

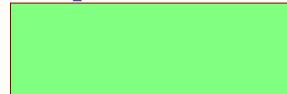
NUCLEO-U031R8

MB1932

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U_MB1932_TOP
MB1932_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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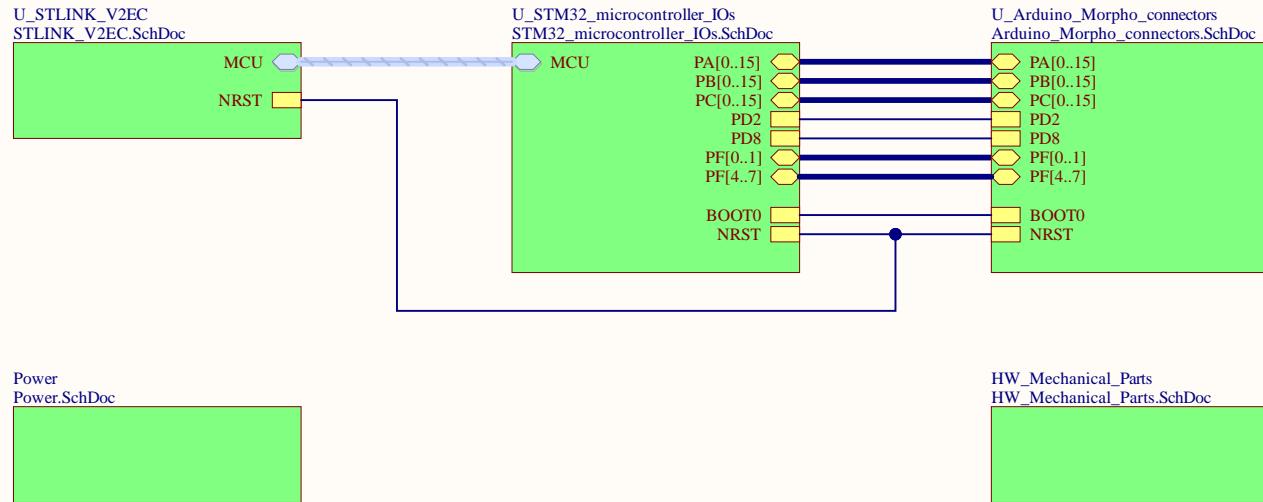
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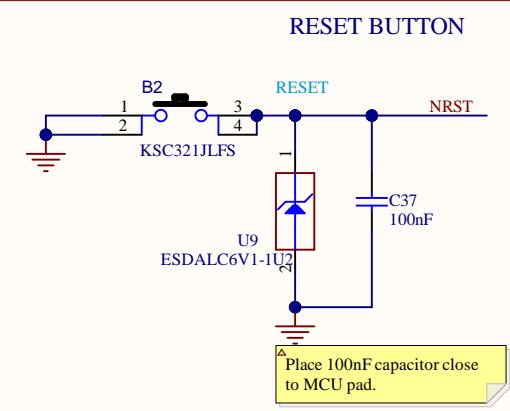
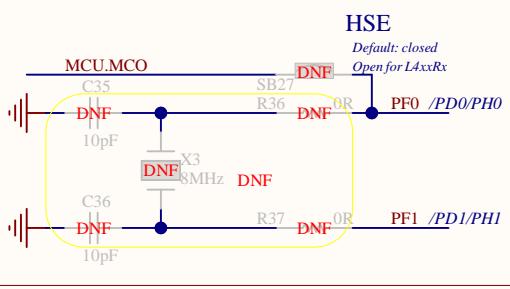
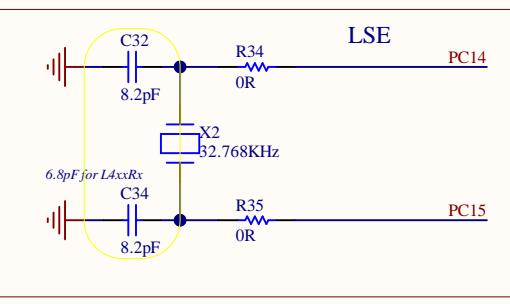
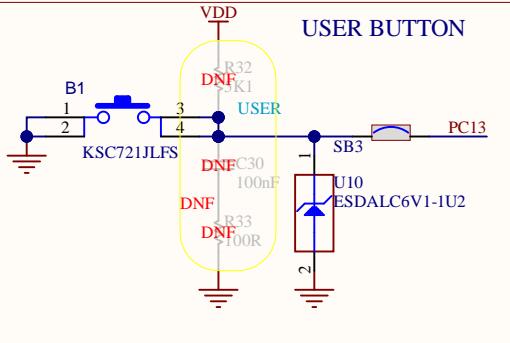
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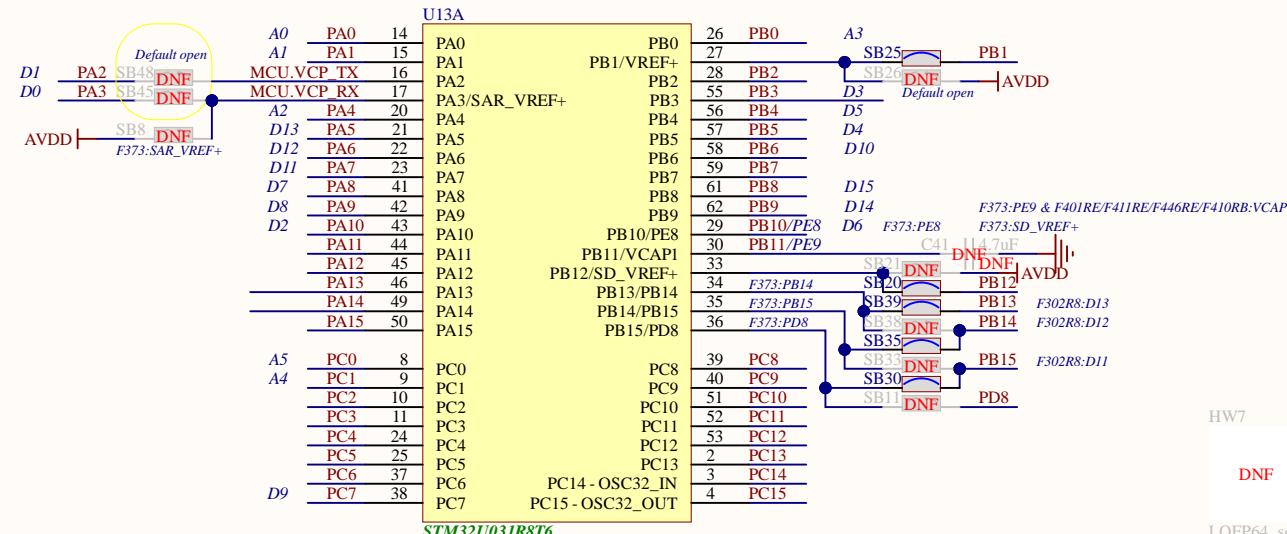
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Project: NUCLEO	
Variant: U031R8	
Revision: B-01	Reference: MB1932
Size: A4	Date: 26-ARP-2023
	Sheet: 1 of 7

ST
life.augmented

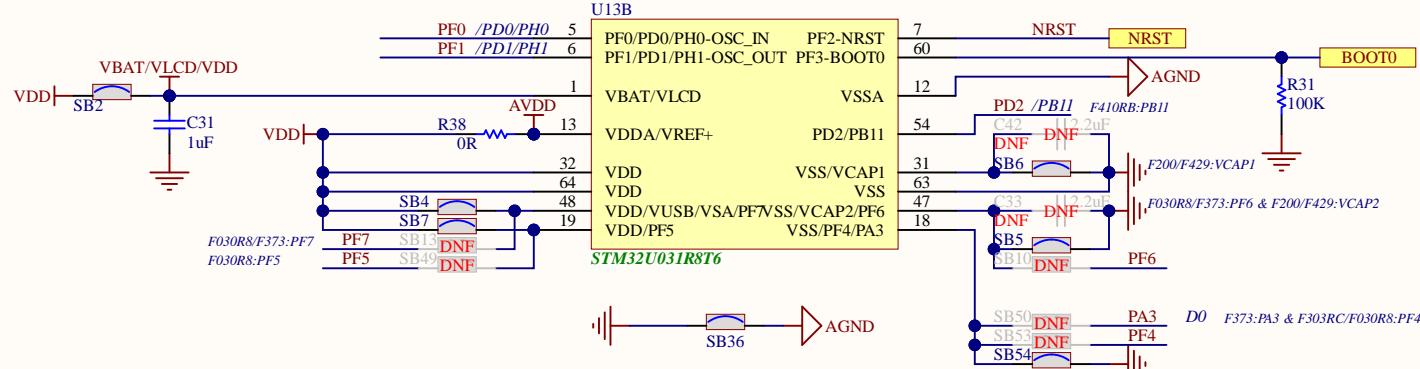




MCU I/O

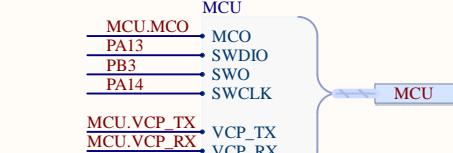
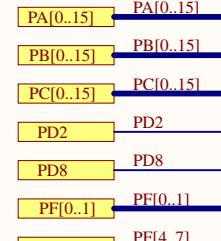
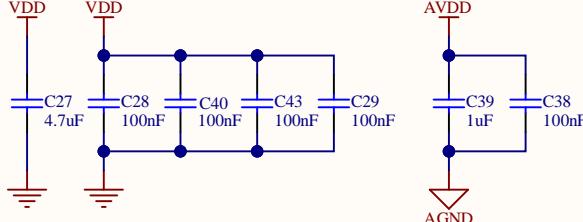


MCU PWR



MCU DECAP

Ceramic capacitor (Low ESR, $ESR < 1\text{ohm}$)



Title: STM32 microcontroller IO

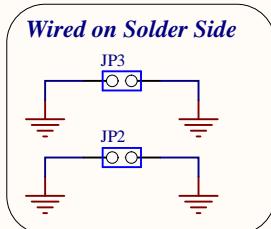
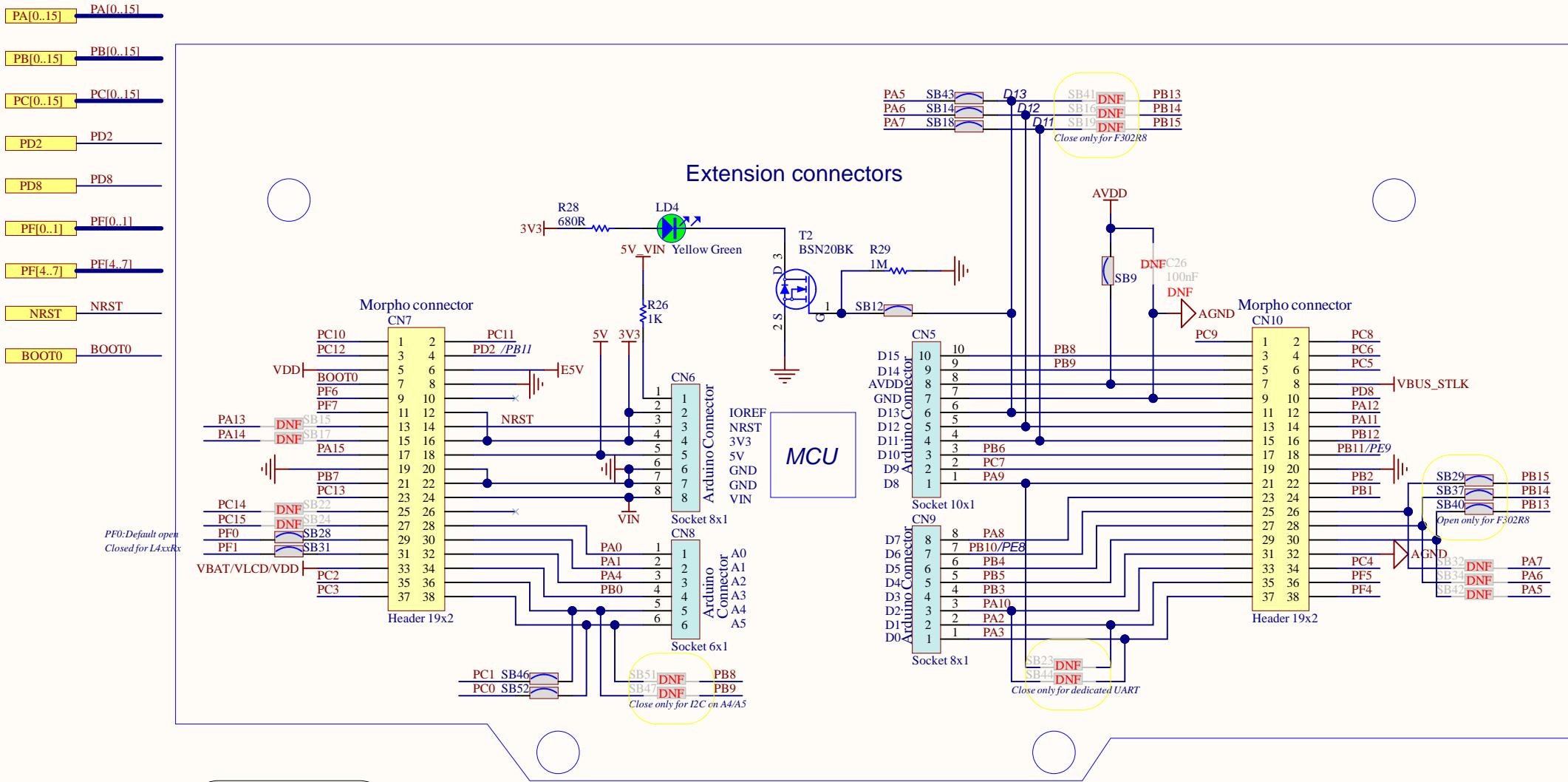
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Variant: U03

Revision: B-01

Size: A4 Date

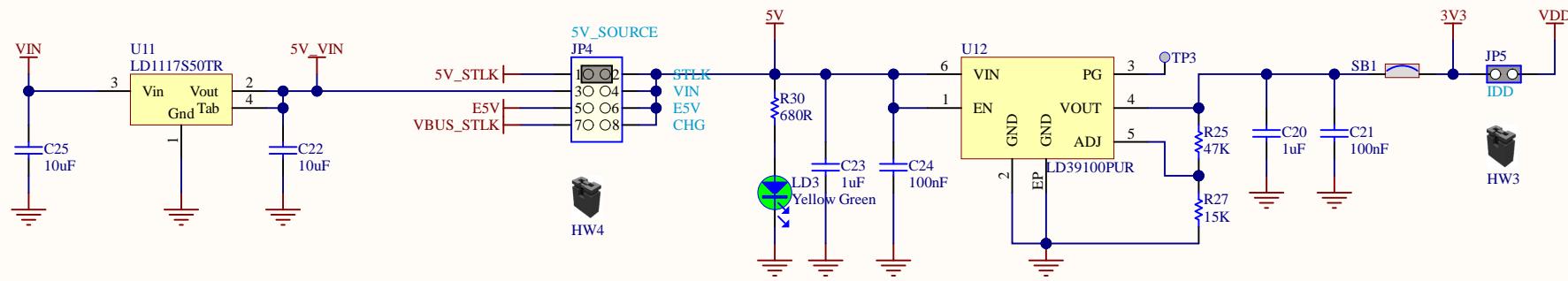




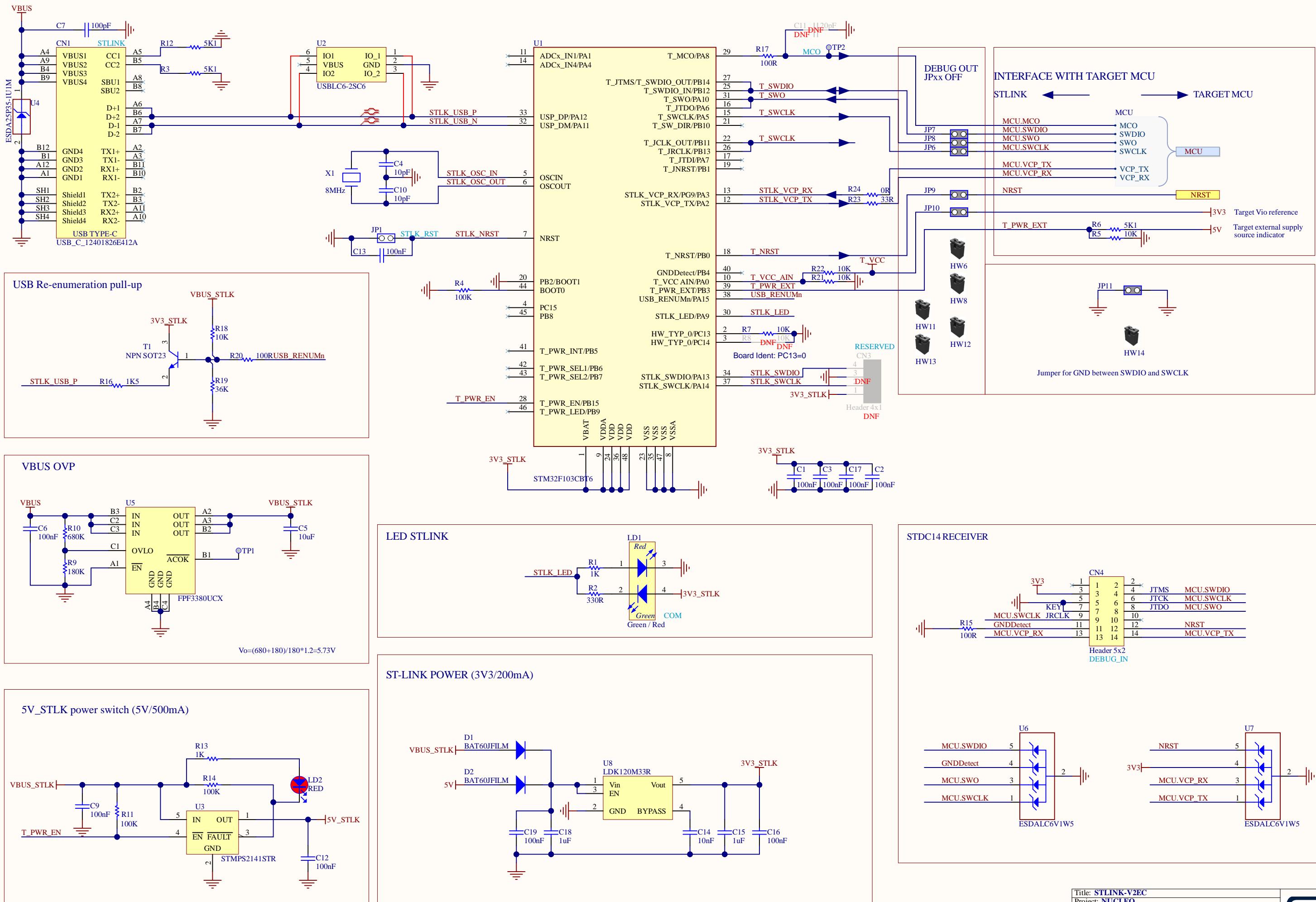
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Project: NUCLEO		
Variant: U031R8		
Revision: B-01	Reference: MB1932	
Size: A4	Date: 26-ARP-2023	Sheet: 4 of 7



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STLINK-V2EC



HW Mechanical parts

HW2
Sticker board

STICKER BOARD

HW1

STICKER PRODUCT

Sticker product

HW5

PCB

MB1932

Title: HW Mechanical parts

Project: NUCLEO

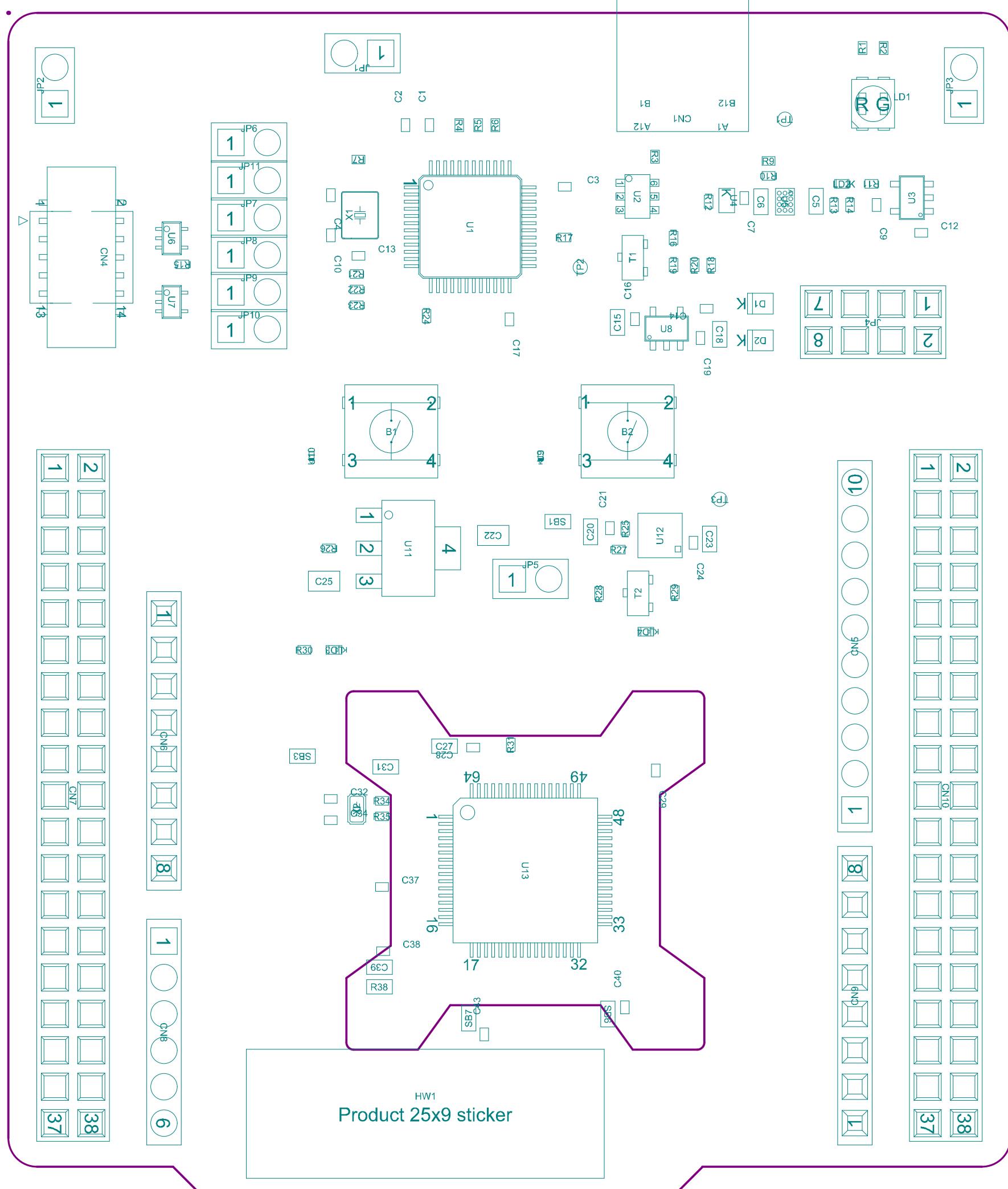
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Revision: B-01

Size: A4 Date: 26-ARP-2023 Reference: MB1932



life.augmented



Project: NUCLEO

Layer:

Variant: U083RC

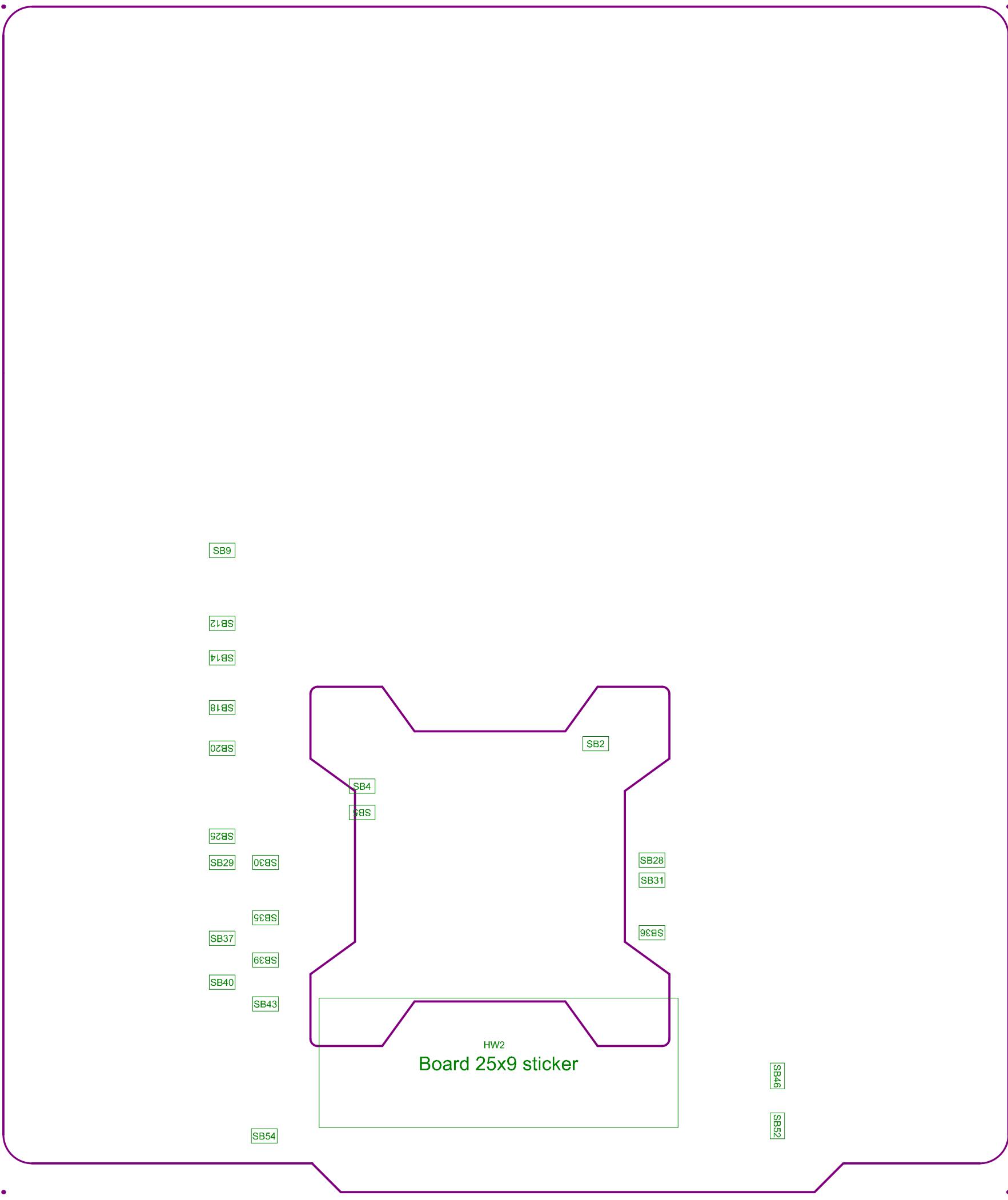
Date: 26-ARP-2023

Gerber:

Ref: MB1932

Rev: B





Project: NUCLEO

Layer:

Variant: U083RC

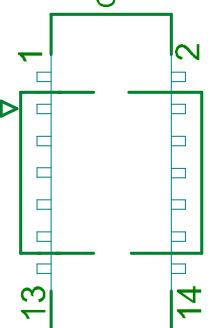
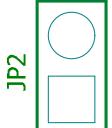
Date: 26-ARP-2023

Gerber:

Ref: MB1932

Rev: B





DEBUG_IN

JP1



STLK_RST

C2

C1 RESERVED



U1

R7

C4

X1

C10

C13

R21

R22

R23

R24

C17

TP2

MCO

C18

C19

C18

C19

T1

U2

R16

R12

U4

C7

C6

U5

C14

C18

C19

D1

D2

JP4

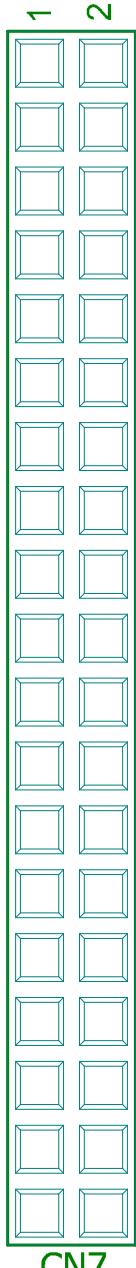
5V SOURCE

CHG

E5V

VIN

STLK



E5V

GND

IOREF
NRST
3V3
5V
GND
POWER
VIN

CN6

A0
A1
A2
A3
A4
A5

CN7

CN8



STM32 Nucleo

U10

B1

U11

R26

C25

R30

LD3

SB3

C27

C28

C31

R31

U13

C32

C34

R34

R35

C37

C38

C39

R38

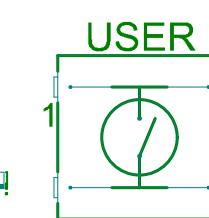
SB6

C40

HW1

Product 25x9 sticker

MB1932B



U10

B1

U11

R26

C25

R30

LD3

SB3

C27

C28

C31

R31

U13

C32

C34

R34

R35

C37

C38

C39

R38

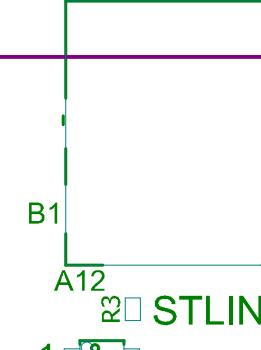
SB7

C43

HW1

Product 25x9 sticker

MB1932B



B1

A12

A1

R3

STLINK

C17

TP2

MCO

C18

C19

C18

C19

T1

U2

R16

R12

U4

C7

C6

U5

C14

C18

C19

D1

D2

JP4

5V SOURCE

CHG

E5V

VIN

STLK

CN1

B12

TP1

LD1

R1

G

R2

JP3

1

COM

LD2

R11

U3

C9

C12

CN5

SCL/D15

SDA/D14

AVDD

GND

SCK/D13

MISO/D12

D8

D7

PWM/MOSI/D11

Pulse Width Modulation

D6

D5

Pulse Width Modulation

D4

D3

Pulse Width Modulation

D2

TX/D1

RX/D0

CN9

CN10

.GTO

Top Overlay



UK
CA

CE



FCC

[] SB9

RoHS
Compliant ✓

[] SB12

[] SB14

[] SB18

[] SB20

[] SB25

[] SB29

[] SB30

[] SB35

[] SB37

[] SB39

[] SB40

[] SB43

[] SB54

[] SB2

[] SB28

[] SB31

[] SB36

HW2

Board 25x9 sticker

CN5

CN10

CN9

CN6

SB52 [] SB46

CN8

CN7