Clocks Buttons – lights

File: Clocks_Buttons.kicad_sch

Memory

File: Memory.kicad_sch

Audio Video

File: Audio_Video.kicad_sch

STM32

File: STM32.kicad_sch

Connections

File: Connections.kicad_sch

Power

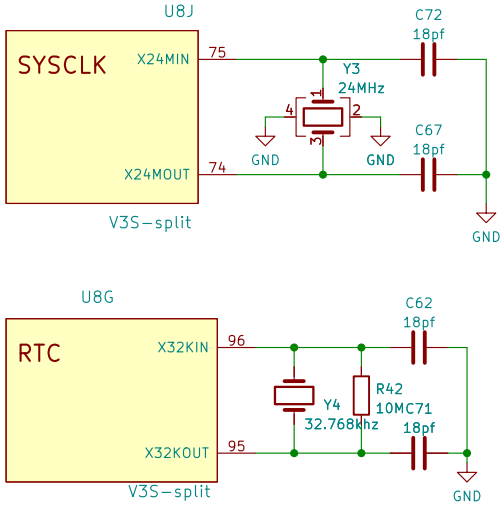
File: Power.kicad_sch

Sheet: /
File: lb_mp1.kicad_sch

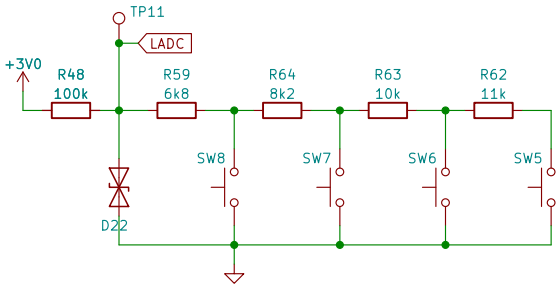
Title: OzzyBoard

Size: A3	Date: 2023-03-10	**Rev: 0.91**
KiCad E.D.A. kicad (6.0.8)		Id: 1/7

V3s Clocks



Buttons



Mounting holes

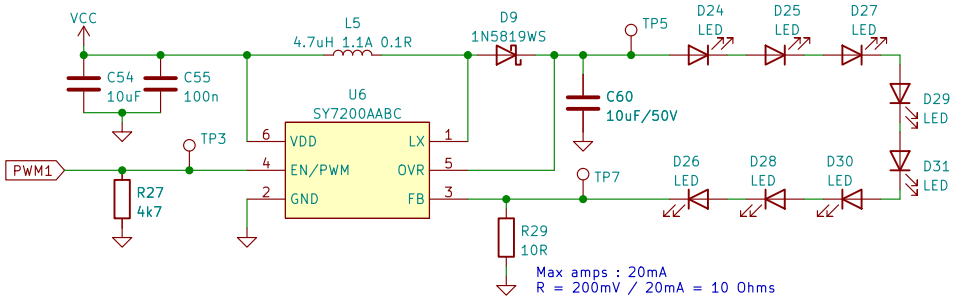
H1 MountingHole

H2 MountingHole

H3 MountingHole

H4 MountingHole

Backleds



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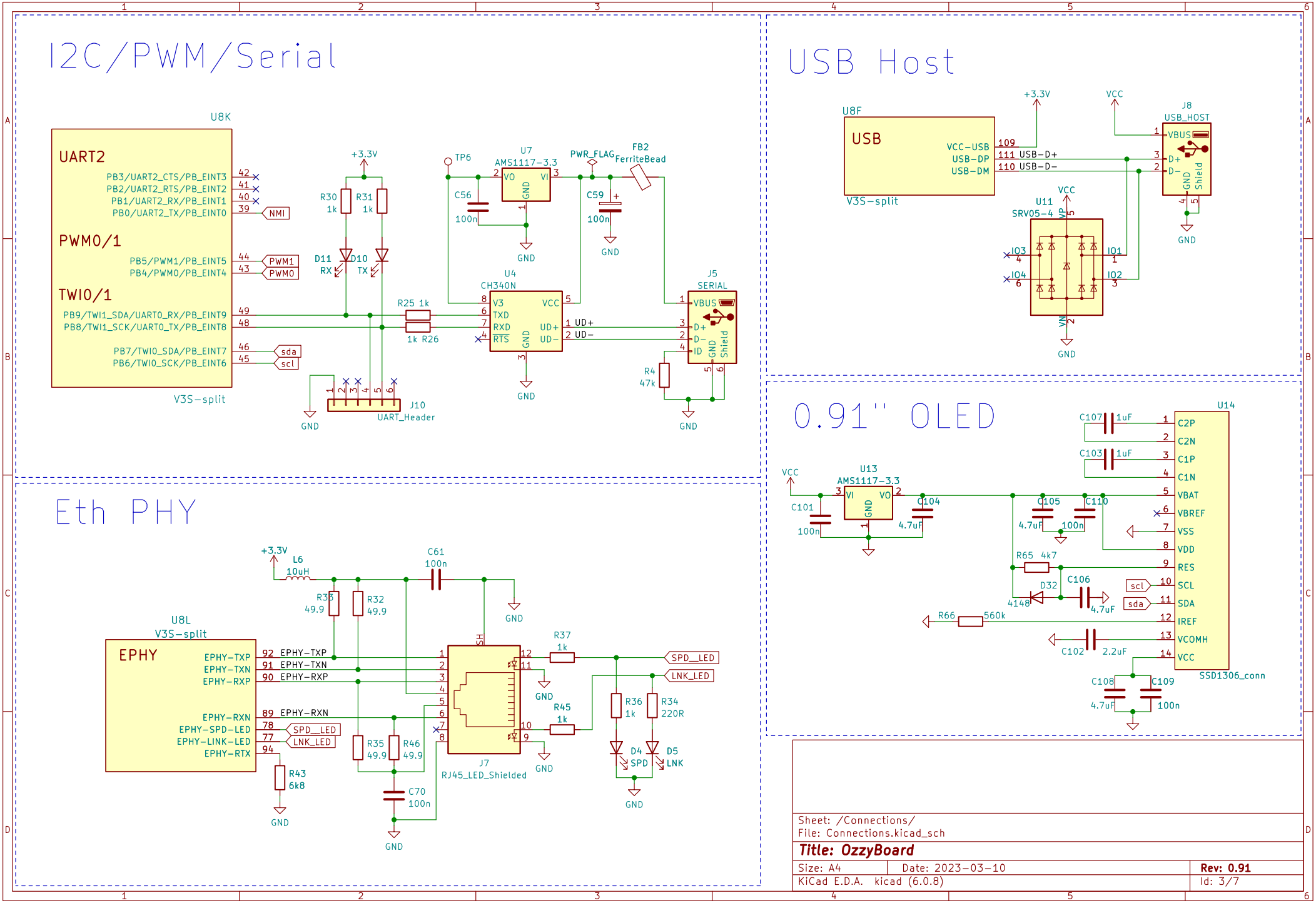
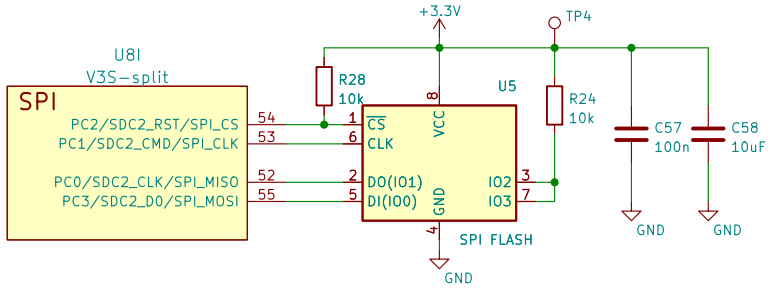
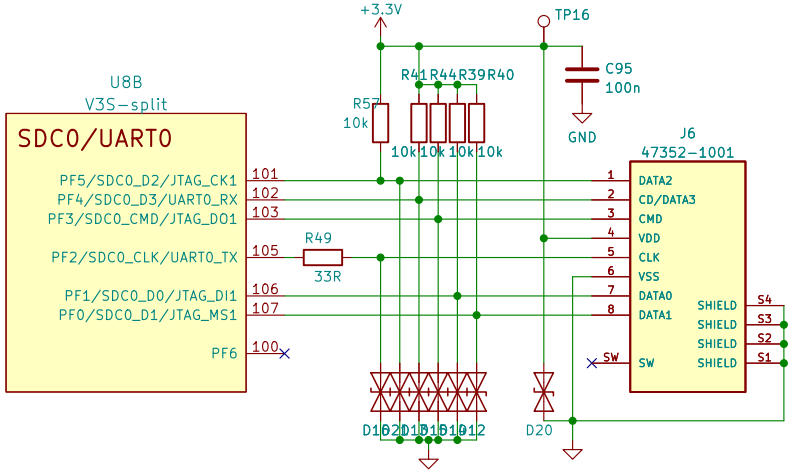
File: Clocks_Buttons.kicad_sch		
Title: OzzyBoard		
Size: A4	Date: 2023-03-10	**Rev: 0.91**
KiCad E.D.A. kicad (6.0.8)		Id: 2/7


I2C/PWM/Serial
U8K
UART2
PB3/UART2_CTS/PB_EINT3
PB2/UART2_RTS/PB_EINT2
PB1/UART2_RX/PB_EINT1
PB0/UART2_TX/PB_EINT0
NMI
PWM0/1
PB5/PWM1/PB_EINT5
PB4/PWM0/PB_EINT4
PWM1
PWM0
TWI0/1
PB9/TWI1_SDA/UART0_RX/PB_EINT9
PB8/TWI1_SCK/UART0_TX/PB_EINT8
PB7/TWI0_SDA/PB_EINT7
PB6/TWI0_SCK/PB_EINT6
sda
scl
V3S-split
+3.3V
R30 1k
R31 1k
D11 RX
D10 TX
R25 1k
1k R26
TP6
U7
AMS1117-3.3
C56 100n
C59 100n
PWR_FLAG
FB2 FerriteBead
U4
CH340N
V3
TXD
RXD
RTS
VCC
UD+
UD-
GND
J5
SERIAL
VBUS
D+
D-
ID
Shield
R4 47k
J10
UART_Header
USB Host
U8F
USB
VCC-USB
USB-DP
USB-DM
109
111 USB-D+
110 USB-D-
V3S-split
J8
USB_HOST
U11
SRV05-4
IO3
IO4
IO1
IO2
0.91'' OLED
U14
U13
AMS1117-3.3
C101 100n
C104 4.7uF
C107 1uF
C103 1uF
C105 4.7uF
C110 100n
C2P
C2N
C1P
C1N
VBAT
VBREF
VSS
VDD
RES
SCL
SDA
IREF
VCOMH
VCC
R65 4k7
D32 4148
C106 4.7uF
R66 560k
C102 2.2uF
C108 4.7uF
C109 100n
SSD1306_conn
Eth PHY
U8L
V3S-split
EPHY
EPHY-TXP
EPHY-TXN
EPHY-RXP
EPHY-RXN
EPHY-SPD-LED
EPHY-LINK-LED
EPHY-RTX
L6 10uH
C61 100n
R33 49.9
R32 49.9
R37 1k
R45 1k
R35 49.9
R46 49.9
R43 6k8
C70 100n
J7
RJ45_LED_Shielded
SPD_LED
LNK_LED
R36 1k
R34 220R
D4 SPD
D5 LNK
Sheet: /Connections/
File: Connections.kicad_sch
Title: OzzyBoard
Size: A4
Date: 2023-03-10
Rev: 0.91
KiCad E.D.A. kicad (6.0.8)
Id: 3/7

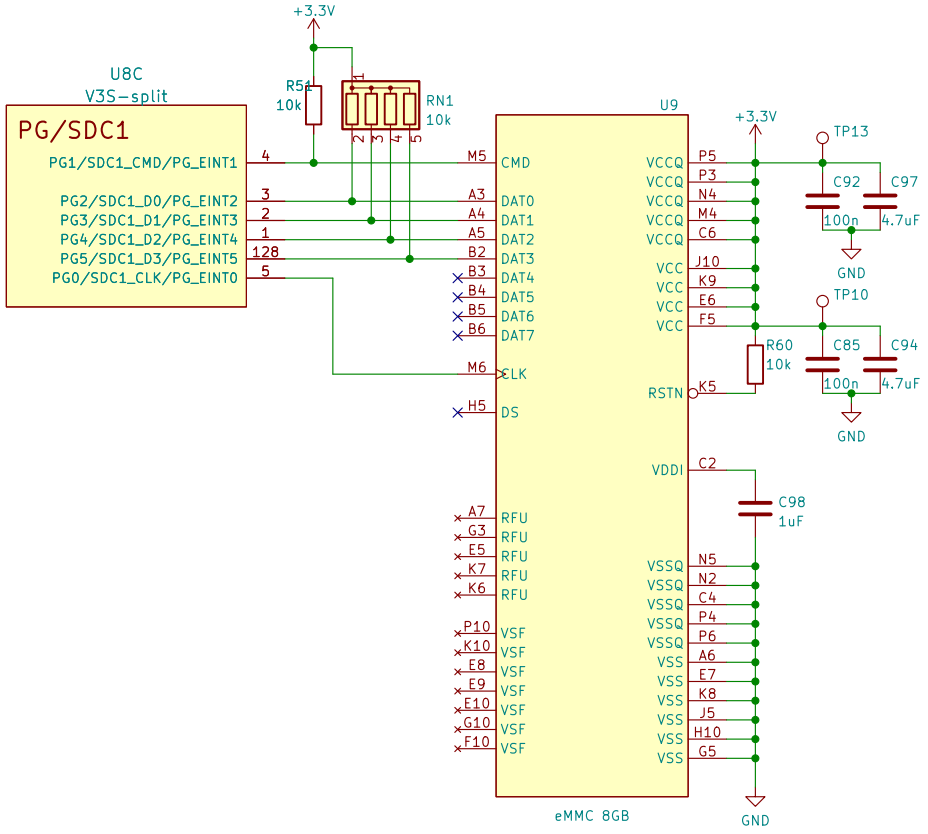
SPI NOR Flash



SD Card

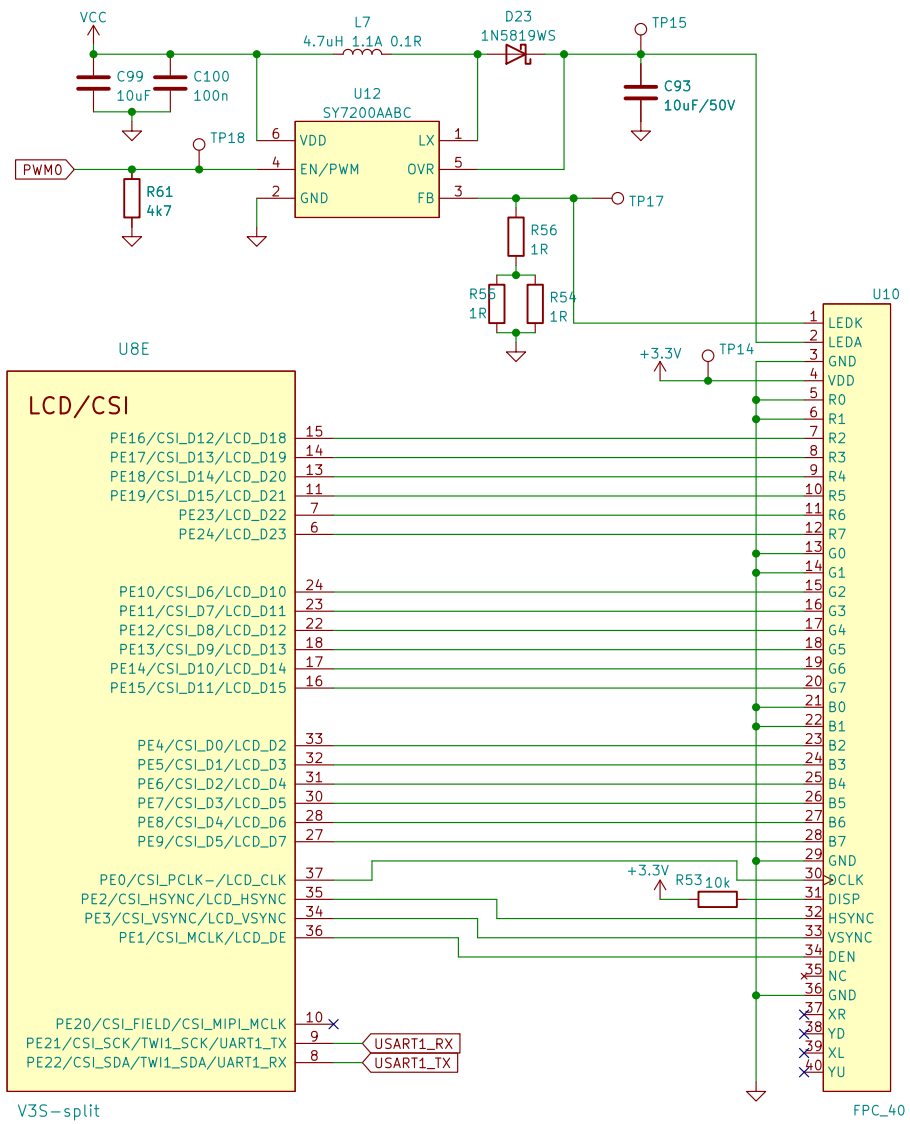


eMMC

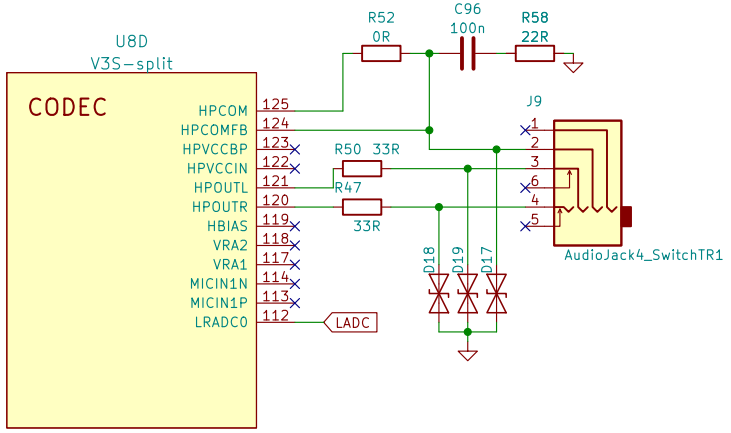


Sheet: /Memory/ File: Memory.kicad_sch		
Title: OzzyBoard		
Size: A4	Date: 2023-03-10	**Rev: 0.91**
KiCad E.D.A. kicad (6.0.8)		Id: 4/7

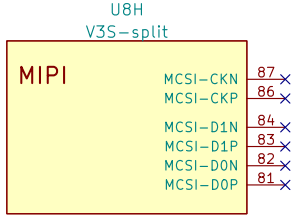
LCD 40 pins



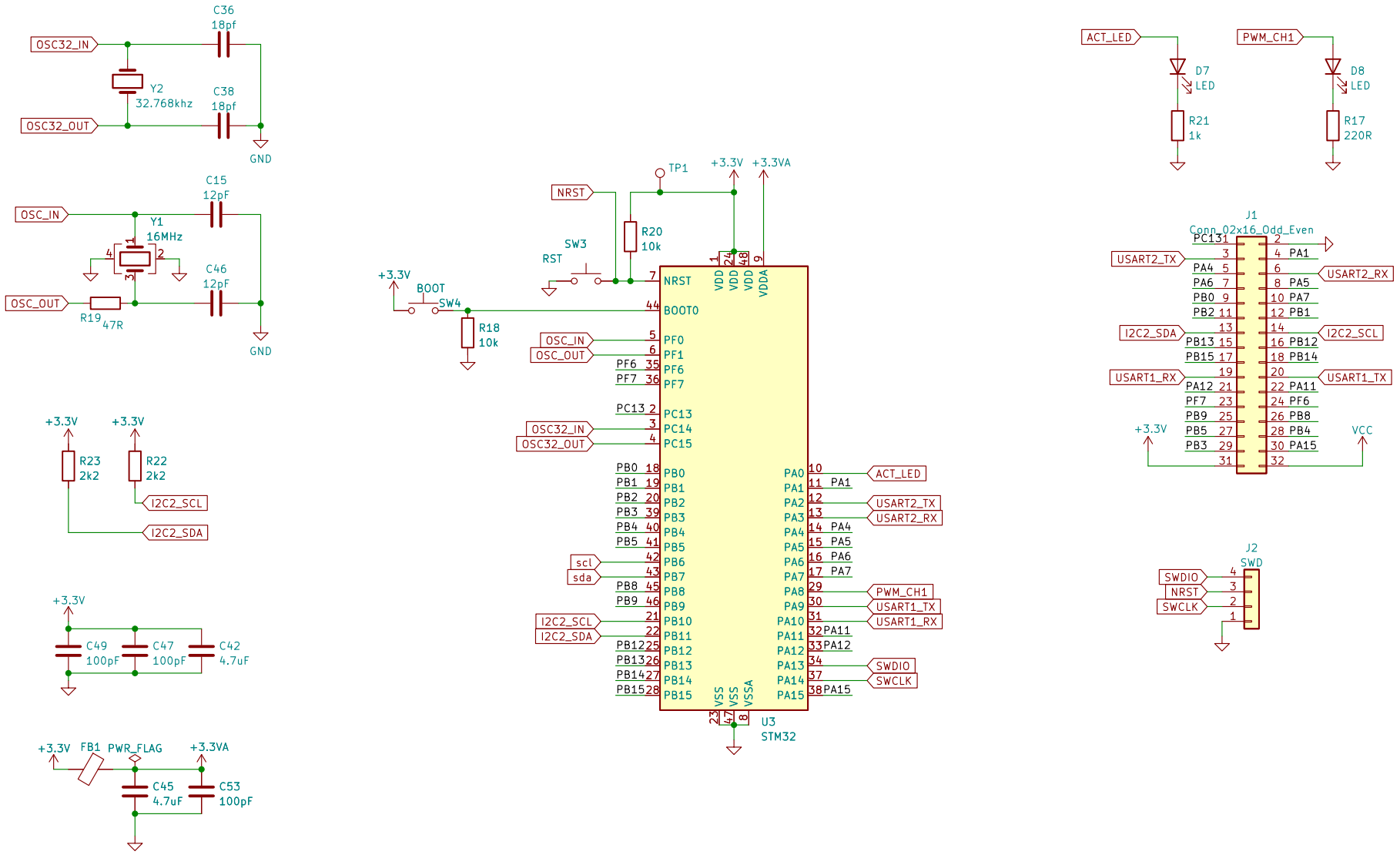
Audio jack



Camera

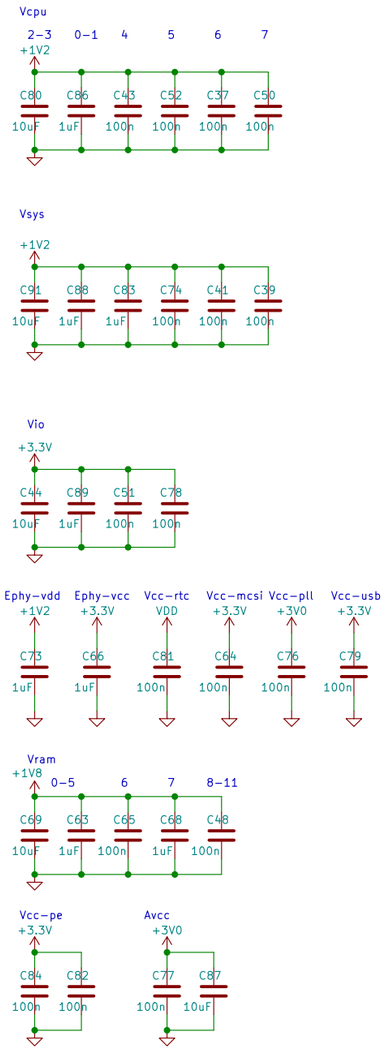


Sheet: /Audio Video/		
File: Audio_Video.kicad_sch		
Title: OzzyBoard		
Size: A4	Date: 2023-03-10	**Rev: 0.91**
KiCad E.D.A. kicad (6.0.8)		Id: 5/7

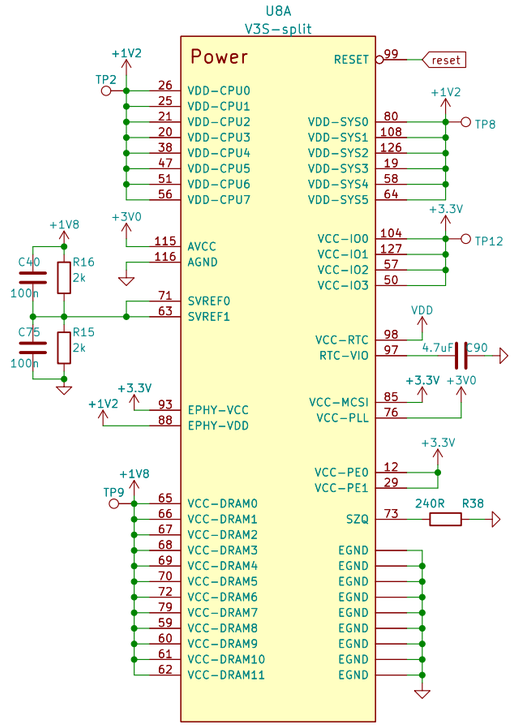


Sheet: /STM32/		
File: STM32.kicad_sch		
Title: OzzyBoard		
Size: A4	Date: 2023-03-10	**Rev: 0.91**
KiCad E.D.A. kicad (6.0.8)		Id: 6/7

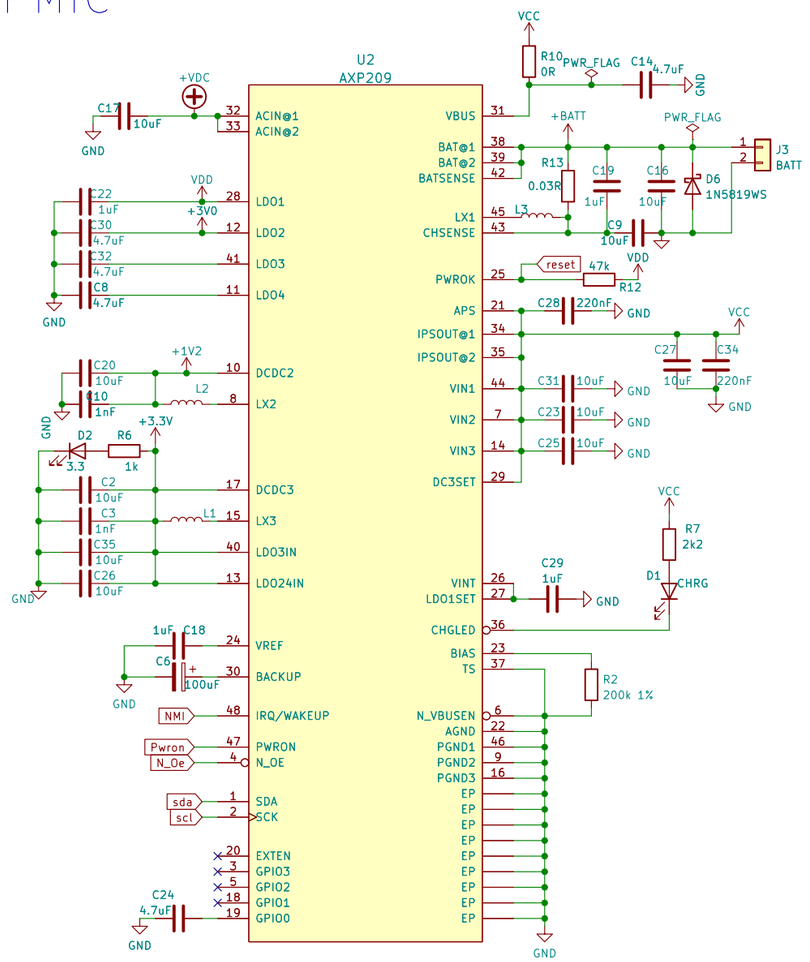
Decoupling



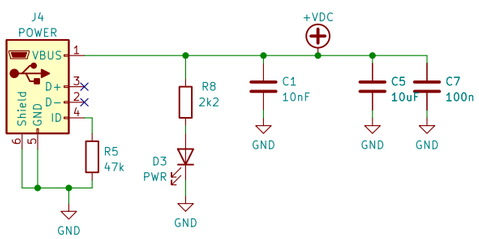
CPU



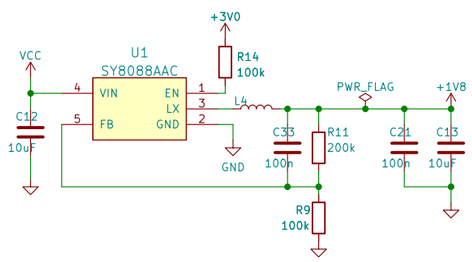
PMIC



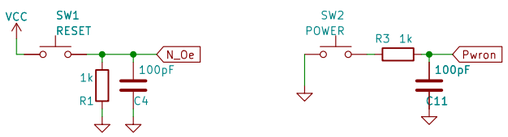
DC IN



DRAM



Reset & Power buttons



Sheet: /Power/		
File: Power.kicad_sch		
Title: OzzyBoard		
Size: A3	Date: 2023–03–10	**Rev: 0.91**
KiCad E.D.A. kicad (6.0.8)		Id: 7/7