V_USB
F1
3A/10V/280mV
D2
6V 0.5A
U1
IN OUT
EN
GND NC
3.3V
C7
10uF
C8
10uF
R11
1k
GND
GND
GND
GND
LED1
RED
3.3V
GND

Max Voltage Input: 6VDC
Max Current Output: 600mA

V_USB
AREF
UCAP
VCC
VCC
C6
1.0uF
C1
0.1uF
C5
1.0uF
C10
1.0uF
C3
0.1uF
GND GND GND GND GND

VCC
VCC
U3
R2
10k
14*2
24*2
13
42
S1
Reset
AREF
V_USB
7
2
UCAP
6
D+
4
D-
3
VCC
AVCC
RESET
AREF
VBUS
UVCC
UCAP
D+
D-

PF7(ADC7)
PF6(ADC6)
PF5(ADC5)
PF4(ADC4)
PF1(ADC1)
PF0(ADC0)
PD2(RX)
PD3(TX)
PD1(SDA)
PD0(SCL)
PD4(ADC8)
PC6
PD7(ADC10)
PE6
PB4(ADC11)
PB5(ADC12)
PB6(ADC13)
PB7
PD6(ADC9)
PC7
PB0(SS)
PB1(SCK)
PB2(MOSI)
PB3(MISO)
PD5

36 A0
37 A1
38 A2
39 A3
40
41
20 RXI
21 TXO
19 D2/SDA
18 D3/SCL
25 D4
31 D5
27 D6
1   D7
28 D8
29 D9
30 D10
12
26
32
8
9   SCK
10 MOSI
11 MISO
22

GND

C2
22pF
C4
22pF
Y2
16MHz
XTAL1
17
XTAL2
16
PE2/HWB
33
GND
5*5
GND
32U4

VCC
RAW
3.3V
JP4
JUMPER-SMT_3_1-NC_THICK_SILK
Microcontroller Voltage Selection
32U4 is 5V by default
I2C Bus is still 3.3V

R6
1k
R4
1k
GREEN
D3
Yellow
D1
VCC
VCC

J3
12*2 TXO
11*2 RXI
10*2 GND
9*2   GND
8*2   D2/SDA
7*2   D3/SCL
6*2   D4
5*2   D5
4*2   D6
3*2   D7
2*2   D8
1*2   D9

RAW   1*2
GND   2*2
RESET 3*2
VCC   4*2
A3   5*2
A2   6*2
A1   7*2
A0   8*2
SCK   9*2
MISO 10*2
MOSI 11*2
D10   12*2
J4

V_USB
USB_SOLDER_PADS
VBUS
D-
D+
GND
JP14

J5
USB-C
VBUS
D+
D-
CC1
CC2
SHLD
GND
VBUS1*2
A6*2
A7*2
A5
B5
SHLD1*8
GND*2

R9 5.1k D+
R8 5.1k D-
R1 5.1k
R3 5.1k
GND GND GND

3.3V 3.3V
R7   R5
2.2k 2.2k
3.3V

J2
SCL   4
SDA   3
VCC   2
GND   1
D3/SCL
D2/SDA
QWIIC_RIGHT_ANGLE
GND

Special Instructions

TITLE: SparkFun_Pro_Micro

Design by:
Original Arduino Mini Design by Team Arduino
Arduino Pro Mini Design by Spark Fun Electronics
Pro Micro Design by Spark Fun Electronics

REV:
v20

Date: 1/8/2020 10:22 AM

Sheet: 1/1

sparkfun
qwiic
open hardware