

Power Supply



- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

M2

1x 100nF per VDD pin

NRST

+3.3V

C1 100n

SW1 SW_SPDT

CL = 2*(CL0-Cs) = 2*(10-5)pF = 10pF

Crystal Oscillator Y1

16MHz

C12 10p

C13 10p

J2 Conn_01x04_Male

+3.3V

1 2 3 4

J4 Conn_01x04_Male

+3.3V

R4 1k5

R5 1k5

1 2 3 4

NRST

BOOT0

HSE_IN

HSE_OUT

PC13

PC14

PC15

PB0

PB1

PB2

PB3

PB4

PB5

PB6

PB7

PB8

PB9

PB10

PB11

PB12

PB13

PB14

PB15

USART1_TX

USART1_RX

I2C2_SCL

I2C2_SDA

VSS

VSS

VSSA

STM32F103C8T6

PA0

PA1

PA2

PA3

PA4

PA5

PA6

PA7

PA8

PA9

PA10

PA11

PA12

PA13

PA14

PA15

USB_D-

USB_D+

SWDIO

SWCLK

PWR_FLAG

U2

C8 10n

C9 1u

FB1 120R

VDDA Filtering

+3.3V

VBAT

VDD

VDDA

VDDA

+3.3V

C10 1u

USB App note AN4879

+3.3V

R3 1k5

VBUS

J1 USB_B_Micro

VBUS

D+

D-

ID

GND

Shield

+3.3V

J3 Conn_01x04_Male

1 2 3 4

Pin-out using STM32CubeIDE