

NUCLEO-C071RB

MB2046

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HW1

STICKER PRODUCT

Sticker product

HW2

Sticker board

STICKER BOARD

HW5

PCB

MB2046

U_TOP

TOP.SchDoc

Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.

△ Notes to generate the
board layout.

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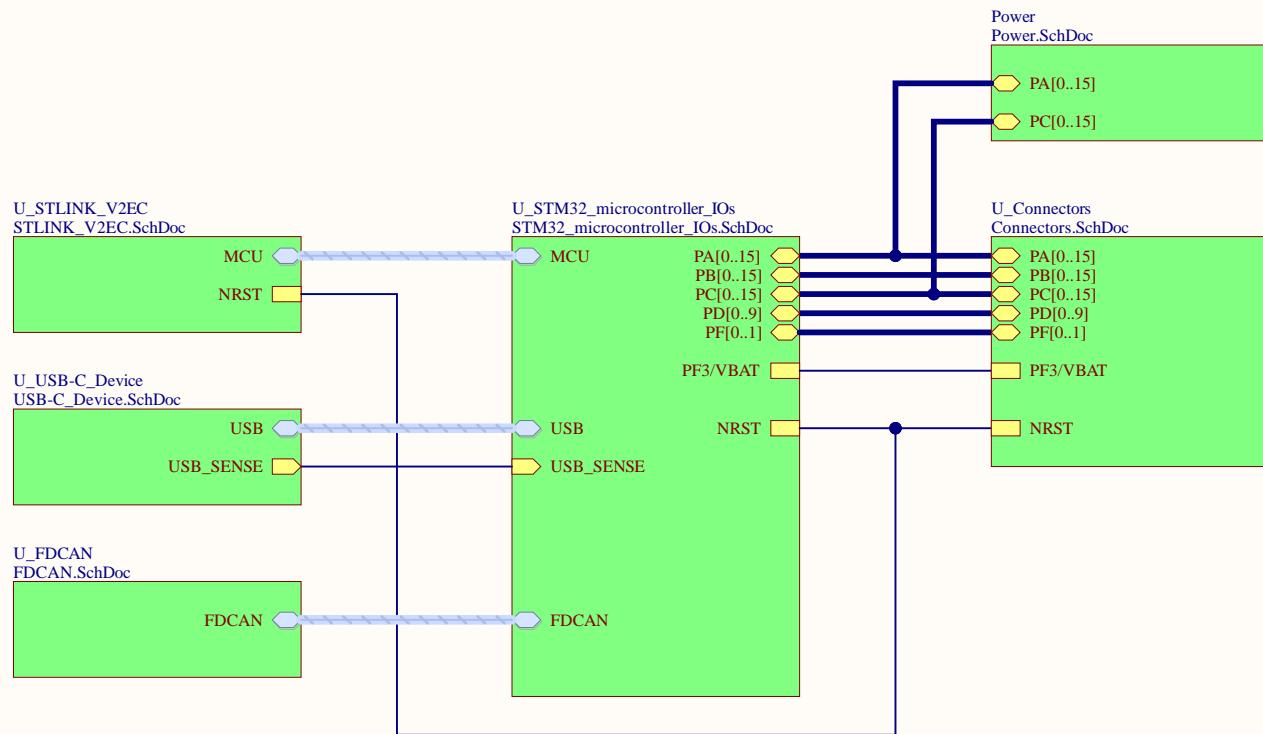
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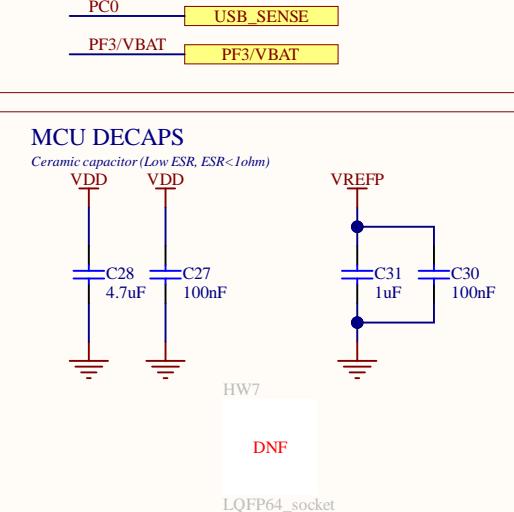
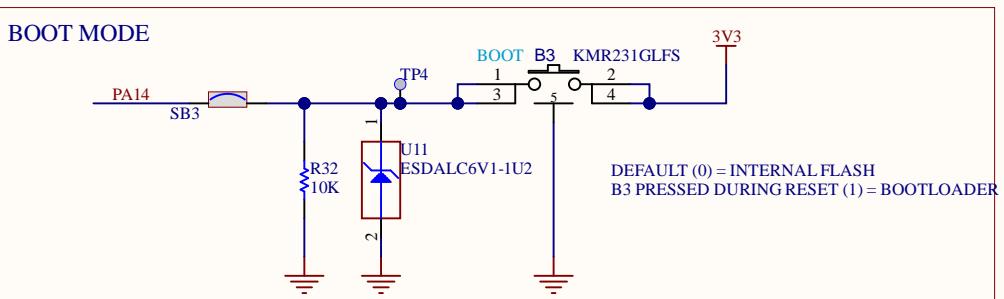
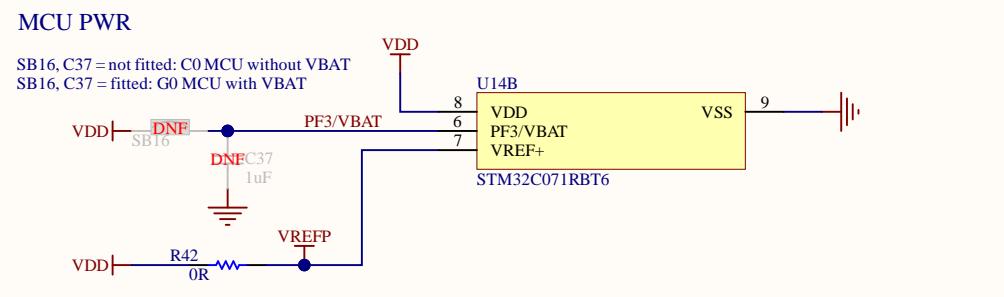
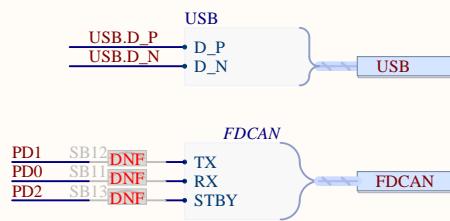
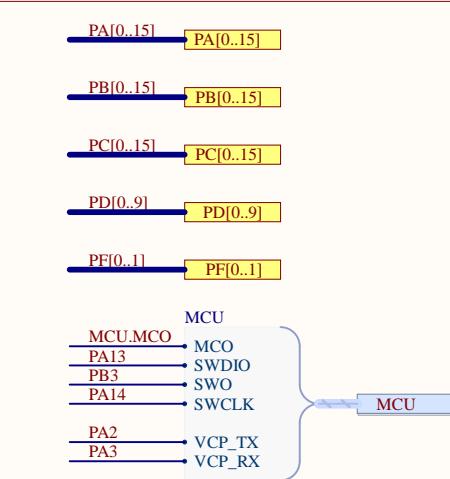
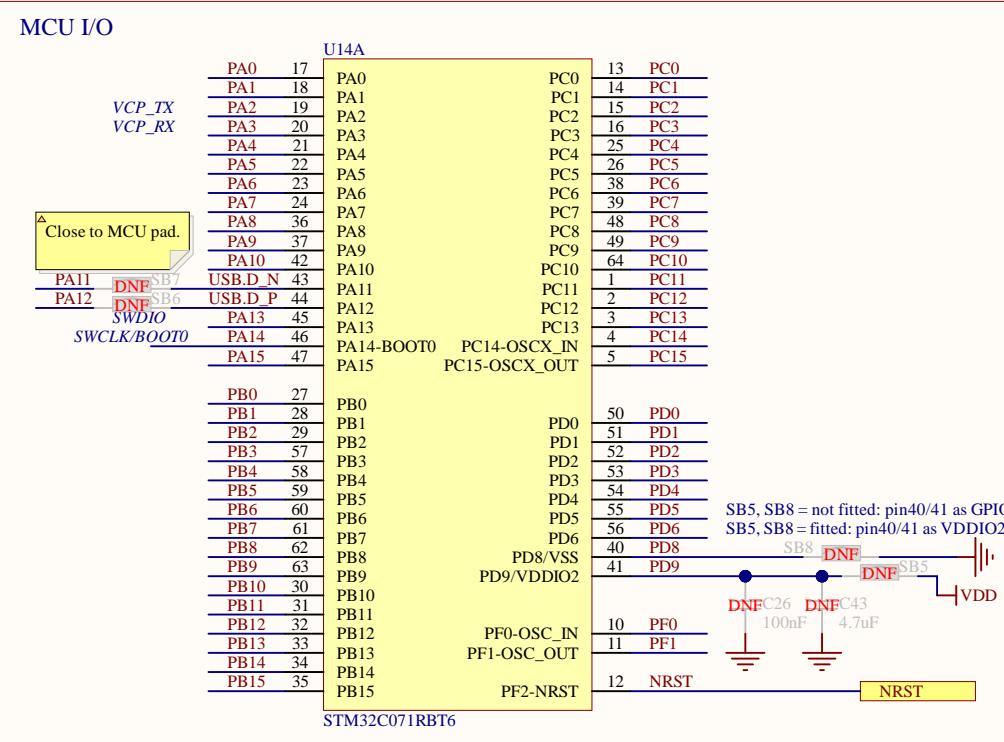
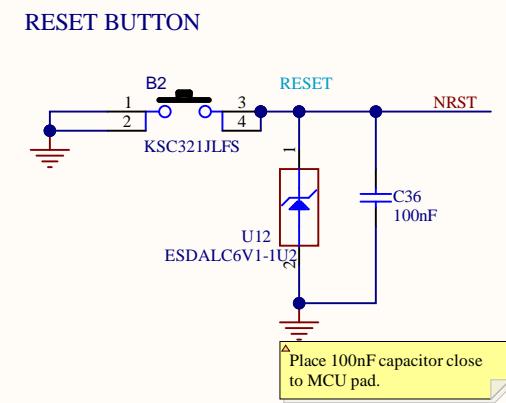
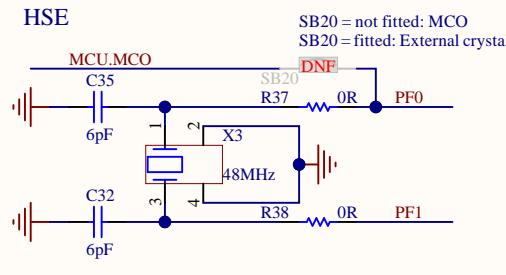
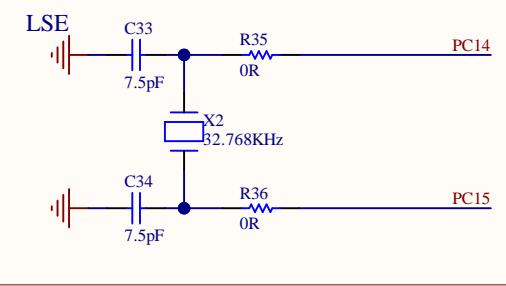
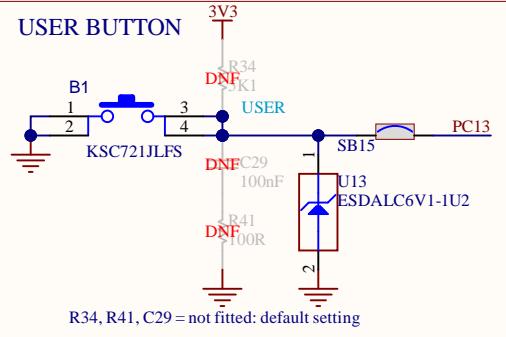
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Title:	Project overview
Project:	NUCLEO
Variant:	C071RB
Revision:	B-03
Date:	30-MAR-2024
Size:	A4
Reference:	MB2046
Sheet:	1 of 8

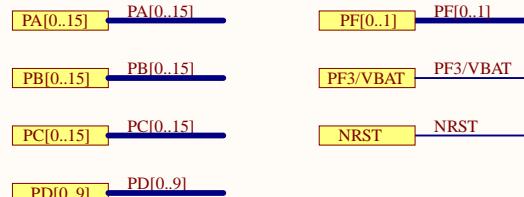




(FID)
 HW9 HW10
 (FID)
 HW16 HW17

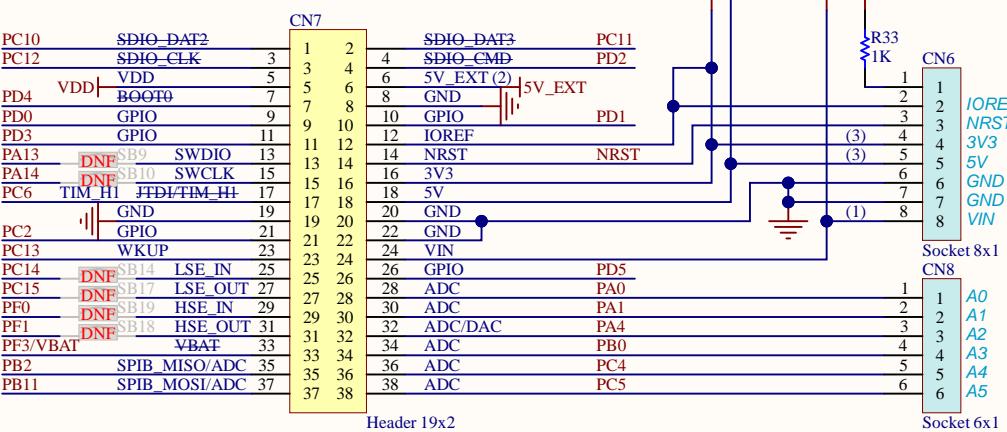


CONNECTORS



COLOR LEGEND
 MORPHO SPECIFICATION
 ARDUINO SPECIFICATION
 STM32 ALTERNATE FUNCTION
 STM32 IO PORT
 FUNCTION NOT AVAILABLE

ST MORPHO CONNECTOR LEFT SIDE



ARDUINO V3

Operating range: 3V < VCC < 3.6V

5V

VIN

5V

R33

1K

5V

3V3

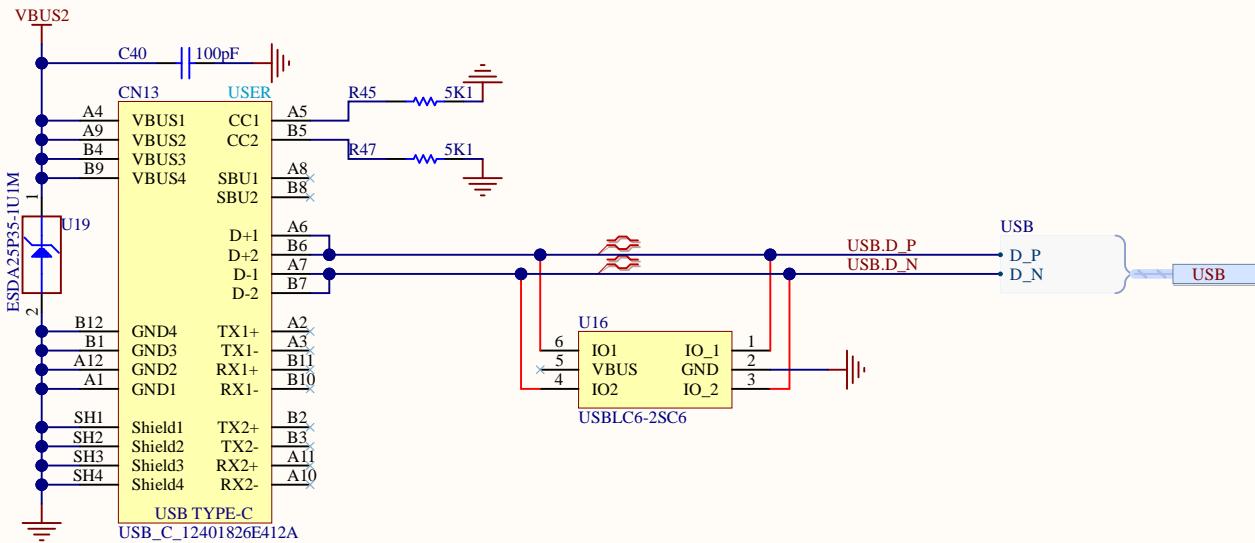
GND

5V

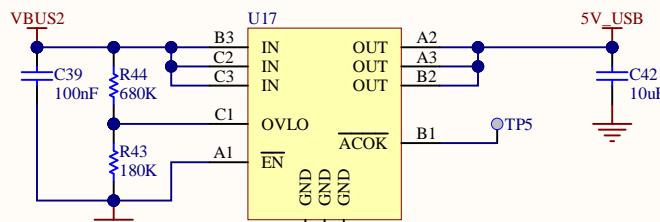
GND

VIN

USER USB

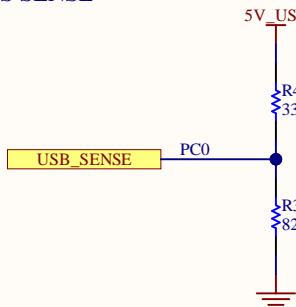


VBUS OVP



$$Vo = (680 + 180) / 180 * 1.2 = 5.73V$$

VBUS SENSE



Title: **USB-C Device**

Project: **NUCLEO**

Variant: **C071RB**

Revision: **B-03**

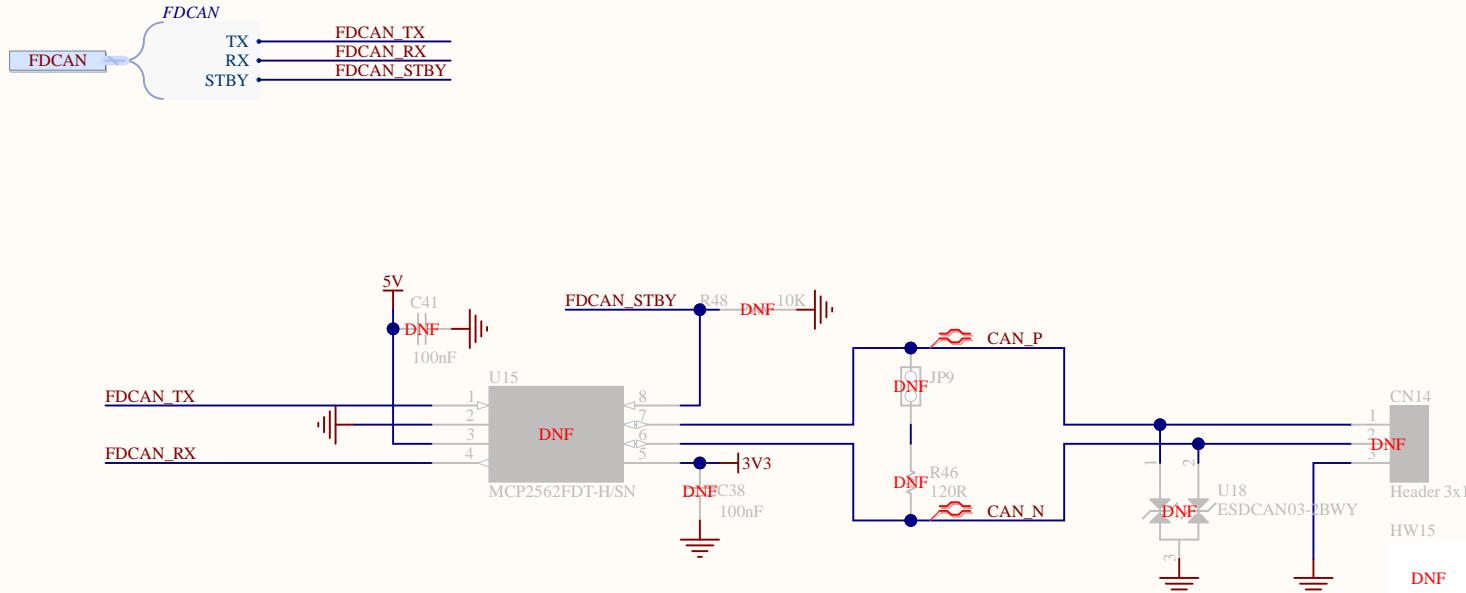
Size: **A4**

Date: **30-MAR-2024**

Reference: **MB2046**



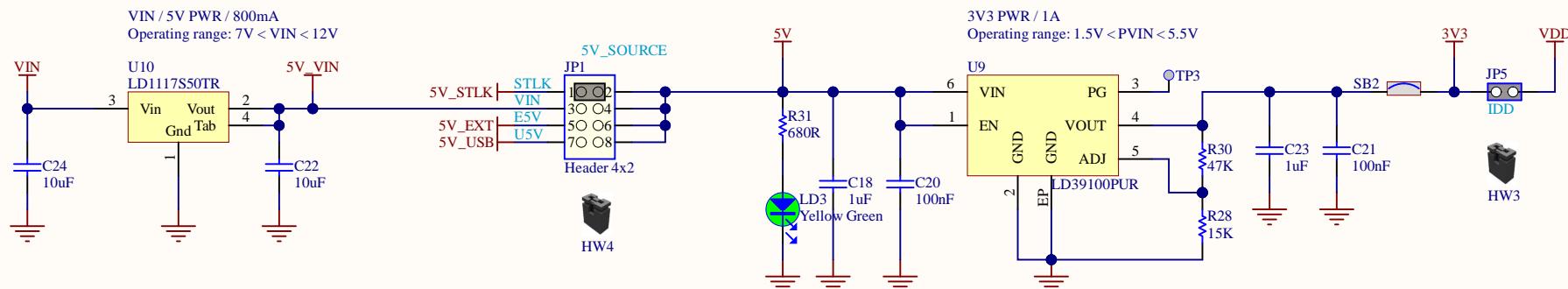
CAN FD



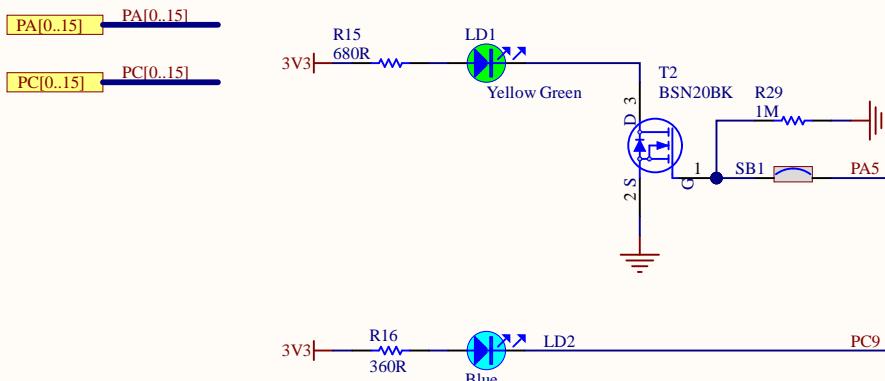
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Project: NUCLEO
Variant: C071RB
Revision: B-03
Reference: MB2046
Size: A4
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Sheet: 6 of 8



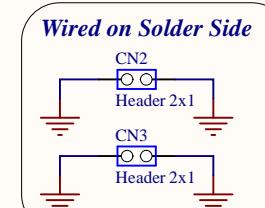
POWER SOURCES



USER LED



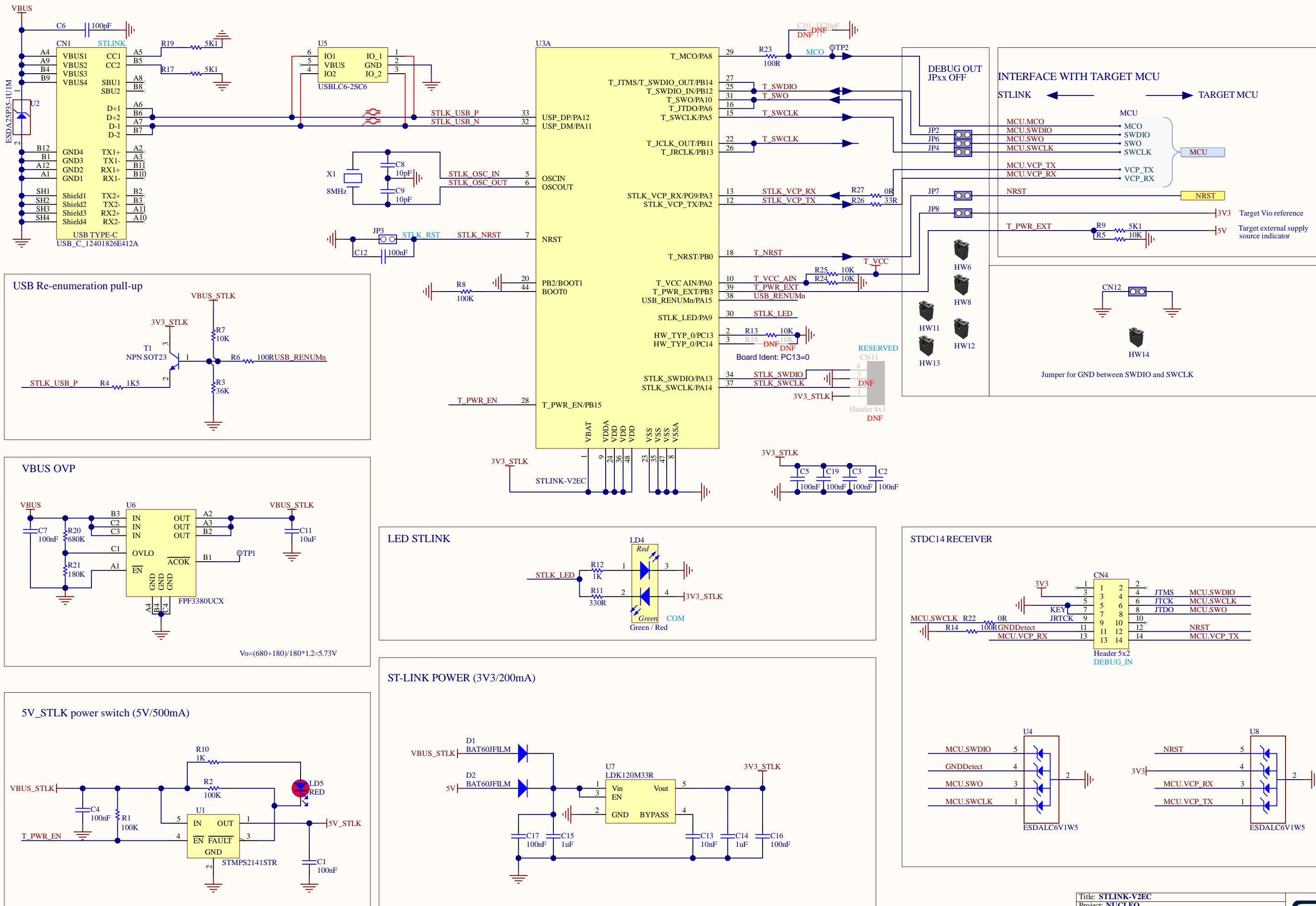
GND HEADERS

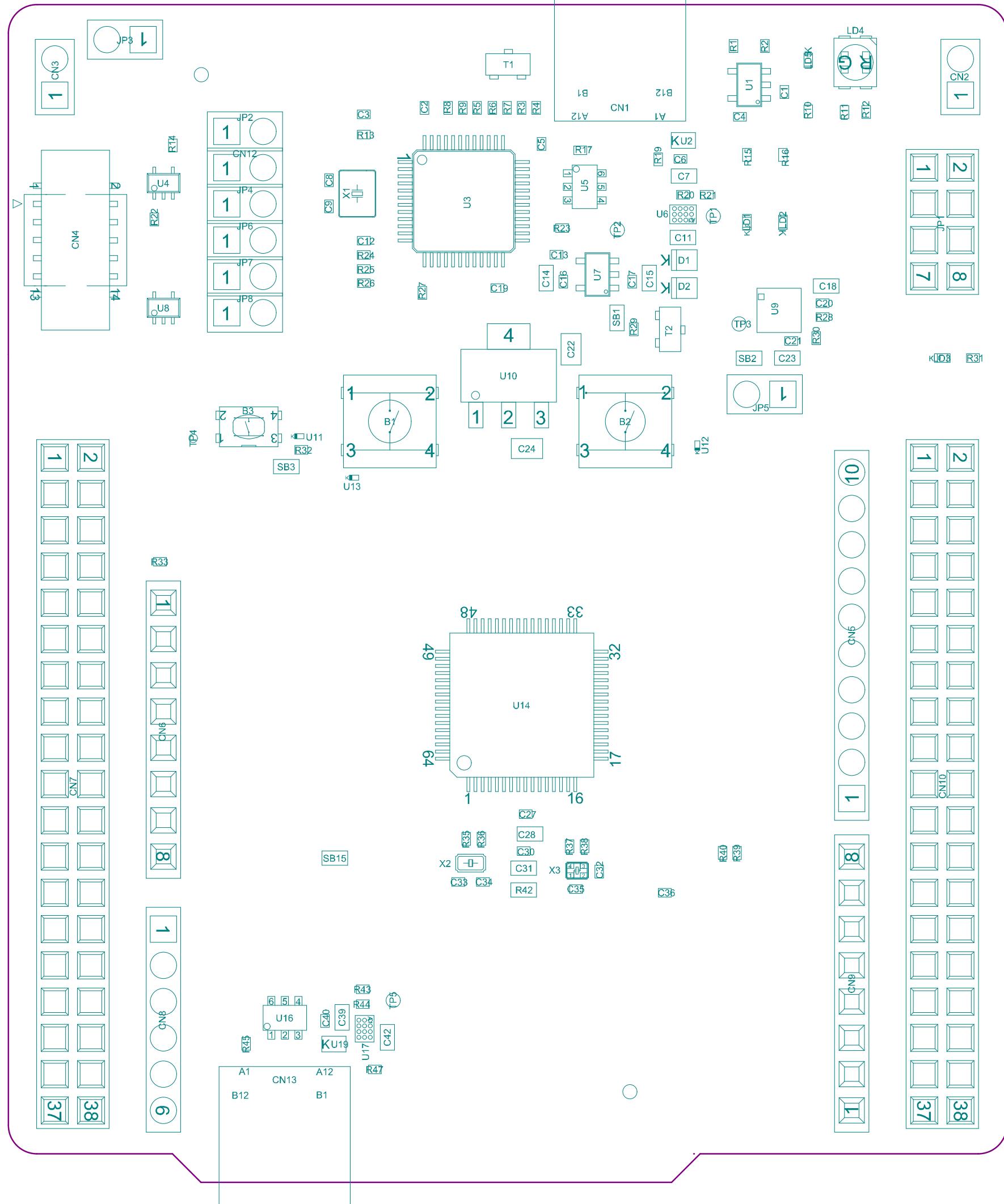


Title: Power	
Project: NUCLEO	
Variant: C071RB	
Revision: B-03	Reference: MB2046
Size: A4	Date: 30-MAR-2024
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STLINK-V2EC





Project: NUCLEO

Layer: M14-Top Assembly

Gerber: .GM14

Variant: C071RB

MB2046

Date: 30-MAR-2024

Rev: B



^{HW1}
Product 25x9 sticker

^{HW2}
Board 25x9 sticker

Project: NUCLEO

Layer: M15-Bottom Assembly

Gerber:.GM15

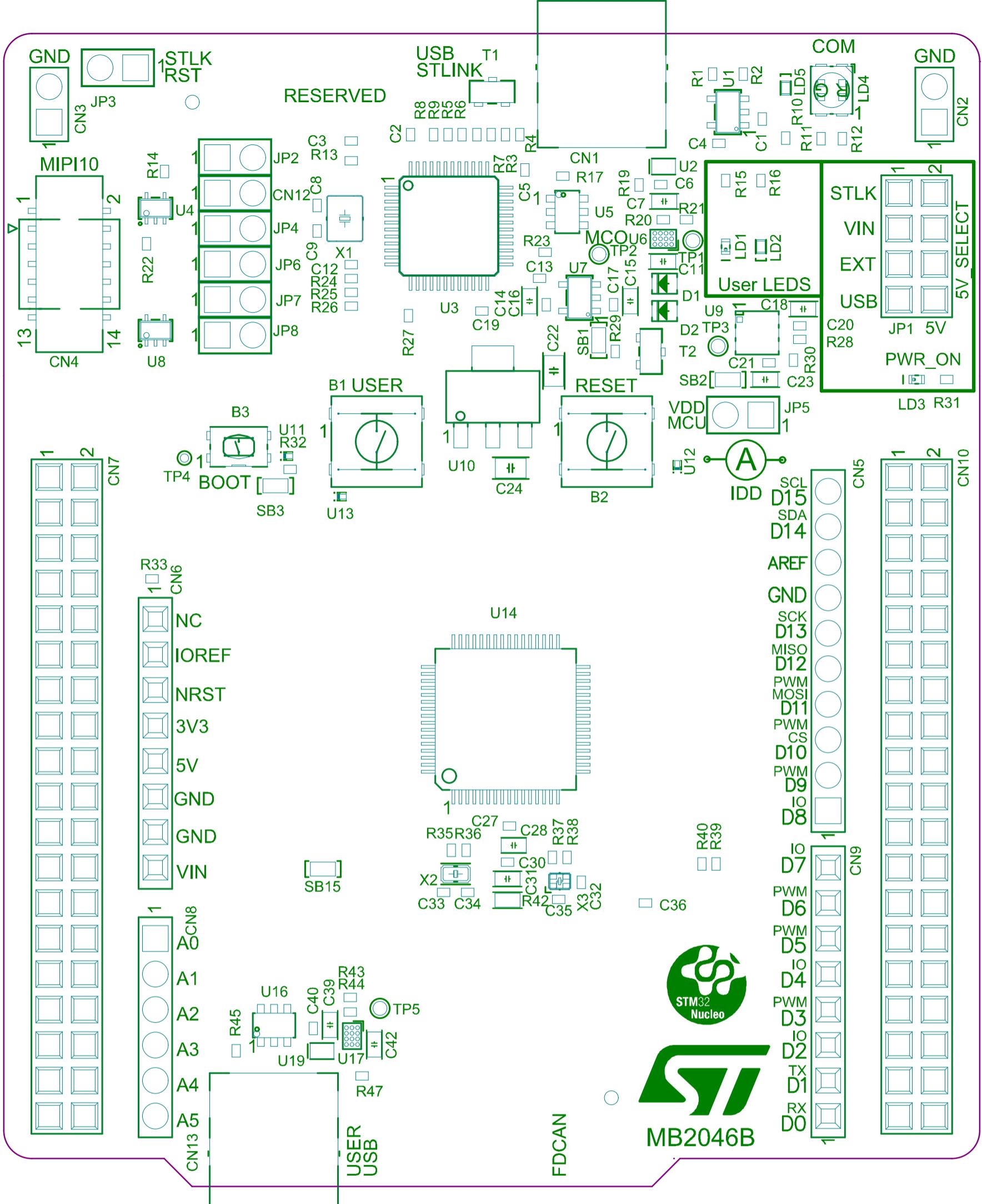
Variant: C071RB

MB2046

Date: 30-MAR-2024

Rev: B





SCL
D15
SDA
D14
AREF

GND

SCK
D13

MISO
D12

PWM
MOSI

D11

PWM
CS

D10

PWM
D9

IO
D8

IO
D7

PWM
D6

PWM
D5

IO
D4

PWM
D3

IO
D2

TX
D1

RX
DO

HW1

Product 25x9 sticker

HW2

Board 25x9 sticker



NC
IOREF
NRST
3V3
5V
GND
GND
VIN
A0
A1
A2
A3
A4
A5