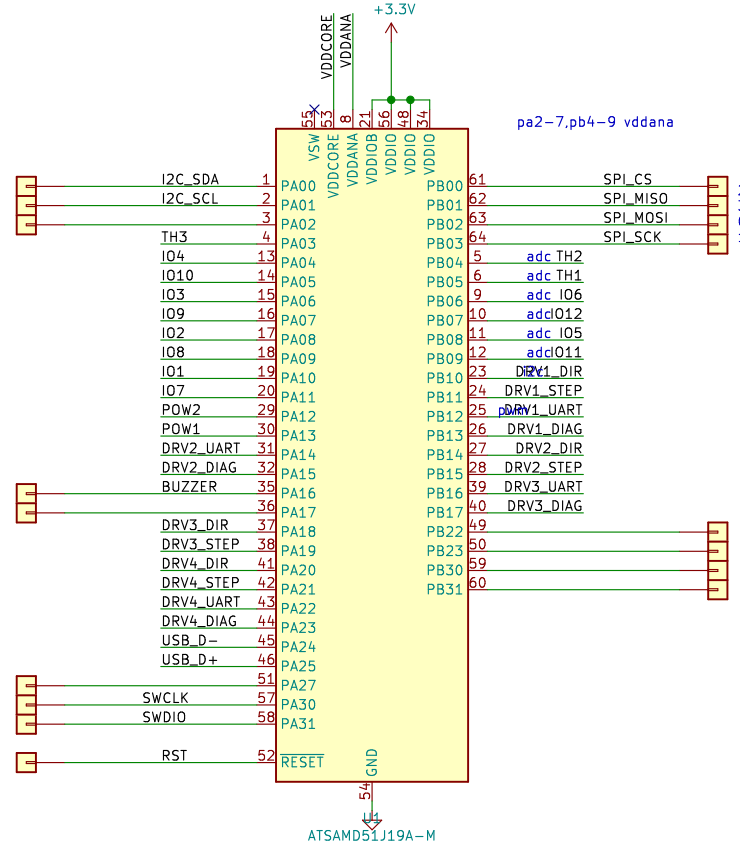
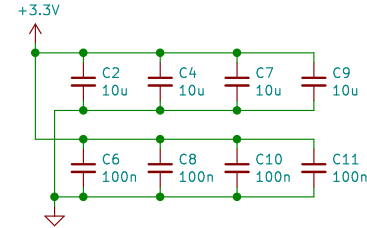
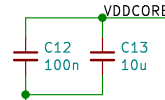
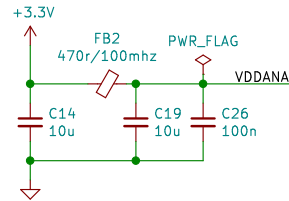
THERMISTOR1D	TH1
THERMISTOR2D	TH2
THERMISTOR3D	TH3
POWER_OUT1<	POW1
POWER_OUT2<	POW2
BUZZER<	BUZZER
USB_D+<	USB_D+
USB_D-<	USB_D-
MAX_SCK<	SPI_SCK
MAX_MISO<	SPI_MISO
MAX_CS<	SPI_CS

File: peripheral.sch

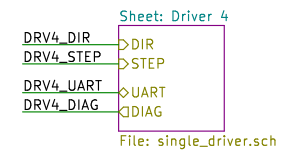
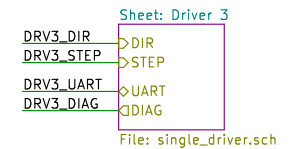
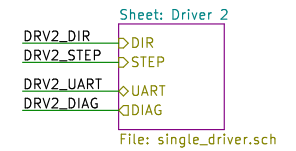
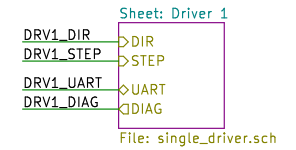
Power Outputs

Sheet: IO7	Sheet: IO1
I07 < IO	IO < IO1
File: io_rev.sch	File: io.sch
Sheet: IO8	Sheet: IO2
I08 < IO	IO < IO2
File: io_rev.sch	File: io.sch
Sheet: IO9	Sheet: IO3
I09 < IO	IO < IO3
File: io_rev.sch	File: io.sch
Sheet: IO10	Sheet: IO4
I010 < IO	IO < IO4
File: io_rev.sch	File: io.sch
Sheet: IO11	Sheet: IO5
I011 < IO	IO < IO5
File: io_rev.sch	File: io.sch
Sheet: IO12	Sheet: IO6
I012 < IO	IO < IO6
File: io_rev.sch	File: io.sch

Processor



Stepper Driver



Sven Wrieden

Sheet: /
File: c3dpb.sch

Title: Kajikia - Main Sheet

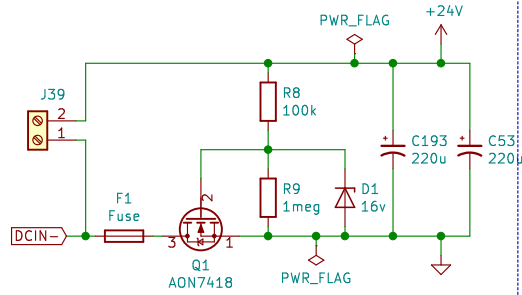
Size: A4
KiCad E.D.A. kicad (5.1.5)-3

Date: 2020-02-15

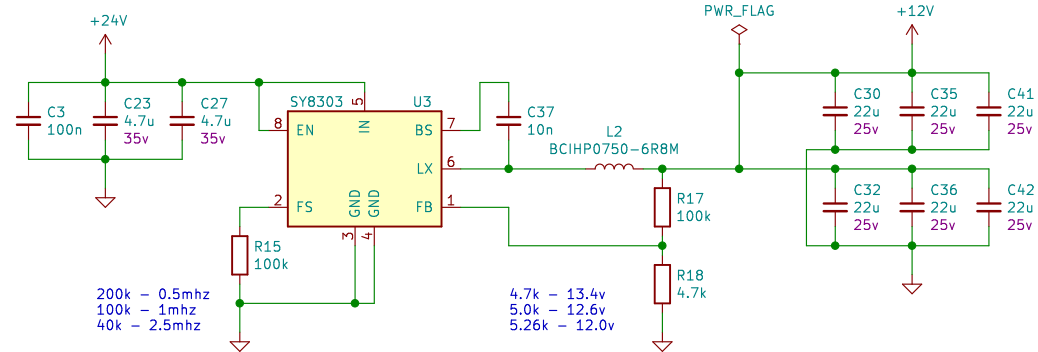
Rev: 1.1

Id: 1/19

DC Input



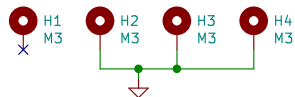
12V Regulator



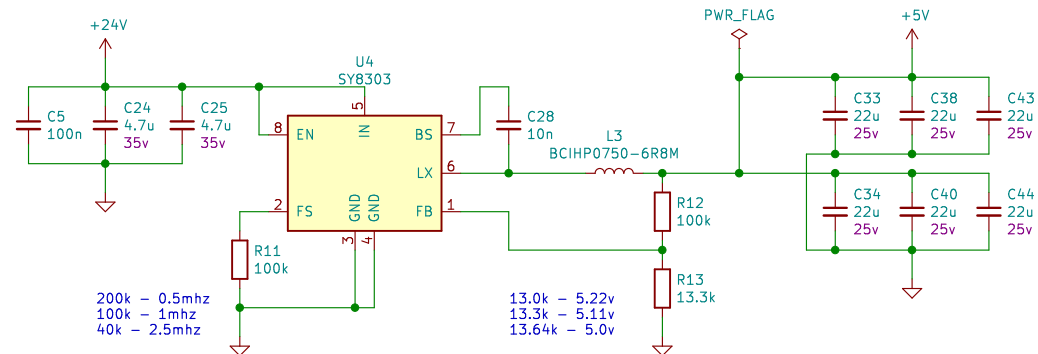
Power Pins



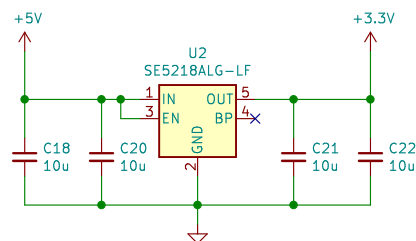
Mounting Holes



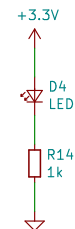
5V Regulator



3.3V Regulator



Power LED



Sven Wrieden

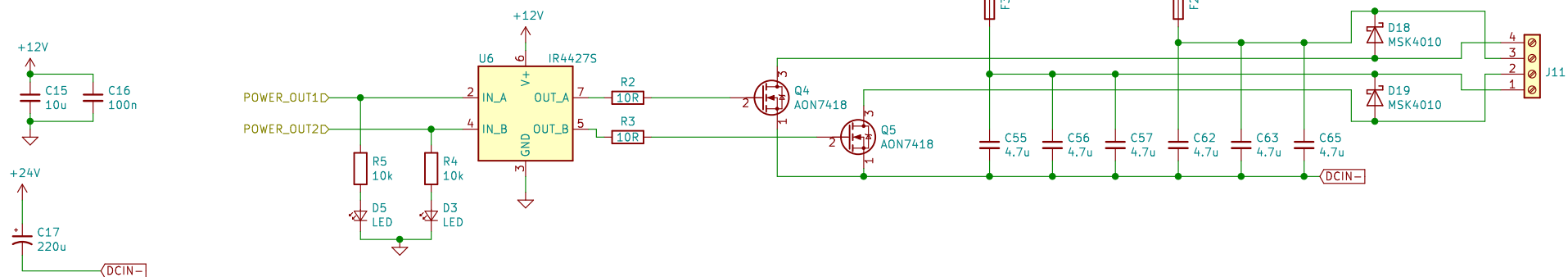
Sheet: /Power/
File: power.sch

Title: Kajikia - Power Sheet

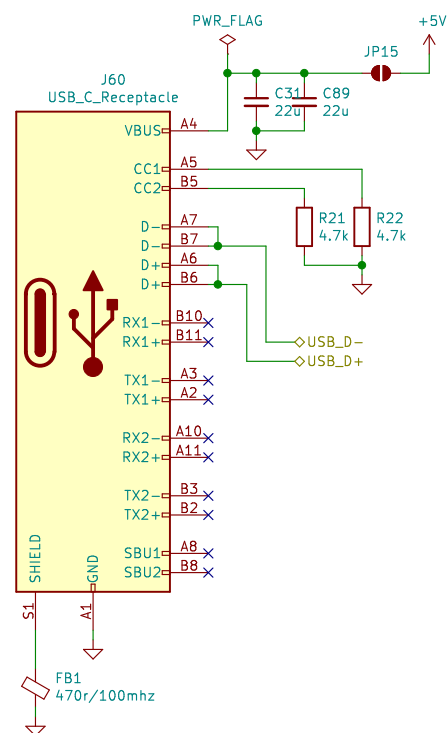
Size: A4 Date: 2020-02-15
KiCad E.D.A. kicad (5.1.5)-3

Rev: 1.1
Id: 2/19

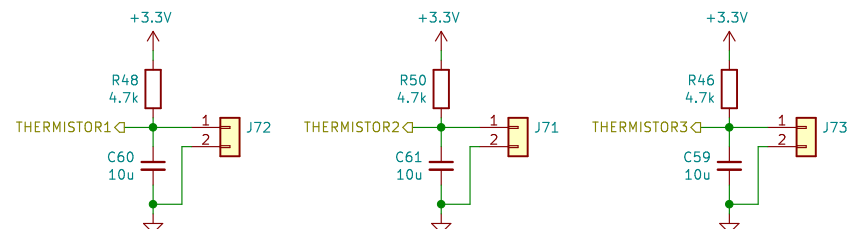
High Power Outputs



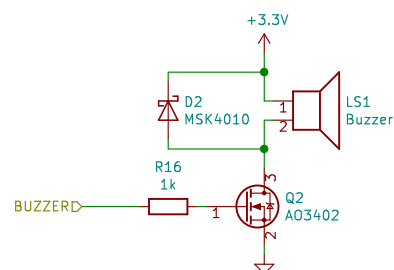
USB



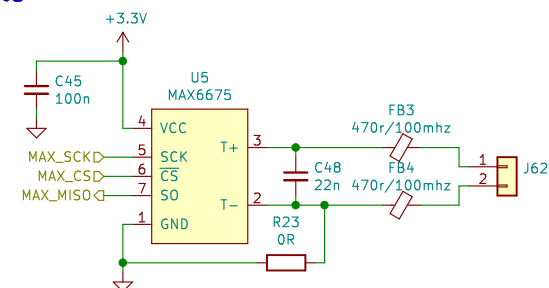
Thermistors



Buzzer



Thermocouple



Sven Wrieden

Sheet: /Peripherals/

File: peripheral.sch

Title: Kajikia – Interfaces

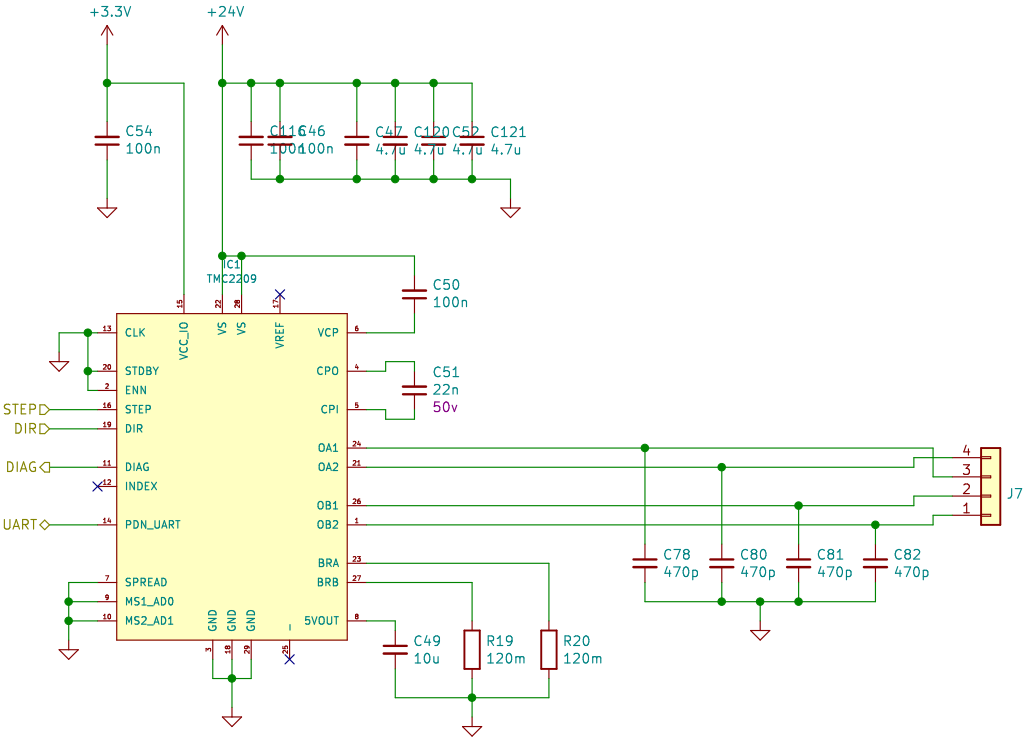
Size: A4	Date: 2020-02-15
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Size: A4	Date: 2020
KiCad E.D.A.	kicad (5.1.5)-3

Rev: 1.1

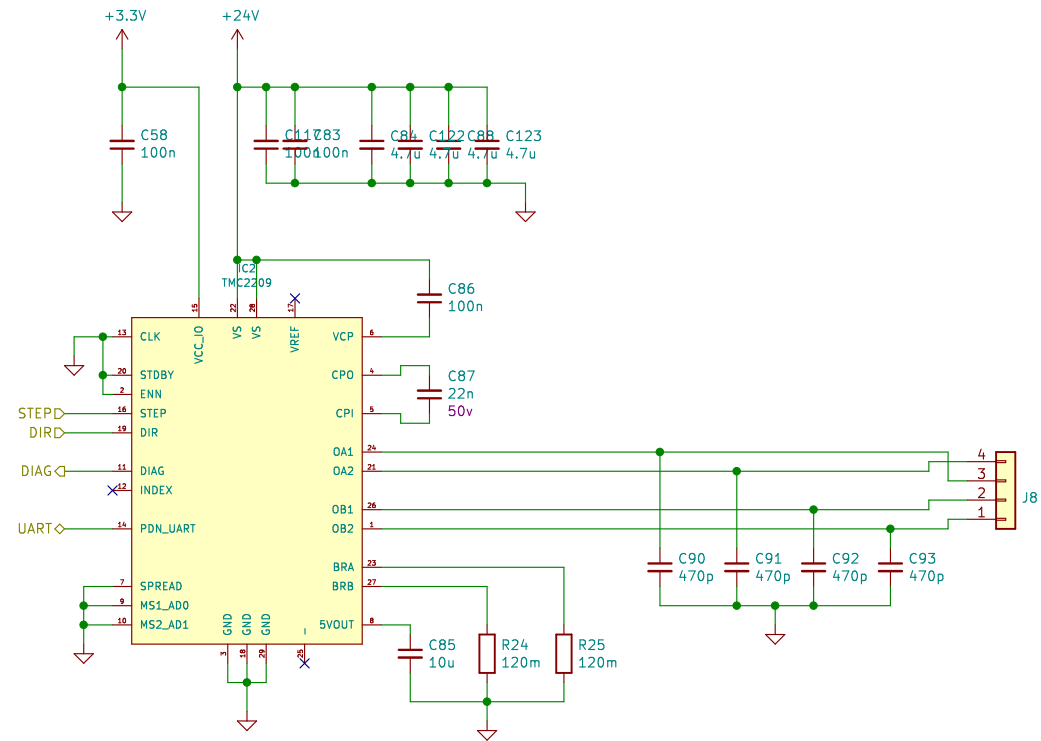
Id: 3/19

Stepper Driver



Sven Wrieden		
Sheet: /Driver 1/		
File: single_driver.sch		
Title: Kajikia – Stepper Driver		
Size: A4	Date: 2020-02-15	Rev: 1.1
KiCad E.D.A. kicad (5.1.5)-3		Id: 4/19

Stepper Driver



Sven Wrieden

Sheet: /Driver 2/

File: single_driver.sch

Title: Kajikia – Stepper Driver

Size: A4

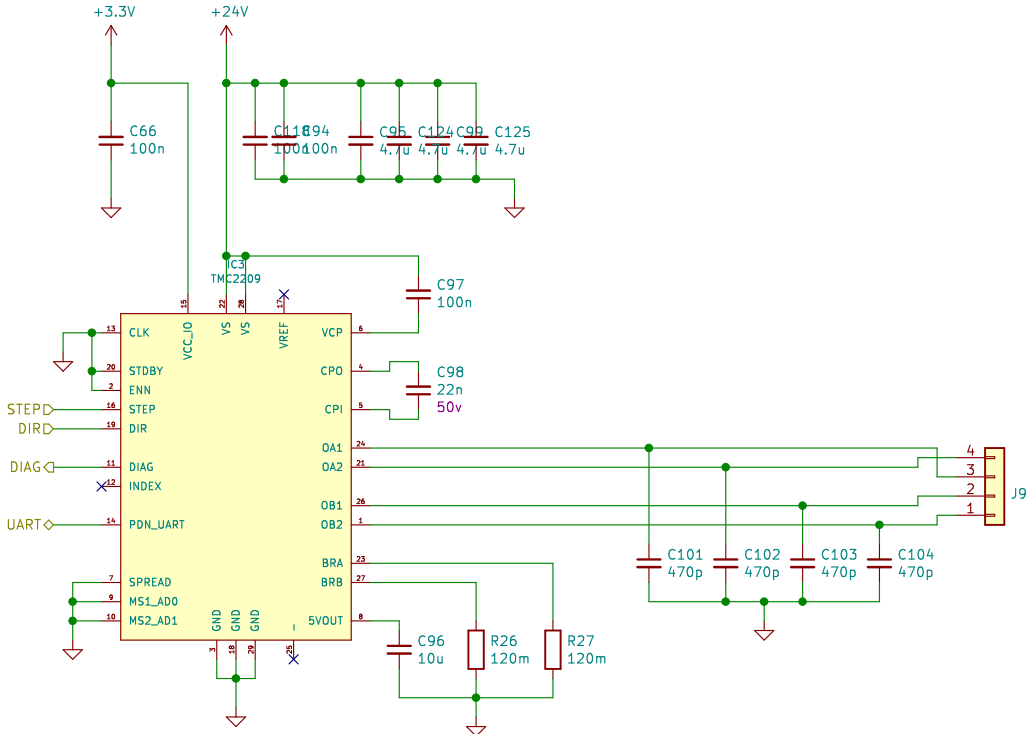
Date: 2020-02-15

Rev: 1.1

KiCad E.D.A. kicad (5.1.5)-3

Id: 5/19

Stepper Driver

**Sven Wrieden**

Sheet: /Driver 3/
File: single_driver.sch

Title: Kajikia – Stepper Driver

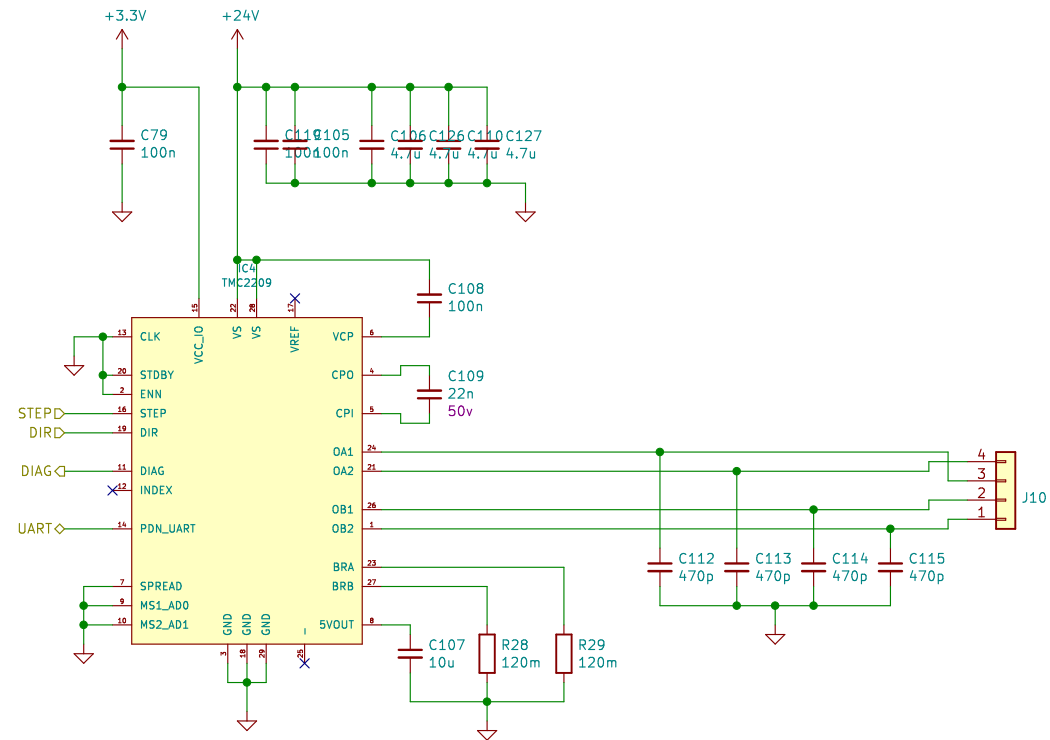
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KiCad E.D.A. kicad (5.1.5)–3

Rev: 1.1

Id: 6/19

Stepper Driver



Sven Wrieden

Sheet: /Driver 4/
File: single_driver.sch

Title: Kajikia – Stepper Driver

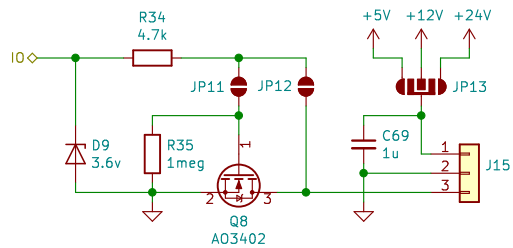
Size: A4 Date: 2020-02-15
KiCad E.D.A. kicad (5.1.5)-3

Rev: 1.1
Id: 7/19

Id: 8/19

Id: 9/19

Id: 10/19



Sven Wrieden

Sheet: /IO4/

File: io.sch

Title:

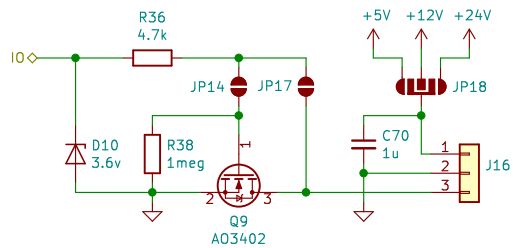
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Date: 2020-02-15

Rev: 1.1

KiCad E.D.A. kicad (5.1.5)-3

Id: 11/19



Sven Wrieden

Sheet: /IO5/

File: io.sch

Title:

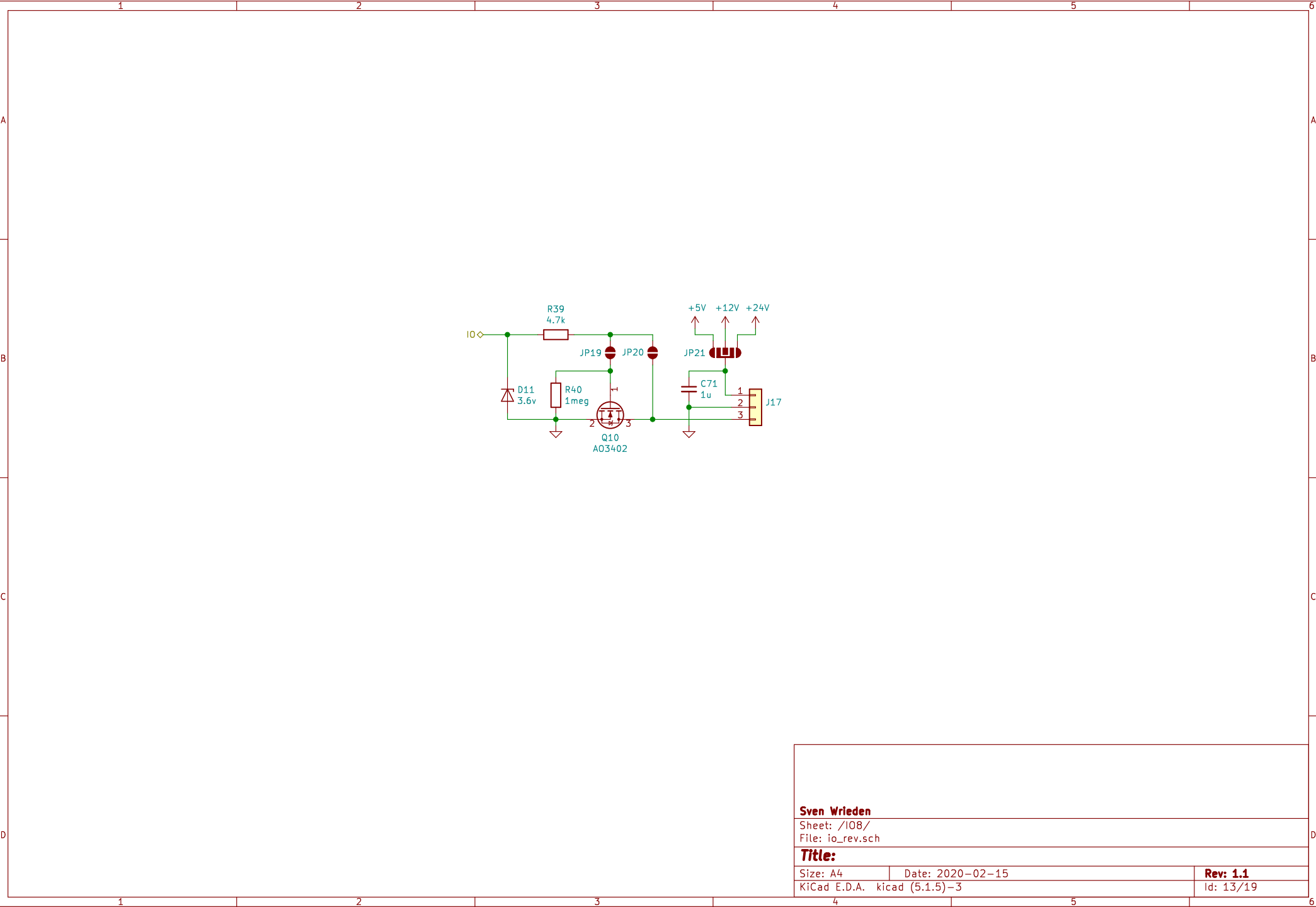
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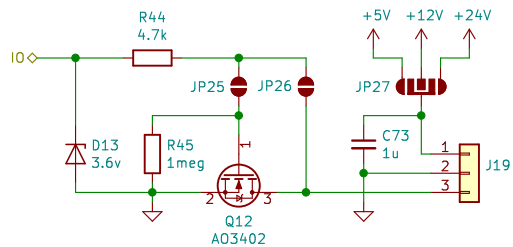
Rev: 1.1

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Id: 12/19



Id: 14/19



Sven Wrieden

Sheet: /IO10/

File: io_rev.sch

Title:

Size: A4

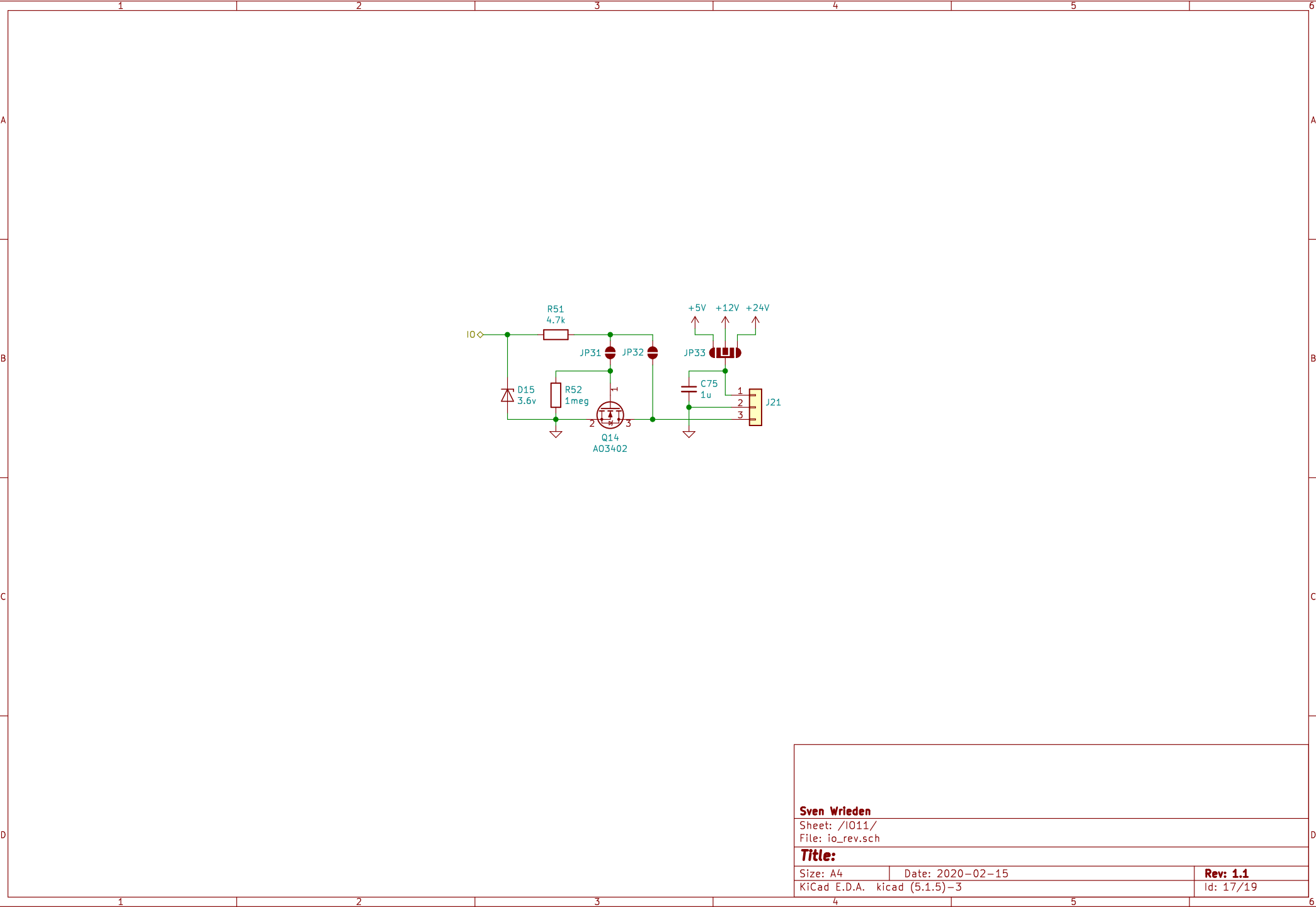
Date: 2020-02-15

Rev: 1.1

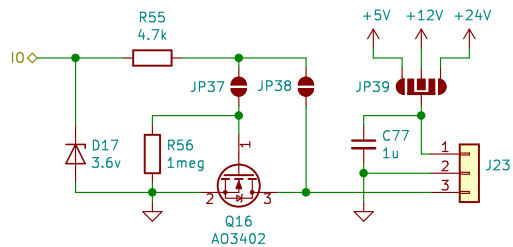
KiCad E.D.A. kicad (5.1.5)-3

Id: 15/19

Id: 16/19



Id: 18/19



Sven Wrieden

Sheet: /IO7/

File: io_rev.sch

Title:

Size: A4

Date: 2020-02-15

Rev: 1.1

KiCad E.D.A. kicad (5.1.5)-3

Id: 19/19