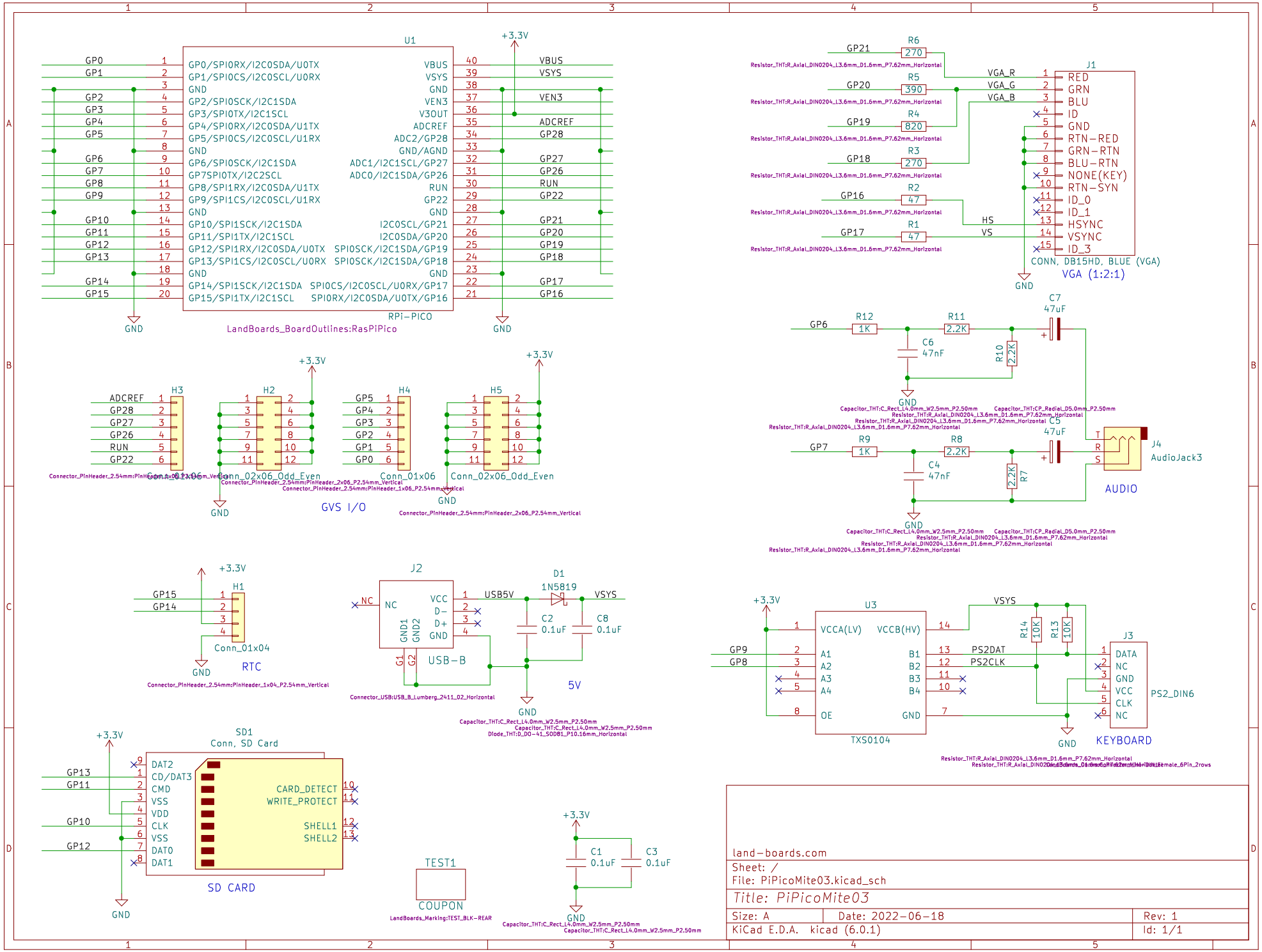
U1
RPi-PICO
LandBoards_BoardOutlines:RasPiPico
GP0/SPI0RX/I2C0SDA/U0TX
GP1/SPI0CS/I2C0SCL/U0RX
GND
GP2/SPI0SCK/I2C1SDA
GP3/SPI0TX/I2C1SCL
GP4/SPI0RX/I2C0SDA/U1TX
GP5/SPI0CS/I2C0SCL/U1RX
GND
GP6/SPI0SCK/I2C1SDA
GP7SPI0TX/I2C2SCL
GP8/SPI1RX/I2C0SDA/U1TX
GP9/SPI1CS/I2C0SCL/U1RX
GND
GP10/SPI1SCK/I2C1SDA
GP11/SPI1TX/I2C1SCL
GP12/SPI1RX/I2C0SDA/U0TX
GP13/SPI1CS/I2C0SCL/U0RX
GND
GP14/SPI1SCK/I2C1SDA
GP15/SPI1TX/I2C1SCL
VBUS
VSYS
GND
VEN3
V3OUT
ADCREF
ADC2/GP28
GND/AGND
ADC1/I2C1SCL/GP27
ADC0/I2C1SDA/GP26
RUN
GP22
GND
I2C0SCL/GP21
I2C0SDA/GP20
SPI0SCK/I2C1SDA/GP19
SPI0SCK/I2C1SDA/GP18
GND
SPI0CS/I2C0SCL/U0RX/GP17
SPI0RX/I2C0SDA/U0TX/GP16
+3.3V
GND
J1
VGA (1:2:1)
CONN, DB15HD, BLUE (VGA)
RED
GRN
BLU
ID
GND
RTN-RED
GRN-RTN
BLU-RTN
NONE(KEY)
RTN-SYN
ID_0
ID_1
HSYNC
VSYNC
ID_3
VGA_R
VGA_G
VGA_B
HS
VS
R6 270
R5 390
R4 820
R3 270
R2 47
R1 47
GP21
GP20
GP19
GP18
GP16
GP17
Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal
H3
H2
H4
H5
ADCREF
GP28
GP27
GP26
RUN
GP22
GP5
GP4
GP3
GP2
GP1
GP0
Conn_01x06
Conn_02x06_Odd_Even
Connector_PinHeader_2.54mm:PinHeader_2x06_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x06_P2.54mm_Vertical
GVS I/O
R12 1K
R11 2.2K
R10 2.2K
C6 47nF
C7 47uF
R9 1K
R8 2.2K
R7 2.2K
C4 47nF
C5 47uF
GP6
GP7
J4
AudioJack3
AUDIO
Capacitor_THT:C_Rect_L4.0mm_W2.5mm_P2.50mm
Capacitor_THT:CP_Radial_D5.0mm_P2.50mm
Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal
H1
Conn_01x04
RTC
GP15
GP14
J2
USB-B
NC
VCC
D-
D+
GND
GND1
GND2
G1
G2
USB5V
VSYS
D1
1N5819
C2 0.1uF
C8 0.1uF
5V
Connector_USB:USB_B_Lumberg_2411_02_Horizontal
Diode_THT:D_DO-41_SOD81_P10.16mm_Horizontal
U3
TXS0104
VCCA(LV)
VCCB(HV)
A1
A2
A3
A4
OE
B1
B2
B3
B4
PS2DAT
PS2CLK
R14 10K
R13 10K
J3
PS2_DIN6
KEYBOARD
DATA
NC
GND
VCC
CLK
NC
GP9
GP8
SD1
Conn, SD Card
SD CARD
DAT2
CD/DAT3
CMD
VSS
VDD
CLK
VSS
DAT0
DAT1
CARD_DETECT
WRITE_PROTECT
SHELL1
SHELL2
GP13
GP11
GP10
GP12
TEST1
COUPON
LandBoards_Marking:TEST_BLK-REAR
C1 0.1uF
C3 0.1uF
Capacitor_THT:C_Rect_L4.0mm_W2.5mm_P2.50mm
land-boards.com
Sheet: /
File: PiPicoMite03.kicad_sch
Title: PiPicoMite03
Size: A
Date: 2022-06-18
Rev: 1
KiCad E.D.A. kicad (6.0.1)
Id: 1/1