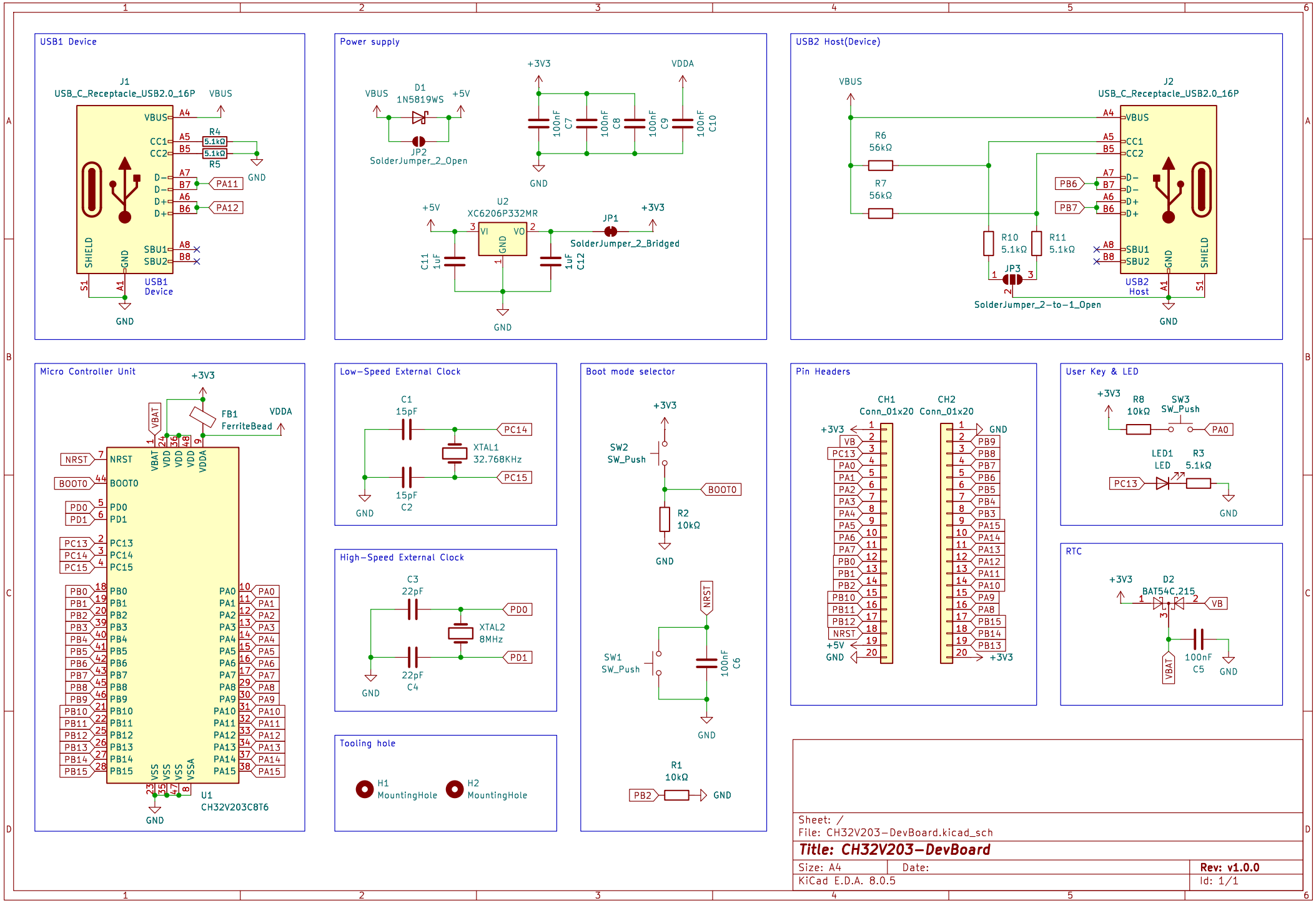
USB1 Device
J1
USB_C_Receptacle_USB2.0_16P
VBUS
CC1
CC2
D−
D−
D+
D+
SHIELD
GND
SBU1
SBU2
R4
5.1kΩ
R5
5.1kΩ
PA11
PA12
USB1
Device
GND
Power supply
VBUS
D1
1N5819WS
+5V
JP2
SolderJumper_2_Open
+3V3
VDDA
100nF C7
100nF C8
100nF C9
100nF C10
GND
+5V
U2
XC6206P332MR
VI
VO
GND
C11 1uF
1uF C12
JP1
SolderJumper_2_Bridged
+3V3
GND
USB2 Host(Device)
VBUS
J2
USB_C_Receptacle_USB2.0_16P
R6
56kΩ
R7
56kΩ
PB6
PB7
R10
5.1kΩ
R11
5.1kΩ
JP3
SolderJumper_2−to−1_Open
USB2
Host
GND
Micro Controller Unit
+3V3
VBAT
FB1
FerriteBead
VDDA
NRST
BOOT0
PD0
PD1
PC13
PC14
PC15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
VSS
VSSA
U1
CH32V203C8T6
GND
Low−Speed External Clock
C1
15pF
XTAL1
32.768KHz
15pF
C2
PC14
PC15
GND
High−Speed External Clock
C3
22pF
XTAL2
8MHz
22pF
C4
PD0
PD1
GND
Tooling hole
H1
MountingHole
H2
MountingHole
Boot mode selector
+3V3
SW2
SW_Push
BOOT0
R2
10kΩ
GND
NRST
SW1
SW_Push
100nF
C6
GND
R1
10kΩ
PB2
GND
Pin Headers
CH1
Conn_01x20
CH2
Conn_01x20
+3V3
VB
PC13
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB10
PB11
PB12
NRST
+5V
GND
PB9
PB8
PB7
PB6
PB5
PB4
PB3
PA15
PA14
PA13
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
User Key & LED
+3V3
R8
10kΩ
SW3
SW_Push
PA0
LED1
LED
R3
5.1kΩ
PC13
GND
RTC
+3V3
D2
BAT54C,215
VB
VBAT
100nF
C5
GND
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Title: CH32V203−DevBoard
Size: A4
Date:
Rev: v1.0.0
KiCad E.D.A. 8.0.5
Id: 1/1