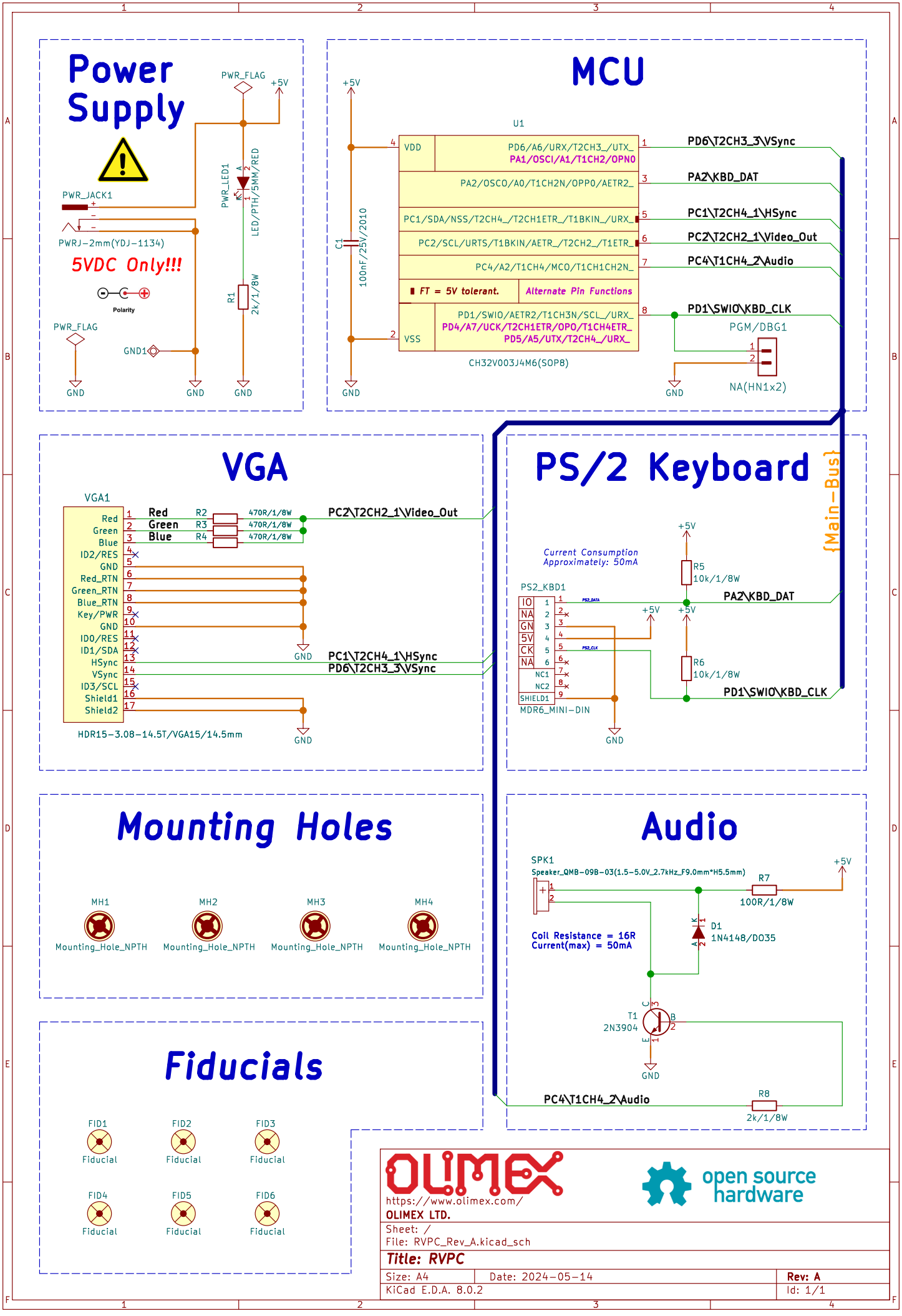
Power Supply
PWR_FLAG
+5V
PWR_JACK1
PWRJ-2mm(YDJ-1134)
5VDC Only!!!
Polarity
PWR_LED1
LED/PTH/5MM/RED
R1
2k/1/8W
GND1
GND
MCU
U1
VDD
VSS
PD6/A6/URX/T2CH3_/UTX_
PA1/OSCI/A1/T1CH2/OPN0
PA2/OSCO/A0/T1CH2N/OPP0/AETR2_
PC1/SDA/NSS/T2CH4_/T2CH1ETR_/T1BKIN_/URX_
PC2/SCL/URTS/T1BKIN/AETR_/T2CH2_/T1ETR_
PC4/A2/T1CH4/MCO/T1CH1CH2N_
FT = 5V tolerant.
Alternate Pin Functions
PD1/SWIO/AETR2/T1CH3N/SCL_/URX_
PD4/A7/UCK/T2CH1ETR/OPO/T1CH4ETR_
PD5/A5/UTX/T2CH4_/URX_
CH32V003J4M6(SOP8)
C1
100nF/25V/2010
PD6\T2CH3_3\VSync
PA2\KBD_DAT
PC1\T2CH4_1\HSync
PC2\T2CH2_1\Video_Out
PC4\T1CH4_2\Audio
PD1\SWIO\KBD_CLK
PGM/DBG1
NA(HN1x2)
VGA
VGA1
Red
Green
Blue
ID2/RES
GND
Red_RTN
Green_RTN
Blue_RTN
Key/PWR
ID0/RES
ID1/SDA
HSync
VSync
ID3/SCL
Shield1
Shield2
R2
R3
R4
470R/1/8W
PC2\T2CH2_1\Video_Out
PC1\T2CH4_1\HSync
PD6\T2CH3_3\VSync
HDR15-3.08-14.5T/VGA15/14.5mm
PS/2 Keyboard
{Main-Bus}
Current Consumption
Approximately: 50mA
PS2_KBD1
IO
NA
GN
5V
CK
NC1
NC2
SHIELD1
MDR6_MINI-DIN
R5
10k/1/8W
R6
10k/1/8W
PA2\KBD_DAT
PD1\SWIO\KBD_CLK
Mounting Holes
MH1
MH2
MH3
MH4
Mounting_Hole_NPTH
Audio
SPK1
Speaker_QMB-09B-03(1.5-5.0V_2.7kHz_F9.0mm*H5.5mm)
R7
100R/1/8W
D1
1N4148/DO35
Coil Resistance = 16R
Current(max) = 50mA
T1
2N3904
PC4\T1CH4_2\Audio
R8
2k/1/8W
Fiducials
FID1
FID2
FID3
FID4
FID5
FID6
Fiducial
https://www.olimex.com/
OLIMEX LTD.
open source hardware
Sheet: /
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Title: RVPC
Size: A4
Date: 2024-05-14
Rev: A
KiCad E.D.A. 8.0.2
Id: 1/1