U1
Pico

Raspberry Pi Pico

GPIO0
GPIO1
GND
GPIO2
GPIO3
GPIO4
GPIO5
GND
GPIO6
GPIO7
ADC_CLK
GPIO9
SPI_CLK
SPI_MO
SPI_MI
SPI_CS
GND
GPIO14
GPIO15

VBUS
VSYS
GND
3V3_EN
3V3
ADC_VREF
GPIO28_ADC2
AGND
GPIO27_ADC1
GPIO26_ADC0
RUN
GPIO22
GND
GPIO21
GPIO20
GND
SCL
SDA
GND
RX
TX

+5V
+3.3V

ADC_VREF
GPIO28_ADC2

GPIO27_ADC1
GPIO26_ADC0

GPIO22

GPIO21
GPIO20

SCL
SDA

RX
TX

SWCLK
GND
SWDIO

GPIO25
GPIO24

GND

U2
ADC08100CIMTCX/NOPB(TSSOP-24)

+3.3V

FB1
FerriteBead_Small

FB2
FerriteBead_Small

C1 22uF
C2 100nF
GNDA

DRVD
DRGND
D0
D1
D2
D3
D4
D5
D6
D7
VA
VA
VA
AGND
AGND
AGND
AGND
PD
CLK
VRT
VRM
VRB
VIN
GND

GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7

R2 10K
GNDA
ADC_CLK
+3.3V

C3 22uF
C4 22uF
C5 100nF
C6 100nF
C7 100nF
GNDA

R3 22
2.2V
C9 1uF
C10 100nF
R5 110
+3.3V
GNDA

C11 100nF
GNDA

GNDA

J1
Conn_Coaxial
GNDA

U3
MD0100N8-G
COM

FB3
FerriteBead_Small

C8 1uF

D1
BAV99-7-F

+3.3V

R1 110
R4 220
GNDA

1.1V
R7 110
R8 56
GNDA

U5
TPL0401B-10-Q1
SDA
SCL
VDD
SDA
SCL
GND
MAX: 10K
GNDA

+3.3V
U4
LTC6228xS8
FB

R9 10K
C12 33pF
GNDA

Raspberry Pi B+ J8 Header

J2
Conn_02x20_Odd_Even
+3.3V
+5V

SDA
SCL
GPIO9
GPIO14
GPIO15
SPI_MO
SPI_MI
SPI_CLK
ADC_VREF

TX
RX
GPIO26_ADC0
GPIO27_ADC1
GPIO28_ADC2
GPIO22
SPI_CS
GPIO21
GPIO20
GPIO24
GPIO25

GND
GND

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Rev:
KiCad E.D.A. 8.0.1
Id: 1/1