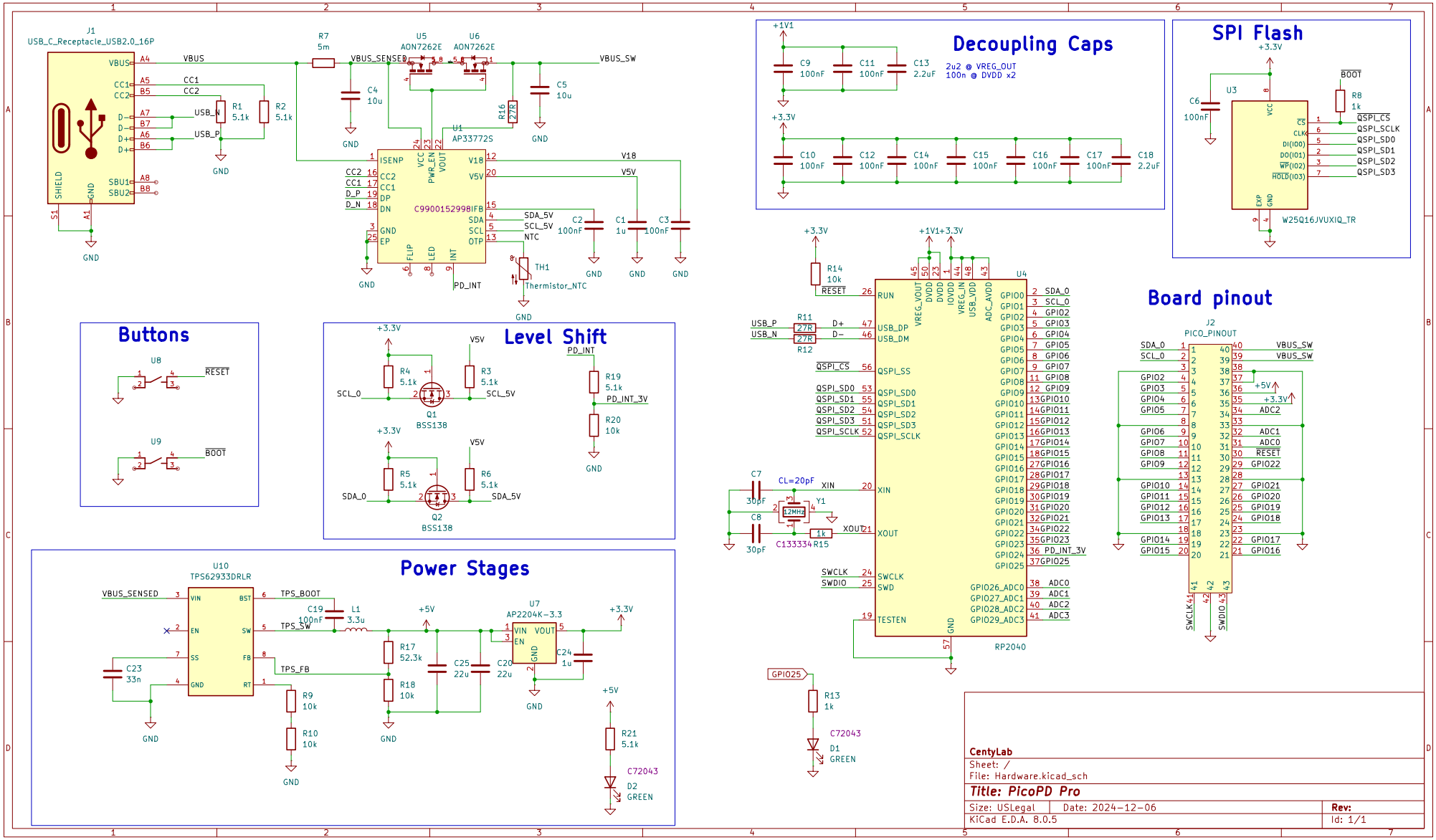
J1
USB_C_Receptacle_USB2.0_16P
VBUS
CC1
CC2
USB_N
USB_P
R1 5.1k
R2 5.1k
R7 5m
VBUS_SENSED
U5 AON7262E
U6 AON7262E
VBUS_SW
C4 10u
C5 10u
R16 27R
U1 AP33772S
ISENP
CC2
CC1
D_P
D_N
GND
EP
VCC
PWR_EN
VOUT
V18
V5V
C9990015299BIFB
SDA
SCL
OTP
FLIP
LED
INT
SDA_5V
SCL_5V
NTC
PD_INT
TH1
Thermistor_NTC
C2 100nF
C1 1u
C3 100nF
Decoupling Caps
+1V1
C9 100nF
C11 100nF
C13 2.2uF
2u2 @ VREG_OUT
100n @ DVDD x2
+3.3V
C10 100nF
C12 100nF
C14 100nF
C15 100nF
C16 100nF
C17 100nF
C18 2.2uF
SPI Flash
U3
C6 100nF
BOOT
R8 1k
QSPI_CS
QSPI_SCLK
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
W25Q16JVUXIQ_TR
Buttons
U8
RESET
U9
BOOT
Level Shift
R4 5.1k
R3 5.1k
SCL_0
SCL_5V
Q1
BSS138
R5 5.1k
R6 5.1k
SDA_0
SDA_5V
Q2
BSS138
PD_INT
R19 5.1k
PD_INT_3V
R20 10k
Power Stages
U10
TPS62933DRLR
VIN
EN
SS
GND
BST
SW
FB
RT
TPS_BOOT
TPS_SW
TPS_FB
C19 100nF
L1 3.3u
C23 33n
R9 10k
R10 10k
R17 52.3k
R18 10k
C25 22u
C20 22u
U7
AP2204K-3.3
VIN
EN
VOUT
GND
C24 1u
R21 5.1k
C72043
D2
GREEN
R14 10k
RESET
R11 27R
R12 27R
U4
RP2040
RUN
USB_DP
USB_DM
QSPI_SS
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_SCLK
XIN
XOUT
SWCLK
SWD
TESTEN
VREG_VOUT
DVDD
IOVDD
VREG_IN
USB_VDD
ADC_AVDD
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_ADC0
GPIO27_ADC1
GPIO28_ADC2
GPIO29_ADC3
PD_INT_3V
ADC0
ADC1
ADC2
ADC3
C7 30pF
C8 30pF
CL=20pF
Y1
12MHz
C133334
R15 1k
GPIO25
R13 1k
C72043
D1
GREEN
Board pinout
J2
PICO_PINOUT
SDA_0
SCL_0
VBUS_SW
+5V
+3.3V
ADC2
ADC1
ADC0
RESET
GPIO22
GPIO21
GPIO20
GPIO19
GPIO18
GPIO17
GPIO16
SWCLK
SWDIO
CentyLab
Sheet: /
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Title: PicoPD Pro
Size: USLegal
Date: 2024-12-06
Rev:
KiCad E.D.A. 8.0.5
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