Schematic labels:

U1 Pico — Raspberry Pi Pico
GPIO0, GPIO1, GND, GPIO2, GPIO3, GPIO4, GPIO5, GND, GPIO6, GPIO7, ADC_CLK, GPIO8, GPIO9, SPI_CLK, SPI_MO, SPI_MI, SPI_CS, GPIO10, GPIO11, GPIO12, GPIO13, GPIO14, GPIO15
VBUS, VSYS, GND, 3V3_EN, 3V3, ADC_VREF, AGND, GPIO28_ADC2, GPIO27_ADC1, GPIO26_ADC0, RUN, GPIO22, GND, GPIO21, GPIO20, GND, SCL, SDA, GPIO19, GPIO18, GND, RX, TX, GPIO17, GPIO16
SWCLK, GND, SWDIO
GPIO25, GPIO24
+5V +3.3V

ADC_VREF, GPIO28_ADC2, GPIO27_ADC1, GPIO26_ADC0, GPIO22, GPIO21, GPIO20, SCL, SDA, RX, TX

U3 MD0100N8-G — COM, A, B
J1 Conn_Coaxial
FB3 FerriteBead_Small
C8 1uF
D1 BAV99-7-F
GNDA

U5 TPL0401B-10-Q1 — VDD, SDA, SCL, GND, H, W, L
SDA, SCL
+3.3V
GNDA

LM8272MMX_NOPB IC1B
+3.3V
R1 110, R4 220, R7 110, R8 56
1.1V

U4 LTC6228xS8
+3.3V FB
R9 10K
C12 33pF
GNDA

U2 ADC08100CIMTCX/NOPB(TSSOP-24)
DRVD, DRGND, VA, VA, VA, AGND, AGND, AGND, AGND, VRT, CLK, PD, VIN, VRM, VRB, GND
D0, D1, D2, D3, D4, D5, D6, D7
GPIO0, GPIO1, GPIO2, GPIO3, GPIO4, GPIO5, GPIO6, GPIO7
ADC_CLK
2.2V

FB1 FerriteBead_Small
FB2 FerriteBead_Small
+3.3V
C1 22uF, C2 100nF
C3 22uF, C4 22uF, C5 100nF, C6 100nF, C7 100nF
R2 10K, R3 22, R5 110, R6 220
C9 1uF, C10 100nF, C11 100nF
GNDA

LM8272MMX_NOPB IC1A
+3.3V +5V
GNDA

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

Raspberry Pi B+ J8 Header
http://www.element14.com

Sheet: /
File: ADC_pHAT.kicad_sch
Title:
Size: A2   Date:
KiCad E.D.A. 8.0.1   Rev:
Id: 1/1