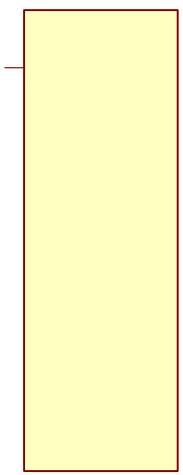
File: dac.kicad_sch

zasilanie

File: zasilanie.kicad_sch



AIN_0P

16

AIN_0GND

17

AIN_1P

AIN_1GND

AIN_2P

AIN_2GND

AIN_3P

AIN_3GND

AIN_4P

AIN_4GND

AIN_5P

AIN_5GND

AIN_6P

AIN_6GND

AIN_7P

AIN_7GND

15

AUX_IN

10

AUX_GND

AVDD

AGND

8

AVDD

DVDD

DGND

SDO

SDI

$$\frac{1}{}$$

SCLK

$\overline{cs}$

DAISY

RST/PD

2

REFSEL

4

REFCAP

REFIO

5

REFGND

6

U7

ADS8688

GND

R1

10k

GND

GNDA

1M

SIG

GND

SHIELD

+VSENS

J15

Signal_connector

SIG

GND

SHIELD

+VSENS

4

J16

Signal_connector

SIG

GND

SHIELD

+VSENS

1

4

J14

Signal_connector

SIG

GND

SHIELD

+VSENS

4

J17

Signal_connector

GND

C11

10nF

+24V

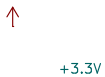
C10

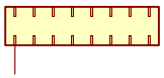
10uF

C9

1uF

GND


+3.3V


+5V

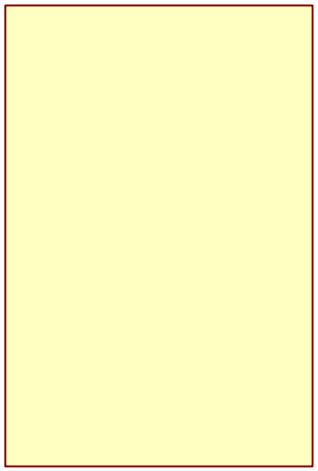
1

J18

Conn_02x08_Odd_Even

GND

+3.3V



SPI2 NSS

SPI2 NSS

SPI5_SCK

SPI2 MOSI

SPI2_MISO

SPI2 MOSI

SPI2 MISO

SPI2 SCK

SPI5_SCK

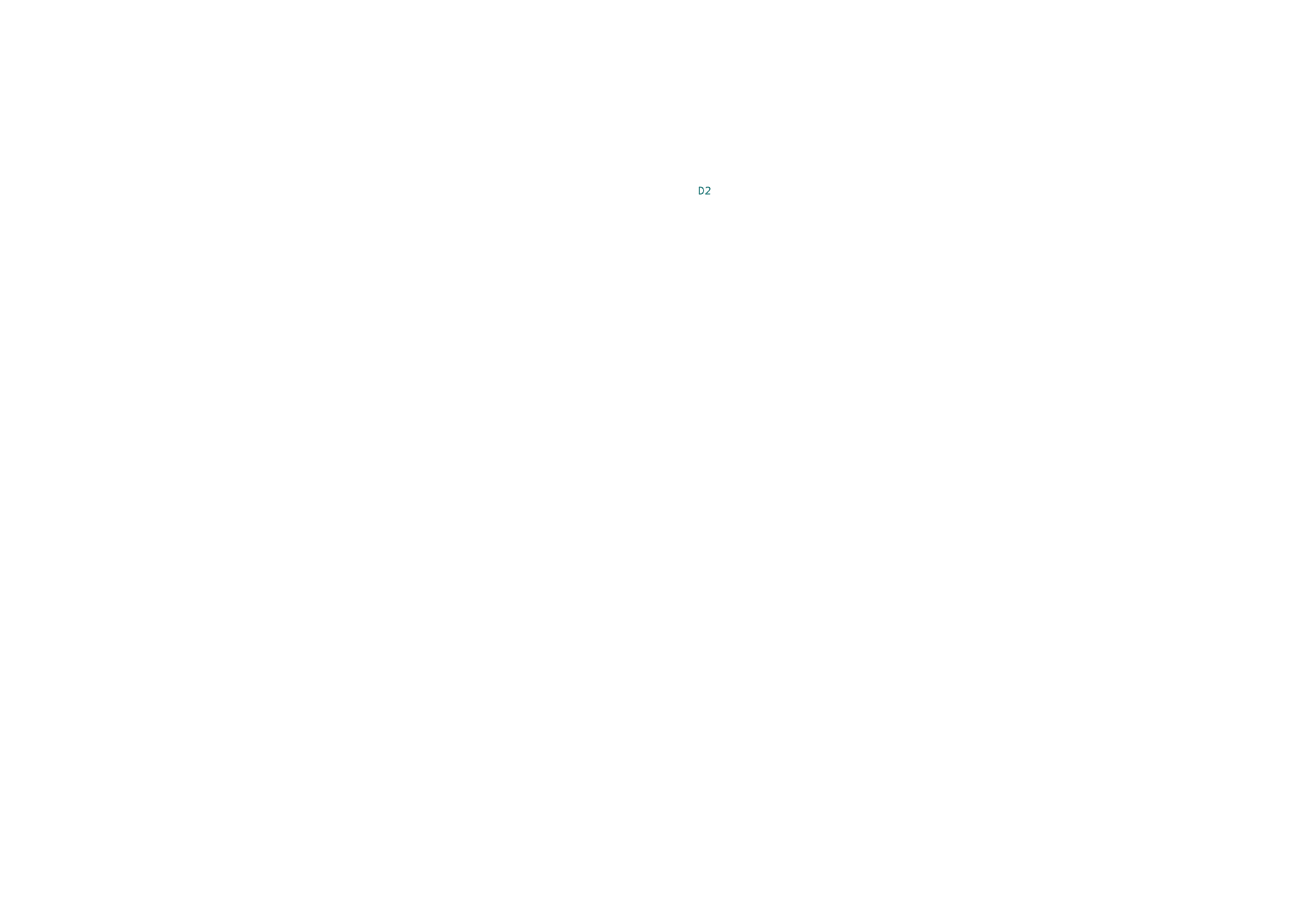
SPI5 NSS

SPI5_MOSI

SPI5_MISO

D0/S6RX

D1/S6TX


D2

D3

D4

D5

D6

D7

D8

D9

D10

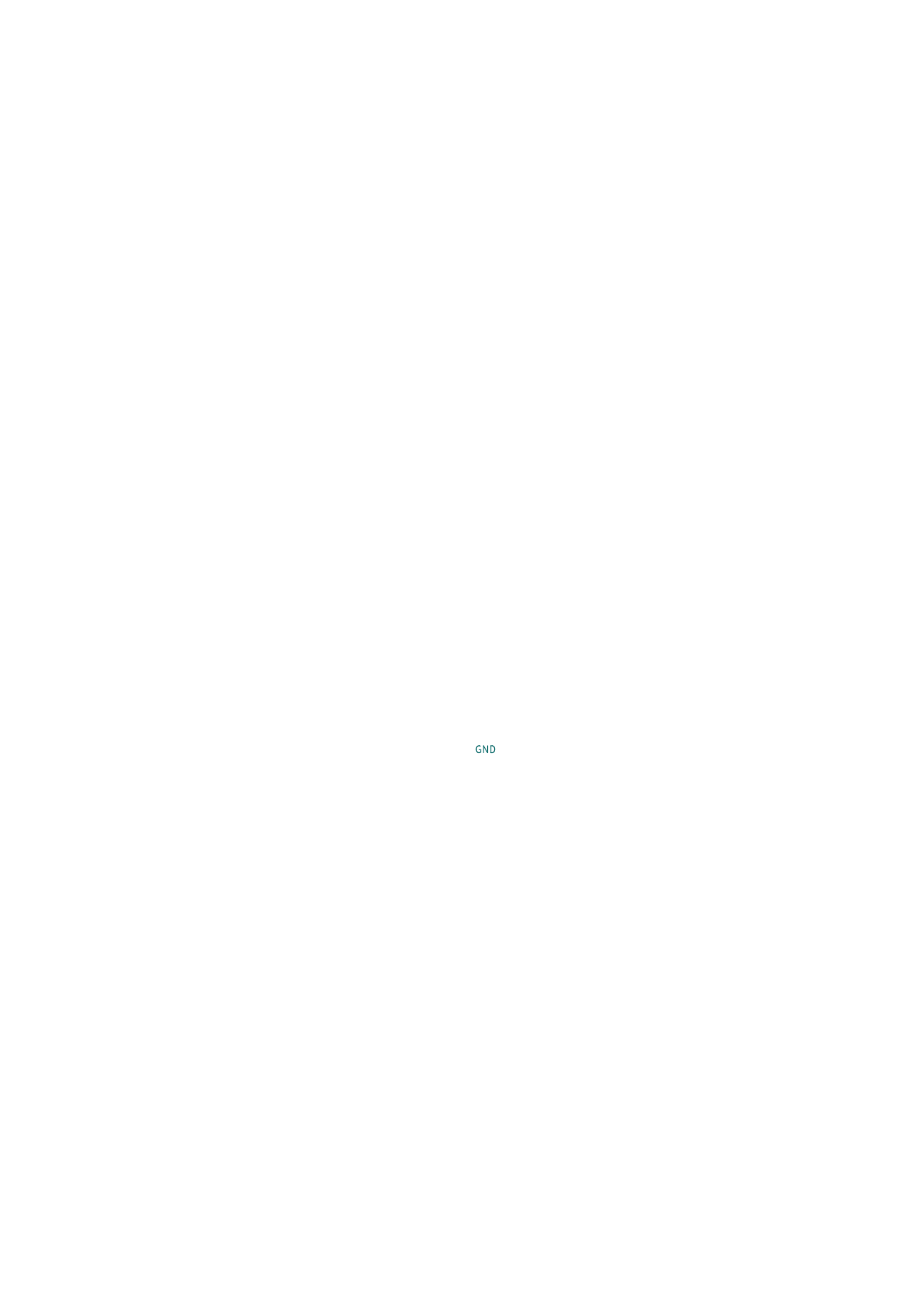
D11

D12

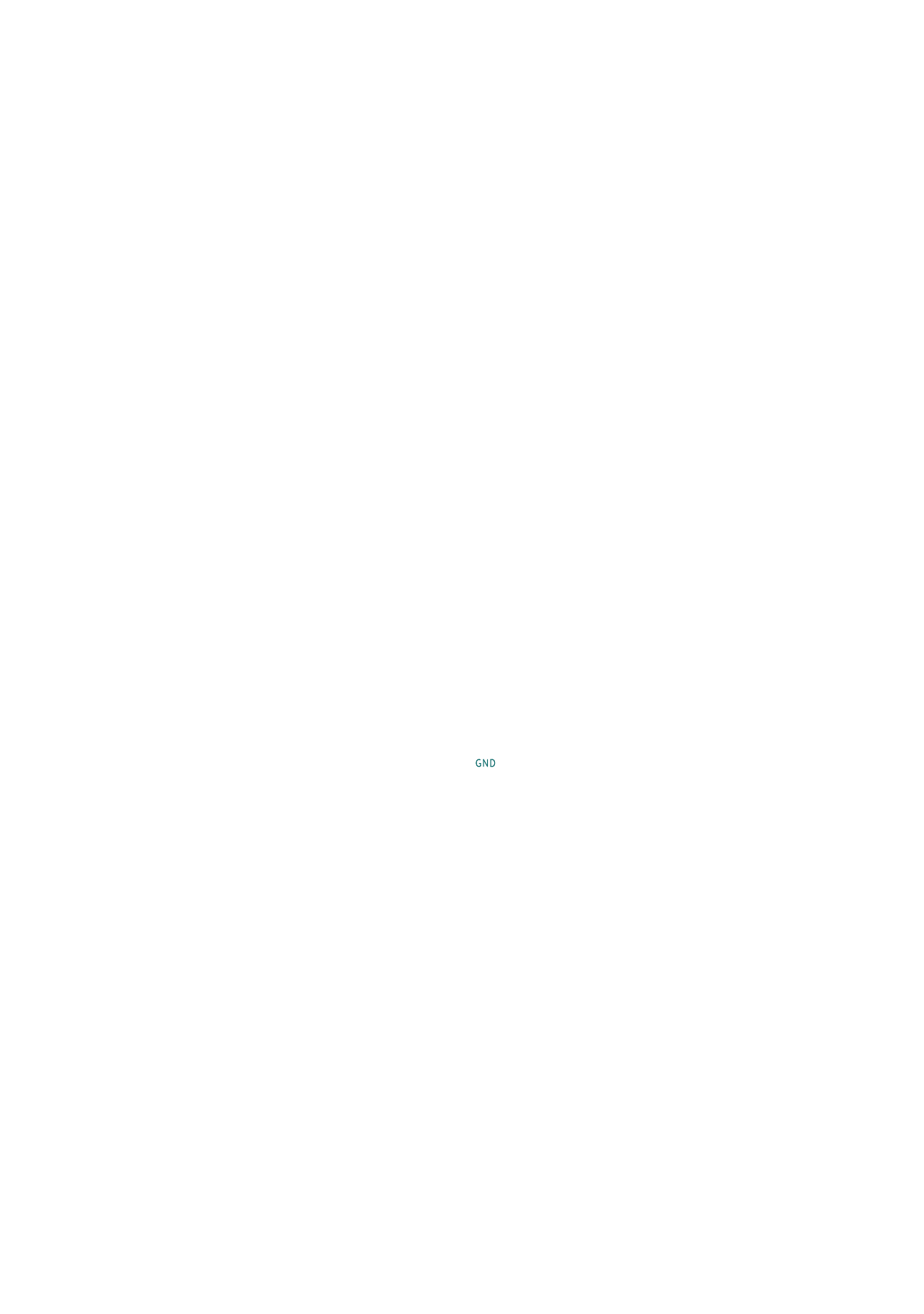
D13

VIN

GND


GND

3V3


GND

+5V

RESET

IOREF

2

AREF

A0

A1

A2

A3

A4/S7TX

A5/S7RX

SDA/A4

SCL/A5

A1

STM32F746NG DISCO

C13

10uF

SIG

GND

SHIELD

+VSENS

1

4

J2

Signal_connector

SIG

GND

SHIELD

+VSENS

4

J5

Signal_connector

C11X7R1

10uF

SIG

GND

SHIELD

+VSENS

1

4

J3

Signal_connector

C12

1uF

SIG

GND

SHIELD

+VSENS

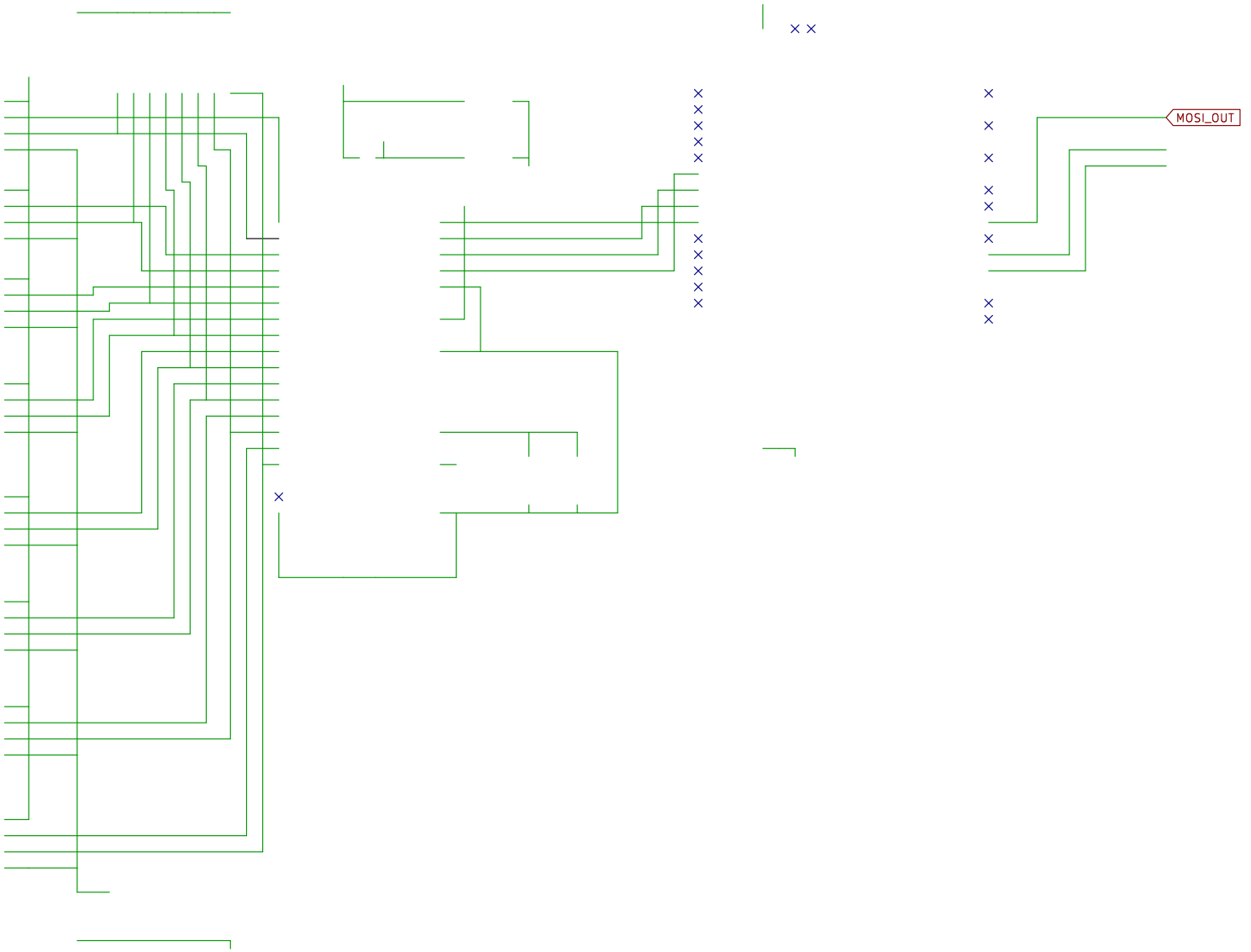
4

J4

Signal_connector

SCK_OUT

NSS_OUT


MOSI_OUT

J4

Signal_connector

4

J3

Signal_connector

1

4

J2

Signal_connector

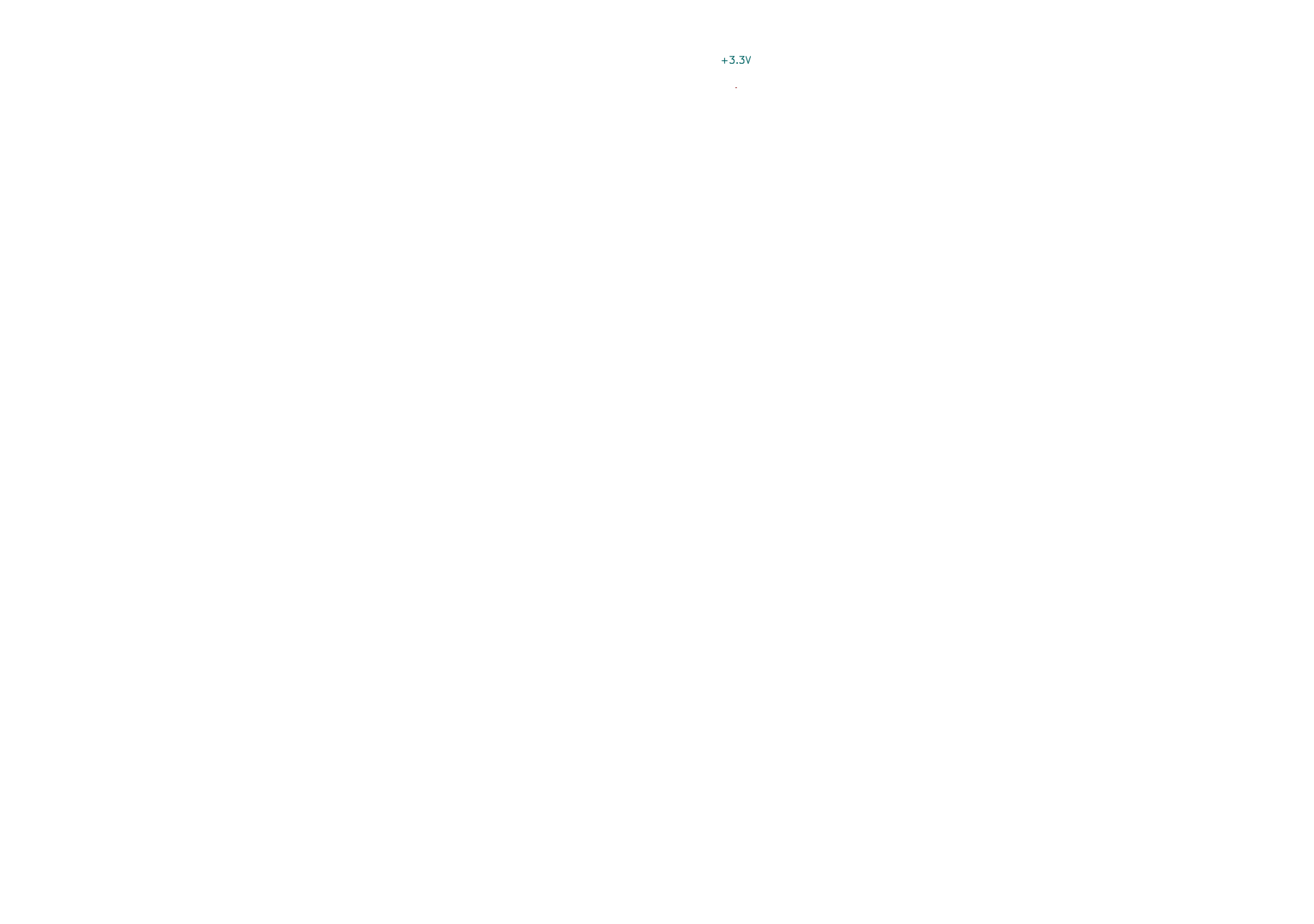
1

4

C10

10uF

+5V

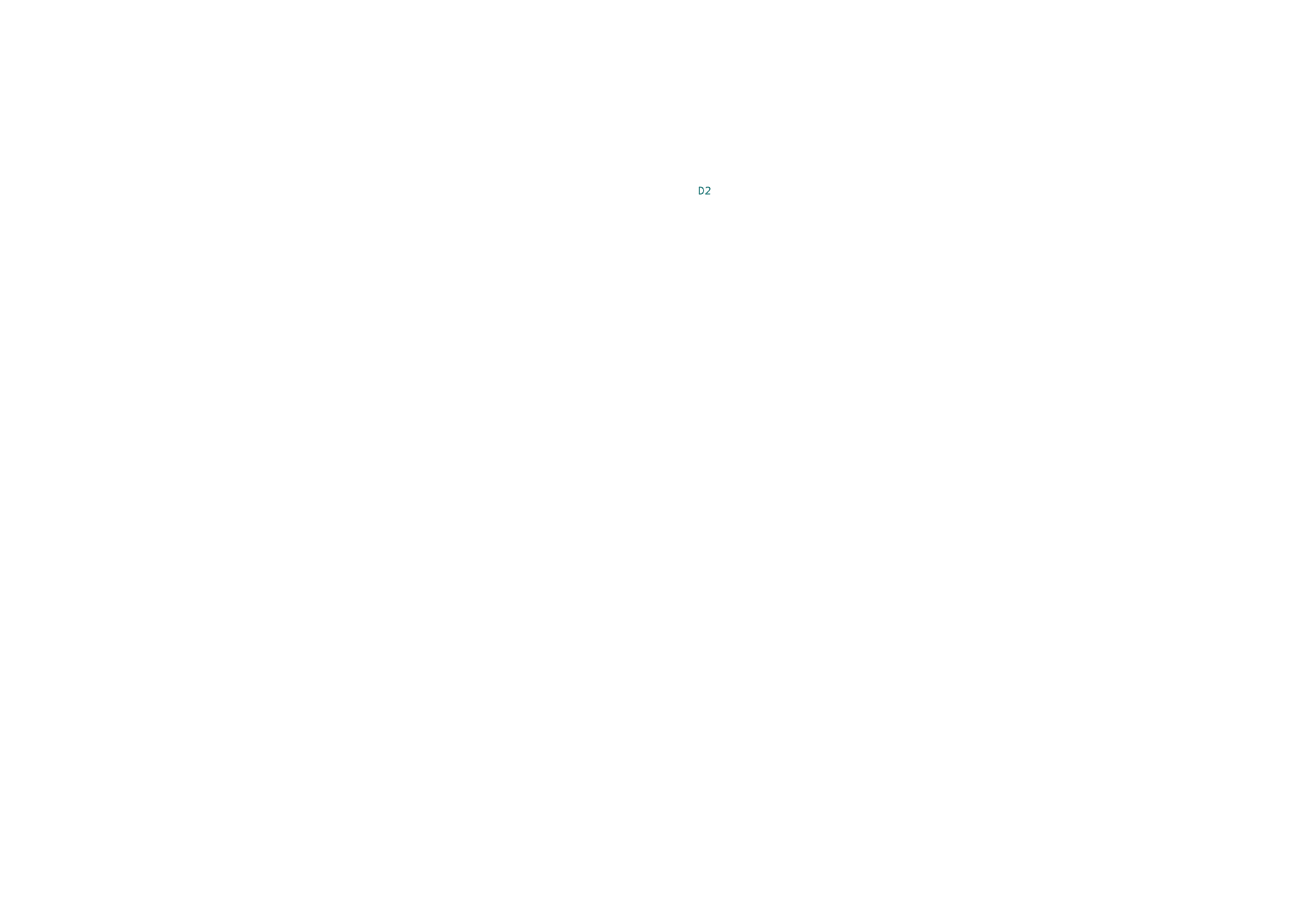

+3.3V

A1

STM32F746NG DISCO

D0/S6RX

D1/S6TX


D2

D3

D4

D5

D6

D7

D8

D9

D10

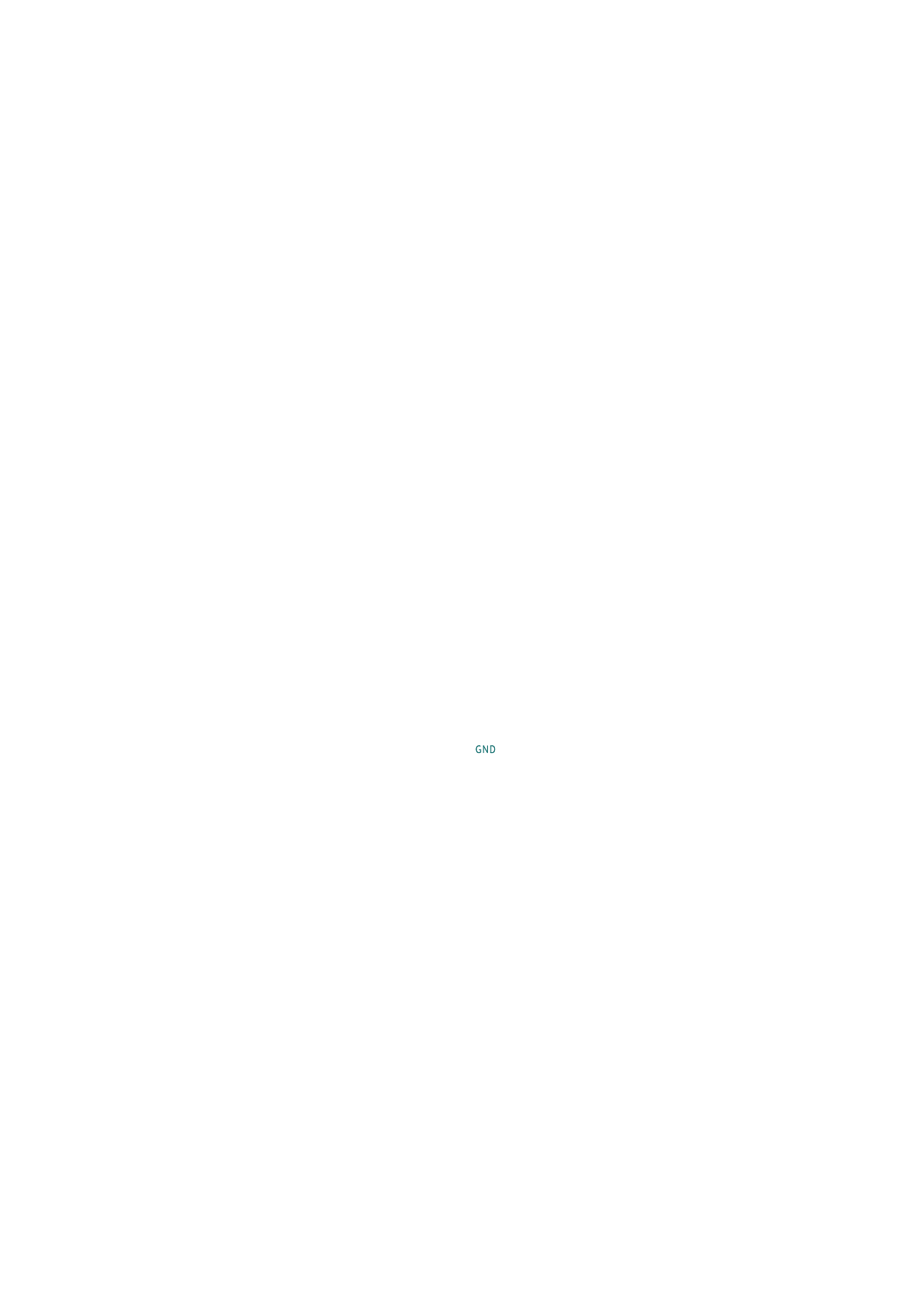
D11

D12

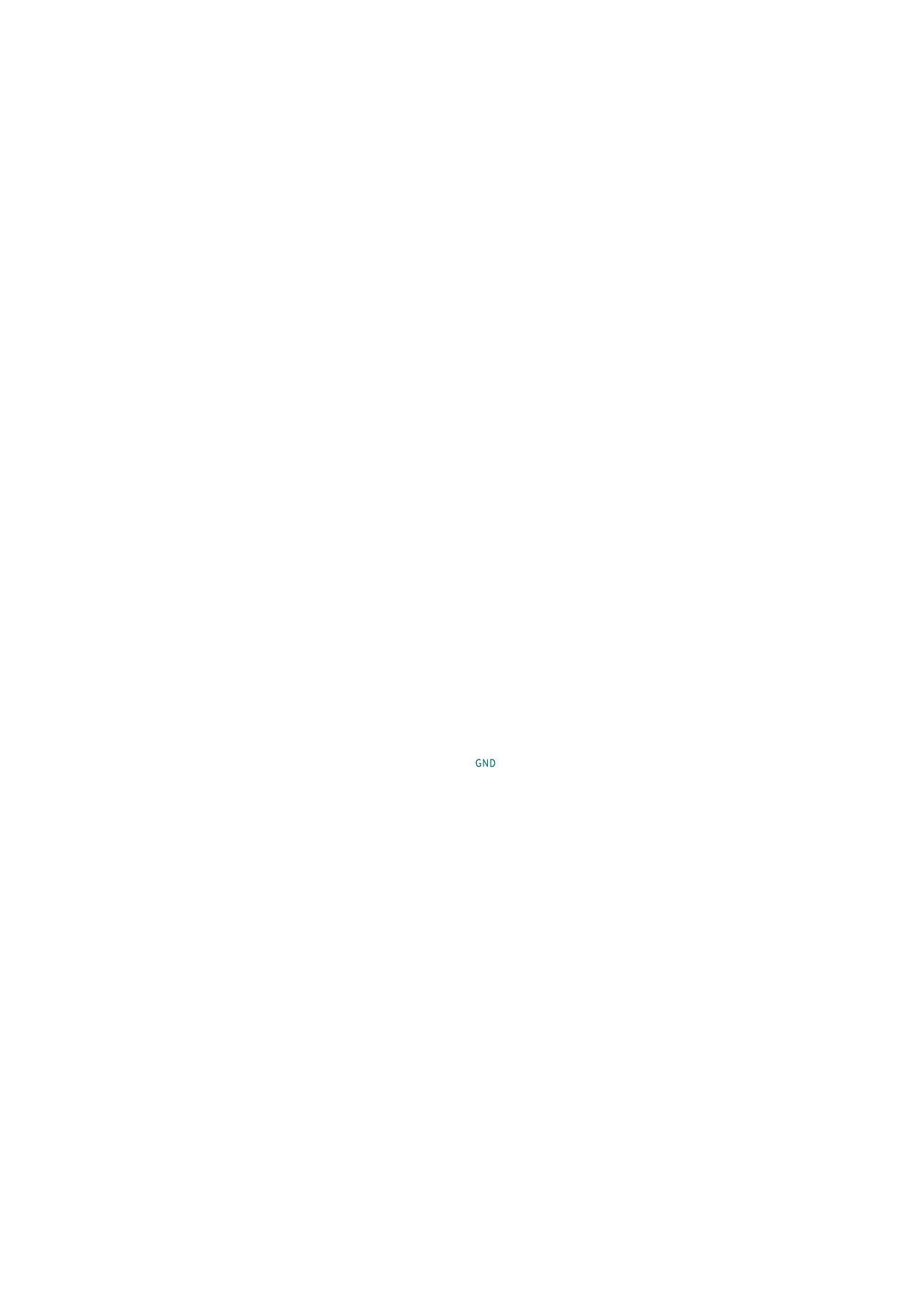
D13

VIN

GND


GND

3V3


GND

+5V

RESET

IOREF

2

AREF

A0

A1

A2

A3

A4/S7TX

A5/S7RX

SDA/A4

SCL/A5

J18

Conn_02x08_Odd_Even

1

GND

R1

10k

U7

ADS8688

AIN_0P

16

AIN_0GND

17

AIN_1P

AIN_1GND

AIN_2P

AIN_2GND

AIN_3P

AIN_3GND

AIN_4P

AIN_4GND

AIN_5P

AIN_5GND

AIN_6P

AIN_6GND

AIN_7P

AIN_7GND

15

AUX_IN

10

AUX_GND

AVDD

AGND

8

AVDD

DVDD

DGND

SDO

SDI

$$\frac{1}{}$$

SCLK

$\overline{cs}$

DAISY

RST/PD

2

REFSEL

4

REFCAP

REFIO

5

REFGND

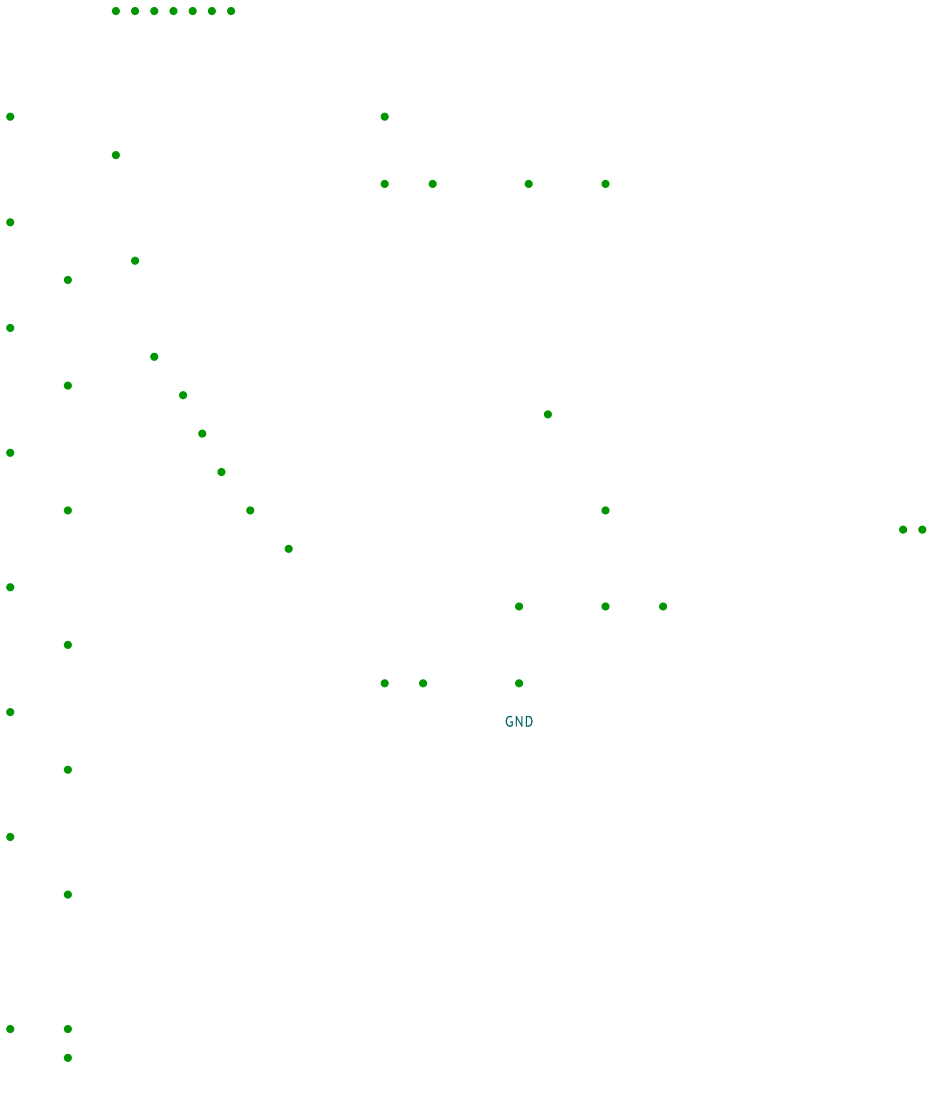
6

C11X7R1

10uF

C12

1uF


GND