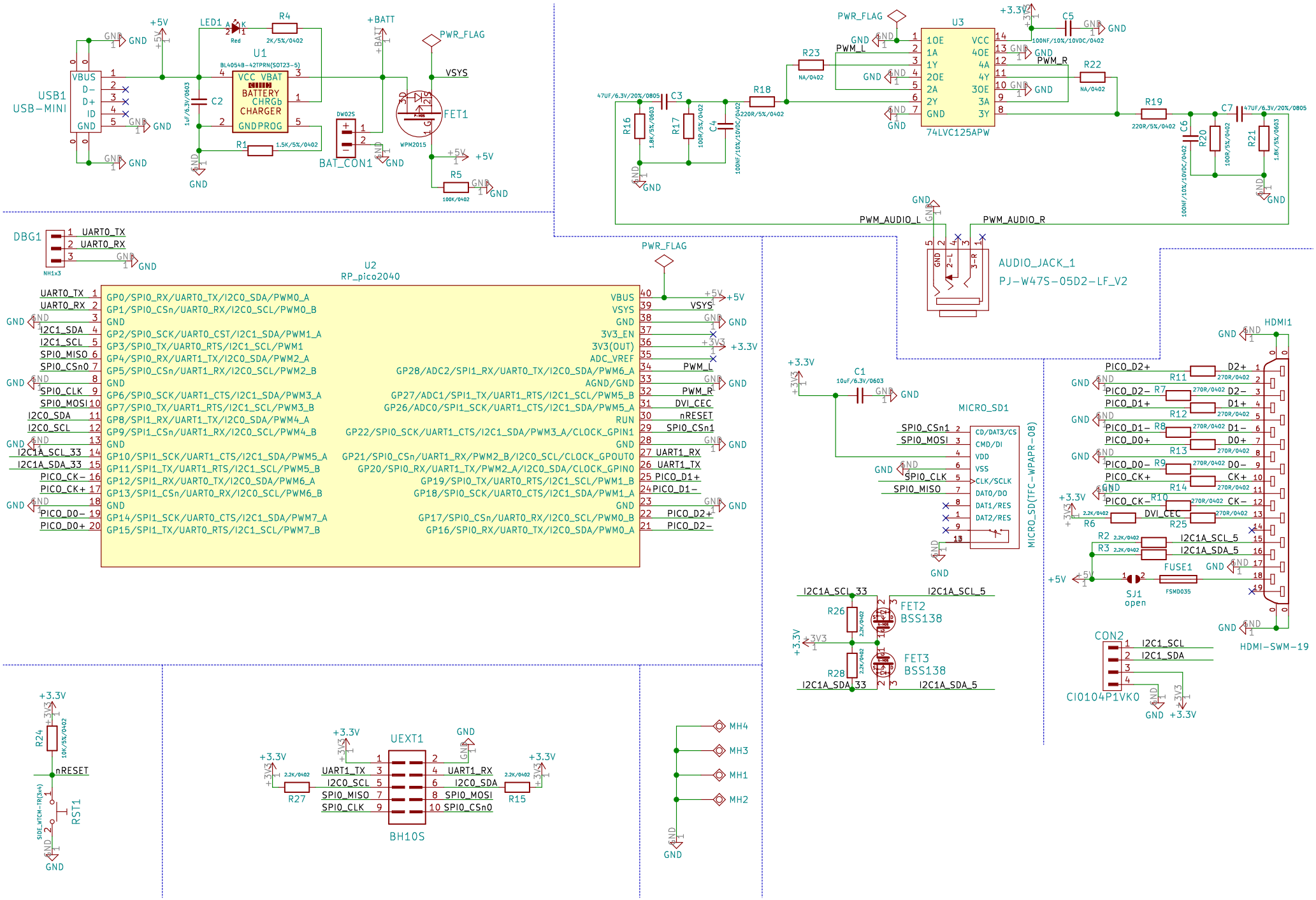
USB1
USB-MINI
VBUS
D-
D+
ID
GND
+5V
LED1
Red
R4
2K/5%/0402
U1
BL4054B-42TPRN(SOT23-5)
VCC VBAT
BATTERY
CHRGb
CHARGER
GNDPROG
C2
1uF/6.3V/0603
R1
1.5K/5%/0402
+BATT
PWR_FLAG
VSYS
FET1
WPM2015
DW02S
BAT_CON1
R5
100K/0402
DBG1
UART0_TX
UART0_RX
NH1x3
U2
RP_pico2040
GP0/SPI0_RX/UART0_TX/I2C0_SDA/PWM0_A
GP1/SPI0_CSn/UART0_RX/I2C0_SCL/PWM0_B
GP2/SPI0_SCK/UART0_CST/I2C1_SDA/PWM1_A
GP3/SPI0_TX/UART0_RTS/I2C1_SCL/PWM1
GP4/SPI0_RX/UART1_TX/I2C0_SDA/PWM2_A
GP5/SPI0_CSn/UART1_RX/I2C0_SCL/PWM2_B
GP6/SPI0_SCK/UART1_CTS/I2C1_SDA/PWM3_A
GP7/SPI0_TX/UART1_RTS/I2C1_SCL/PWM3_B
GP8/SPI1_RX/UART1_TX/I2C0_SDA/PWM4_A
GP9/SPI1_CSn/UART1_RX/I2C0_SCL/PWM4_B
GP10/SPI1_SCK/UART1_CTS/I2C1_SDA/PWM5_A
GP11/SPI1_TX/UART1_RTS/I2C1_SCL/PWM5_B
GP12/SPI1_RX/UART0_TX/I2C0_SDA/PWM6_A
GP13/SPI1_CSn/UART0_RX/I2C0_SCL/PWM6_B
GP14/SPI1_SCK/UART0_CTS/I2C1_SDA/PWM7_A
GP15/SPI1_TX/UART0_RTS/I2C1_SCL/PWM7_B
VBUS
VSYS
3V3_EN
3V3(OUT)
ADC_VREF
GP28/ADC2/SPI1_RX/UART0_TX/I2C0_SDA/PWM6_A
AGND/GND
GP27/ADC1/SPI1_TX/UART1_RTS/I2C1_SCL/PWM5_B
GP26/ADC0/SPI1_SCK/UART1_CTS/I2C1_SDA/PWM5_A
RUN
GP22/SPI0_SCK/UART1_CTS/I2C1_SDA/PWM3_A/CLOCK_GPIN1
GP21/SPI0_CSn/UART1_RX/PWM2_B/I2C0_SCL/CLOCK_GPOUT0
GP20/SPI0_RX/UART1_TX/PWM2_A/I2C0_SDA/CLOCK_GPIN0
GP19/SPI0_TX/UART0_RTS/I2C1_SCL/PWM1_B
GP18/SPI0_SCK/UART0_CTS/I2C1_SDA/PWM1_A
GP17/SPI0_CSn/UART0_RX/I2C0_SCL/PWM0_B
GP16/SPI0_RX/UART0_TX/I2C0_SDA/PWM0_A
PWR_FLAG
U3
74LVC125APW
PWM_L
PWM_R
R23
NA/0402
R22
NA/0402
R18
220R/5%/0402
R19
220R/5%/0402
C3
47UF/6.3V/20%/0805
C4
100NF/10%/10VDC/0402
C5
100NF/10%/10VDC/0402
C6
100NF/10%/10VDC/0402
C7
47UF/6.3V/20%/0805
R16
1.8K/5%/0603
R17
100R/5%/0402
R20
100R/5%/0402
R21
1.8K/5%/0603
PWM_AUDIO_L
PWM_AUDIO_R
AUDIO_JACK_1
PJ-W47S-05D2-LF_V2
C1
10uF/6.3V/0603
MICRO_SD1
SPI0_CSn1
SPI0_MOSI
SPI0_CLK
SPI0_MISO
CD/DAT3/CS
CMD/DI
VDD
VSS
CLK/SCLK
DAT0/DO
DAT1/RES
DAT2/RES
MICRO_SD(TFC-WPAPR-08)
HDMI1
PICO_D2+
PICO_D2-
PICO_D1+
PICO_D1-
PICO_D0+
PICO_D0-
PICO_CK+
PICO_CK-
DVI_CEC
R11
R12
R8
R13
R9
R14
R10
R7
R6
R25
R2
R3
2.2K/0402
270R/0402
I2C1A_SCL_5
I2C1A_SDA_5
FUSE1
FSMD035
SJ1
open
HDMI-SWM-19
I2C1A_SCL_33
I2C1A_SDA_33
FET2
FET3
BSS138
R26
R28
CON2
I2C1_SCL
I2C1_SDA
CI0104P1VK0
R24
10K/5%/0402
nRESET
RST1
SIDE_WTCM-TR(3x4)
UEXT1
UART1_TX
UART1_RX
I2C0_SCL
I2C0_SDA
SPI0_MISO
SPI0_MOSI
SPI0_CLK
SPI0_CSn0
R27
R15
BH10S
MH4
MH3
MH1
MH2