MCU

+3V3

C3 100n GND
C4 100n GND

+3V3
R4 10k
RST

SW1
SW_Push

GND

U2
STM32G030F6Px

4 VDD

6 NRST
2 PC14/PB9
3 PC15

4/A6 2
5 3

21/A3 15 PB0/PB1/PB2/PA8
1/UART_TX 20 PB3/PB4/PB5/PB6
0/UART_RX 1 PB7/PB8

PA0 7 6/A7
PA1 8 7
PA2 9 8/A8
PA3 10 18/A0
PA4 11 19/A1
PA5 12 15/SPI_SCK
PA6 13 14/API_MISO
PA7 14 16/SPI_MOSI
PA11/PA9 16 3/I2C_SCL
PA12/PA10 17 2/I2C_SDA
PA13 18 SWDIO
PA14/PA15 19 SWCLK

5 VSS
GND

USB Power

J1
USB2.0_C_v3

VBUS 1
D− 2
D+ 3
GND 4
CC1 5
CC2 6

+5V
C1 10u GND

U1
AMS1117−3.3
3 VI   VO 2
1 GND
GND

C2 2.2u GND

+3V3
R3 10k
D1 Blue
GND

R2 5.1k
R1 5.1k

GND GND GND

Pin Header

+5V +3V3

CH1
ProMicro−LeftPin

1/UART_TX 1 1/TX
0/UART_RX 2 0/RX
SWDIO 3 Alt1
SWCLK 4 Alt2
2/I2C_SDA 5 2/SDA
3/I2C_SCL 6 3/SCL
4/A6 7 4/A6
5 8 5
6/A7 9 6/A7
7 10 7
8/A8 11 8/A8
9/A9 12 9/A9

CH2
ProMicro−RightPin

RAW 12
GND 11
RESET 10 RST
3V3 9
21/A3 8 21/A3
20/A2 7 20/A2
19/A1 6 19/A1
18/A0 5 18/A0
15/SPI_SCK 4 15/SPI_SCK
14/SPI_MISO 3 14/API_MISO
16/SPI_MOSI 2 16/SPI_MOSI
10/A10 1 10/A10

GND

Alternate Pin

9/A9
10/A10
20/A2

GND

SWD

+3V3

J2
SWD−MCU_Side−10Pin

1 VCC   SWDIO 2 SWDIO
3 GND   SWCLK 4 SWCLK
5 GND   NC 6
0/UART_RX 7 RXD   TXD 8 1/UART_TX
9 GND   RESET 10 RST

GND