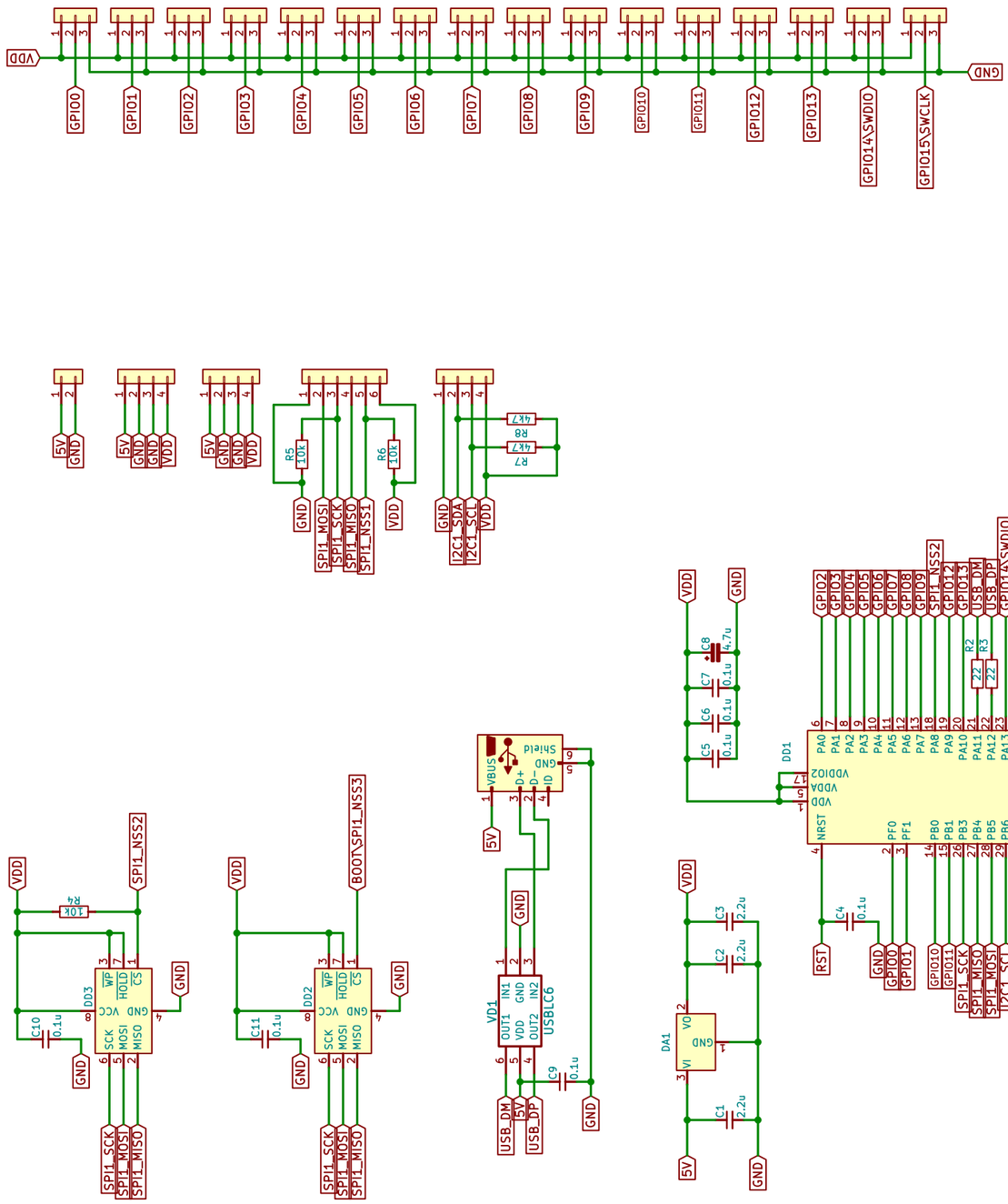
VDD
GND
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14\SWDIO
GPIO15\SWCLK
5V
SPI1_MOSI
SPI1_SCK
SPI1_MISO
SPI1_NSS1
R5 10k
R6 10k
I2C1_SDA
I2C1_SCL
R7 4k7
R8 4k7
R4 10k
SPI1_NSS2
BOOT\SPI1_NSS3
D03
D02
C10 0.1u
C11 0.1u
VD1
USBLC6
VBUS
D+
D-
ID
Shield
USB_DM
USB_DP
C9 0.1u
DA1
C1 2.2u
C2 2.2u
C3 2.2u
C4 0.1u
C5 0.1u
C6 0.1u
C7 0.1u
C8 4.7u
D01
STM32F042K6Tx
NRST
VDD
VDDA
VDDIO2
VSS
VSSA
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
PF0
PF1
PB0
PB1
PB3
PB4
PB5
PB6
PB7
PB8
R2 22
R3 22
USB_DM
USB_DP
R1 10k
RST
GPIO00
GPIO01
GPIO10
GPIO11
SPI1_SCK
SPI1_MISO
SPI1_MOSI
I2C1_SCL
I2C1_SDA
BOOT\SPI1_NSS3