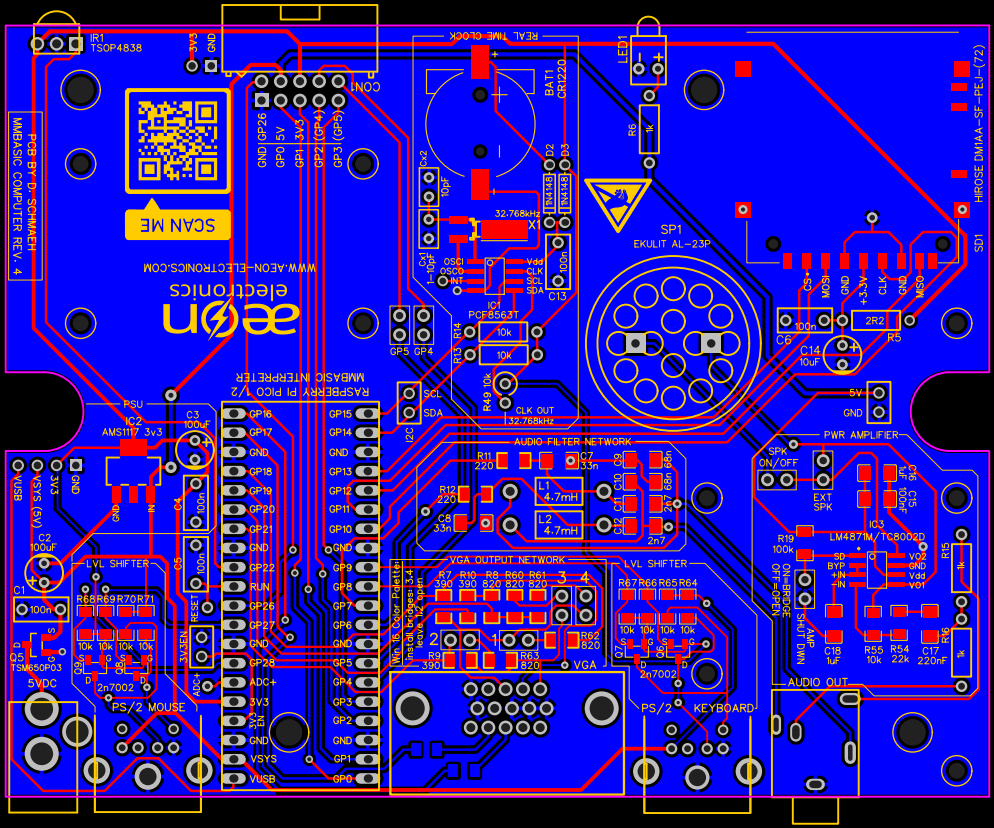

IR1
TSOP4838
3V3
GND
CON1
REAL TIME CLOCK
BAT1
CR1220
LED1
R6
1k
HIROSE DM1AA-SF-PEJ-(72)
SD1
PCB BY D. SCHMAEH
MMBASIC COMPUTER REV. 4
SCAN ME
WWW.AEON-ELECTRONICS.COM
aeon electronics
GP26
GP0 5V
GP1 3V3
GP2 (GP4)
GP3 (GP5)
Cx2
10pF
Cx1
1-10pF
32.768kHz
X1
D2
D3
1N4148
1N4148
OSCI
OSCO
INT
Vdd
CLK
SCL
SDA
100n
C13
IC1
PCF8563T
SP1
EKULIT AL-23P
CS
MOSI
GND
+3.3V
CLK
GND
MISO
C6
100n
2R2
R5
C14
10uF
GP5
GP4
R14
10k
R13
10k
R49 10k
CLK OUT
32.768kHz
SCL
SDA
I2C
5V
GND
PSU
IC2
AMS1117 3v3
C3
100uF
RASPBERRY PI PICO 1/2
MMBASIC INTERPRETER
GP16
GP17
GND
GP18
GP19
GP20
GP21
GND
GP22
RUN
GP26
GP27
GND
GP28
ADC+
3V3
3V3 EN
GND
VSYS
VUSB
GP15
GP14
GND
GP13
GP12
GP11
GP10
GND
GP9
GP8
GP7
GP6
GND
GP5
GP4
GP3
GP2
GND
GP1
GP0
AUDIO FILTER NETWORK
R11
220
C7
33n
C9
68n
R12
220
L1
4.7mH
C10
68n
C8
33n
L2
4.7mH
C11
2n7
C12
2n7
PWR AMPLIFIER
SPK
ON/OFF
EXT
SPK
C16
1uF
C15
100nF
IC3
LM4871M/TC8002D
R19
100k
SD
BYP
+IN
-IN
VO2
GND
Vdd
VO1
R15
1k
R16
1k
C18
1uF
R55
10k
R54
22k
C17
220nF
AUDIO OUT
VUSB
VSYS (5V)
3V3
GND
C4
100n
C5
100n
C2
100uF
C1
100n
LVL SHIFTER
R68 R69 R70 R71
10k 10k 10k 10k
Q5
TSM650P03
Q6
Q8
2n7002
5VDC
RESET
3V3EN
ADC+
PS/2 MOUSE
VGA OUTPUT NETWORK
Win 16 Color Palette
install bridges 3-4
leave 1-2 open
R7
390
R10
390
R8
820
R60
820
R61
820
R9
390
R63
820
R62
820
VGA
LVL SHIFTER
R67 R66 R65 R64
10k 10k 10k 10k
Q7
Q6
2n7002
PS/2 KEYBOARD