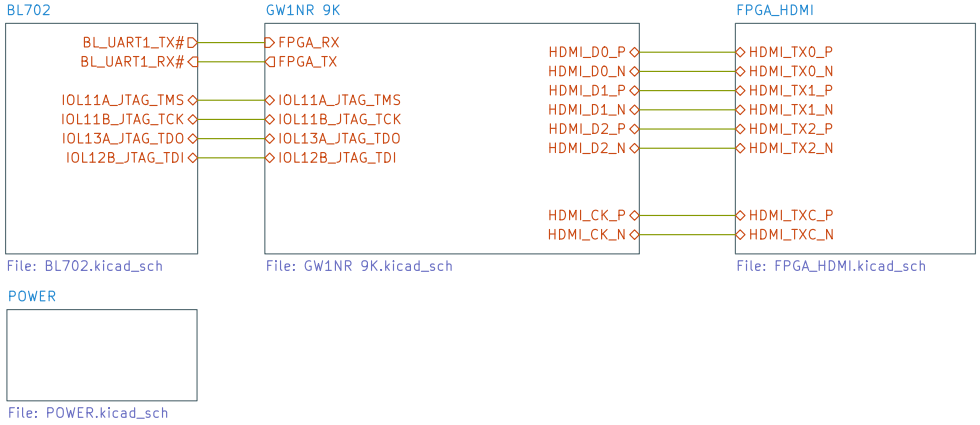
# Tang Nano 9K

Revision History

| Version | Date | Change Note |
|---|---|---|
| 6200 | 2021/9/XX | First edition |
| 6201 | 2022/6/11 | Fixed the name of this pin: PIN87_IOT6B_MODE1_1V8 |
| 6202 | 2022/10/23 | Fixed the silkscreen of S1 and S2 |



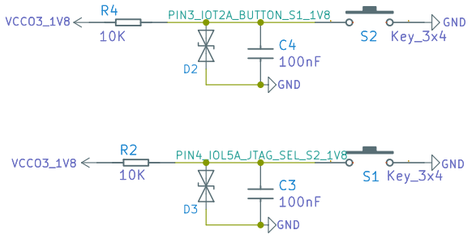

SiPEED

Sheet: /
File: Tang_Nano_9K_3672.kicad_sch

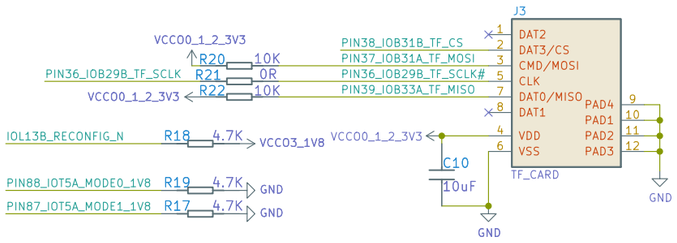
**Title: Tang GW1N 9K**

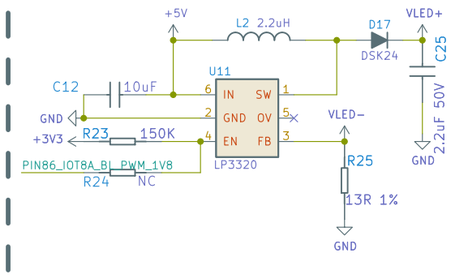
| Size: A4 | Date: 2021-09-22 | **Rev: NO.01** |
|---|---|---|
| KiCad E.D.A. kicad (6.0.8) | | Id: 1/5 |

## Button x 2

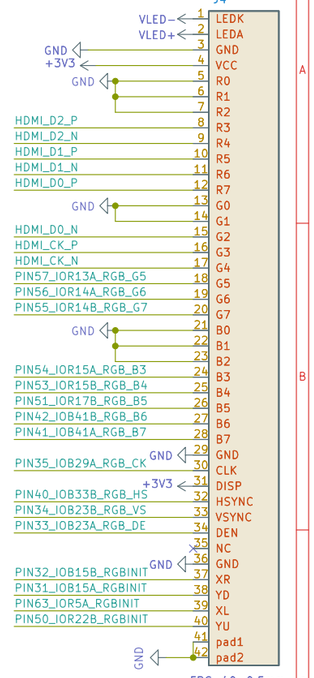



## TF CARD

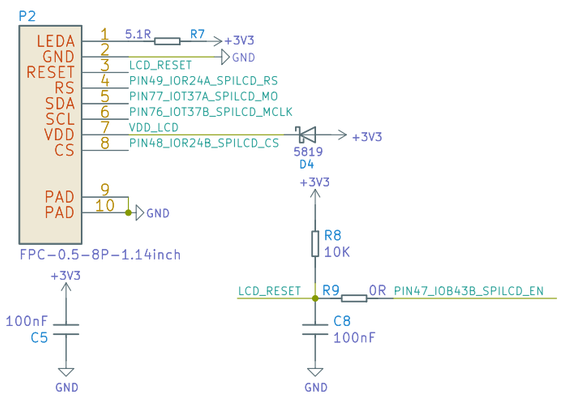


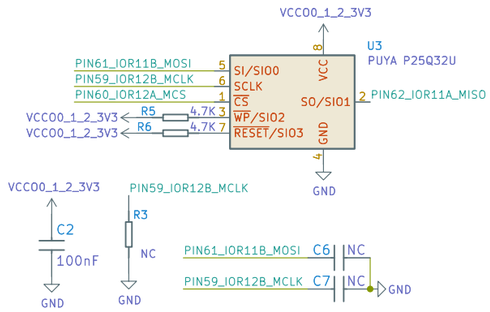

## RGB LCD



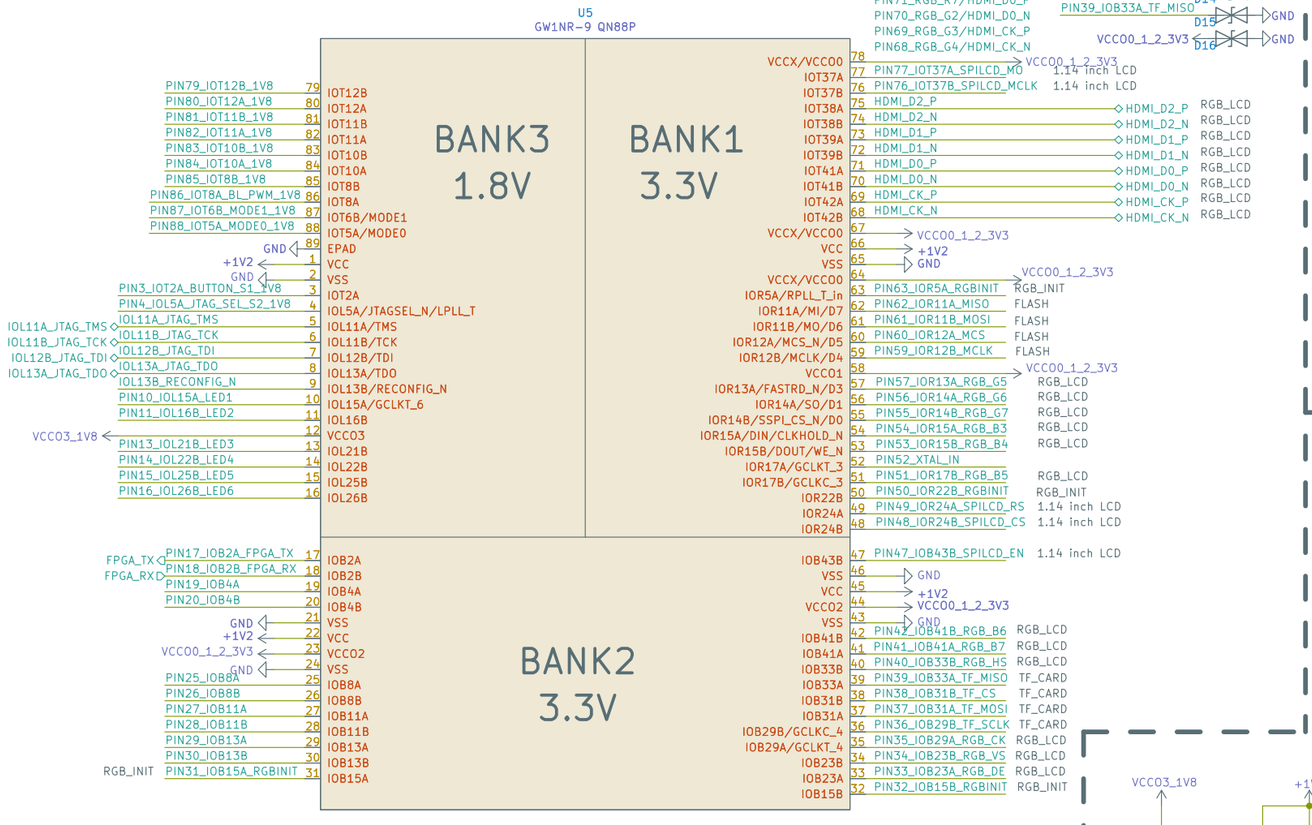

## 1.14inch LCD



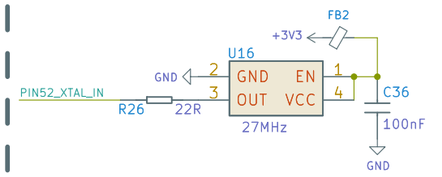

## SPI FLASH



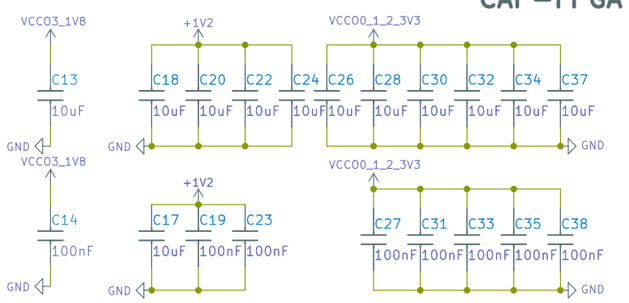

## U5 GW1NR-9 QN88P




## XTAL

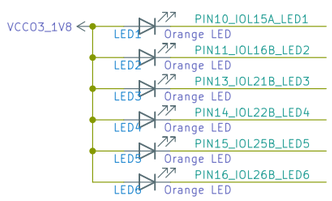



## CAP-FPGA




## Connector

## LED x 7




SiPEED

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File: GW1NR 9K.kicad_sch

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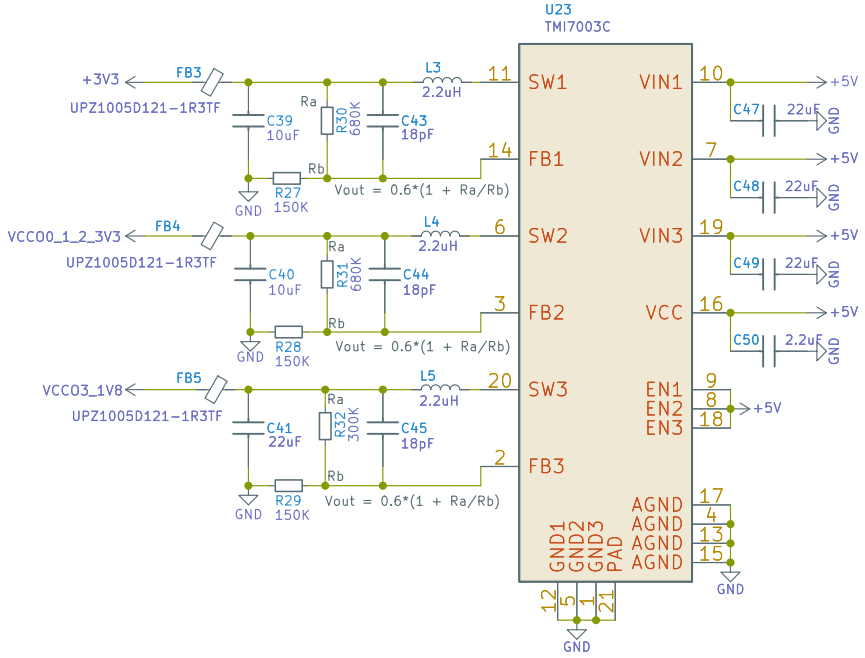


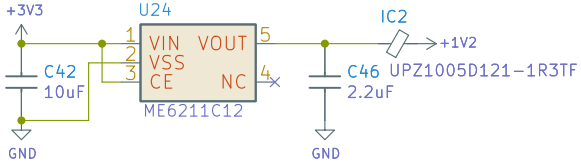


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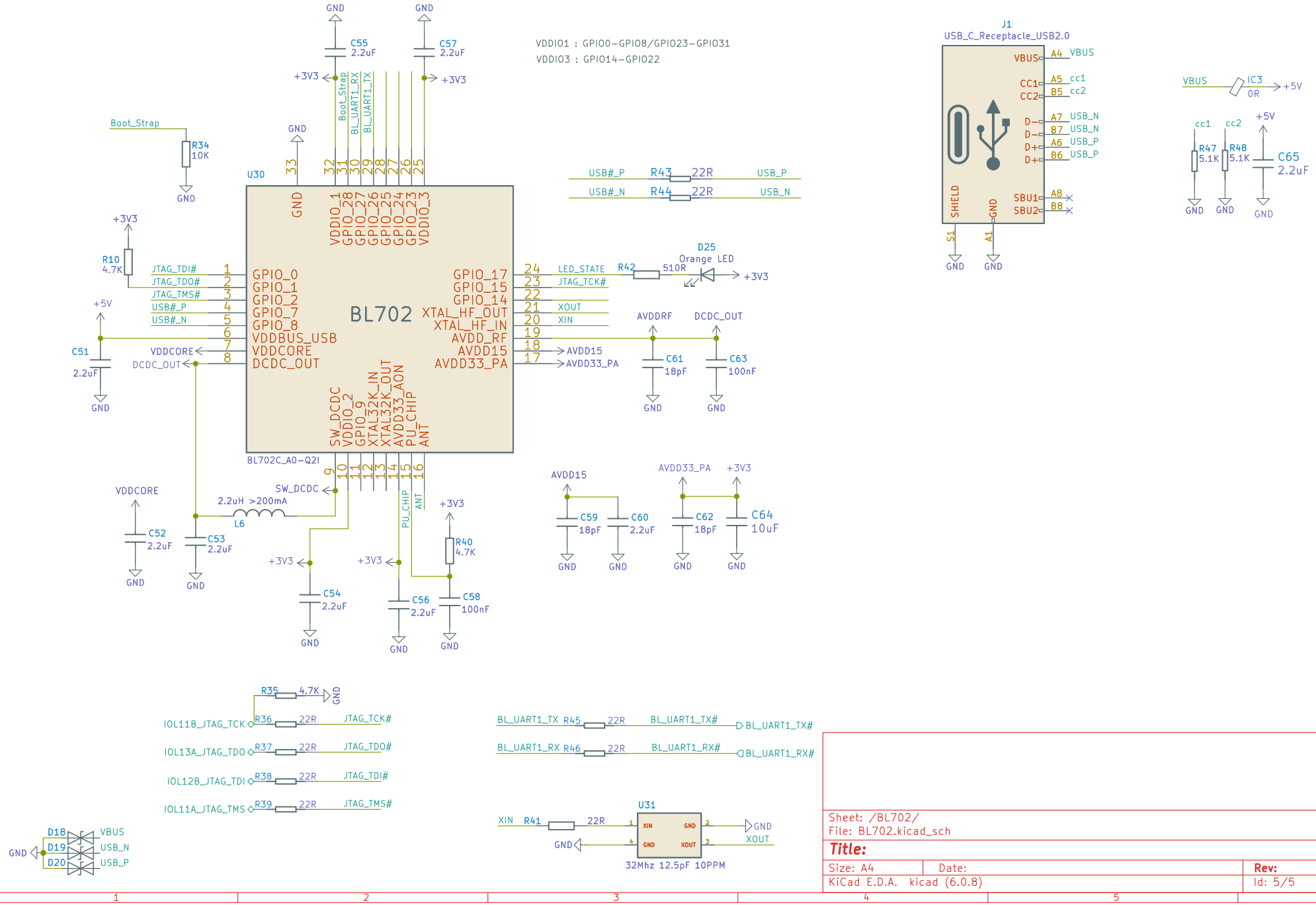
| KiCad E.D.A. kicad (6.0.8) | | Id: 4/5 |


VDDIO1 : GPIO0-GPIO8/GPIO23-GPIO31
VDDIO3 : GPIO14-GPIO22
U30
BL702
BL702C_A0-Q2I
GPIO_0
GPIO_1
GPIO_2
GPIO_7
GPIO_8
VDDBUS_USB
VDDCORE
DCDC_OUT
GPIO_17
GPIO_15
GPIO_14
XTAL_HF_OUT
XTAL_HF_IN
AVDD_RF
AVDD15
AVDD33_PA
SW_DCDC
VDDIO_2
GPIO_9
XTAL32K_IN
XTAL32K_OUT
AVDD33_AON
PU_CHIP
ANT
GND
VDDIO_1
GPIO_28
GPIO_27
GPIO_26
GPIO_25
GPIO_24
GPIO_23
VDDIO_3
Boot_Strap
BL_UART1_RX
BL_UART1_TX
JTAG_TDI#
JTAG_TDO#
JTAG_TMS#
USB#_P
USB#_N
LED_STATE
JTAG_TCK#
XOUT
XIN
R34 10K
R10 4.7K
R42 510R
D25 Orange LED
R43 22R
R44 22R
C51 2.2uF
C52 2.2uF
C53 2.2uF
C54 2.2uF
C55 2.2uF
C56 2.2uF
C57 2.2uF
C58 100nF
C59 18pF
C60 2.2uF
C61 18pF
C62 18pF
C63 100nF
C64 10uF
C65 2.2uF
L6 2.2uH >200mA
R40 4.7K
R35 4.7K
R36 22R
R37 22R
R38 22R
R39 22R
R41 22R
R45 22R
R46 22R
R47 5.1K
R48 5.1K
IC3 0R
J1
USB_C_Receptacle_USB2.0
VBUS
CC1
CC2
D-
D+
SBU1
SBU2
SHIELD
A4 VBUS
A5 cc1
B5 cc2
A7 USB_N
B7 USB_N
A6 USB_P
B6 USB_P
A8
B8
S1
A1
IOL11B_JTAG_TCK
IOL13A_JTAG_TDO
IOL12B_JTAG_TDI
IOL11A_JTAG_TMS
BL_UART1_TX#
BL_UART1_RX#
U31
32Mhz 12.5pF 10PPM
D18
D19
D20
USB_N
USB_P
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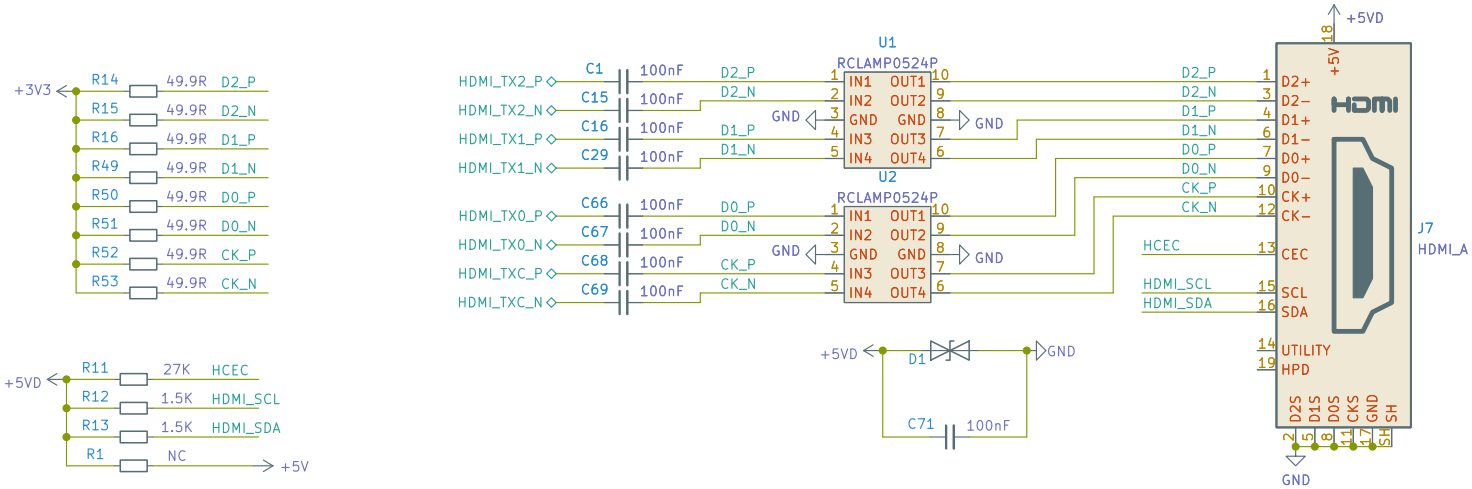
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (6.0.8)
Id: 5/5

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| KiCad E.D.A. kicad (6.0.8) | | Id: 5/5 |