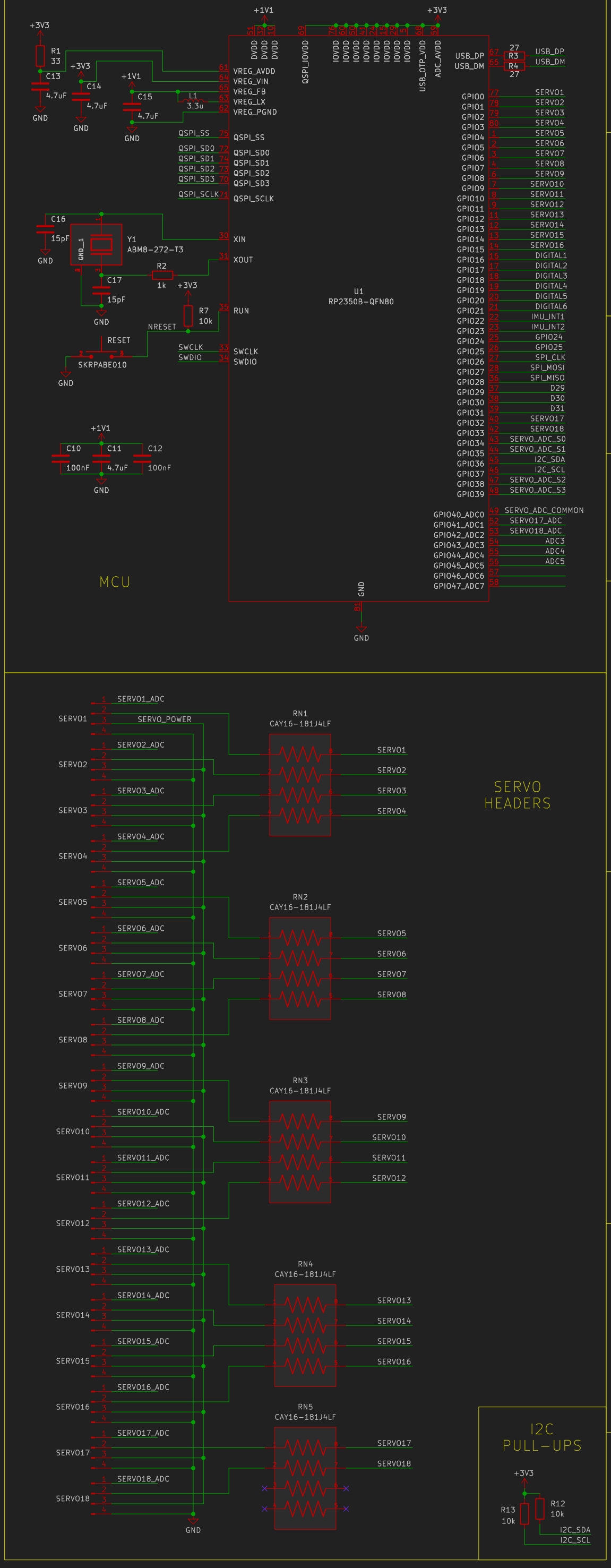
+1V1
+3V3
R1
33
C13
4.7uF
C14
4.7uF
C15
4.7uF
L1
3.3u
GND
VREG_AVDD
VREG_VIN
VREG_FB
VREG_LX
VREG_PGND
QSPI_SS
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_SCLK
C16
15pF
Y1
ABM8-272-T3
C17
15pF
R2
1k
XIN
XOUT
RUN
R7
10k
NRESET
RESET
SKRPABE010
SWCLK
SWDIO
C10
100nF
C11
4.7uF
C12
100nF
U1
RP2350B-QFN80
DVDD
QSPI_IOVDD
IOVDD
USB_OTP_VDD
ADC_AVDD
USB_DP
USB_DM
R3
R4
27
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26
GPIO27
GPIO28
GPIO29
GPIO30
GPIO31
GPIO32
GPIO33
GPIO34
GPIO35
GPIO36
GPIO37
GPIO38
GPIO39
GPIO40_ADC0
GPIO41_ADC1
GPIO42_ADC2
GPIO43_ADC3
GPIO44_ADC4
GPIO45_ADC5
GPIO46_ADC6
GPIO47_ADC7
SERVO1
SERVO2
SERVO3
SERVO4
SERVO5
SERVO6
SERVO7
SERVO8
SERVO9
SERVO10
SERVO11
SERVO12
SERVO13
SERVO14
SERVO15
SERVO16
SERVO17
SERVO18
DIGITAL1
DIGITAL2
DIGITAL3
DIGITAL4
DIGITAL5
DIGITAL6
D29
D30
D31
IMU_INT1
IMU_INT2
SPI_CLK
SPI_MOSI
SPI_MISO
I2C_SCL
I2C_SDA
SERVO_ADC_S0
SERVO_ADC_S1
SERVO_ADC_S2
SERVO_ADC_S3
SERVO_ADC_COMMON
SERVO17_ADC
SERVO18_ADC
ADC3
ADC4
ADC5
MCU
C1
C2
C3
C4
C5
C6
C7
C8
C9
100nF
CAPS
BOOT
SKRPABE010
R5
10k
R6
1k
U2
W25Q16JVUXIQ_TR
VCC
CS
WP/IO2
HOLD/RESET/IO3
CLK
DI/IO0
DO/IO1
EXP
C18
100nF
FLASH
U3
NCP115ASN330T2G
+5V
C19
1uF
C20
1uF
IN
OUT
EN
NC
LDO
LED1
LED2
R8
R9
560
LEDs
SWD
Conn_01x05_Pin
SWCLK
SWDIO
NRESET
SWD
SERVO_POWER
POWER
691137710002
POWER
J3
USB_C_OUT
VBUS
CC1
CC2
D-
D+
SBU1
SBU2
SHIELD
5.1k
R10
R11
USB
DIGITAL
RN1
RN2
RN3
RN4
RN5
CAY16-181J4LF
SERVO HEADERS
MULTIPLEXER
U4
CD74HC4067SM96
C21
100nF
HEADER
IMU
U5
ICM_45686:IC_ICM-45686
C22
C23
100nF
I2C
PULL-UPS
R12
10k
R13
10k
Sheet: /
File: Servo2350.kicad_sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. 9.0.3
Id: 1/1