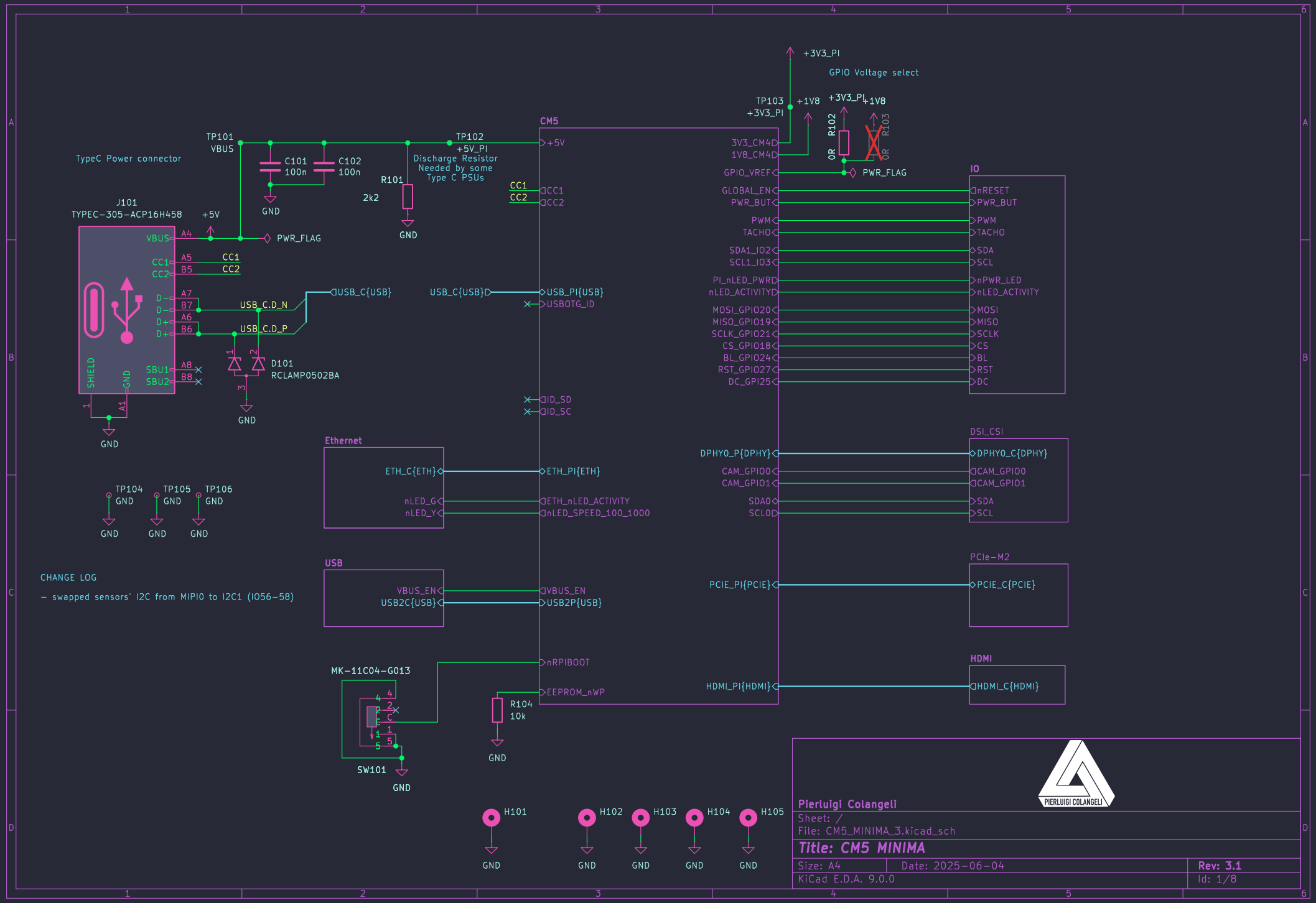
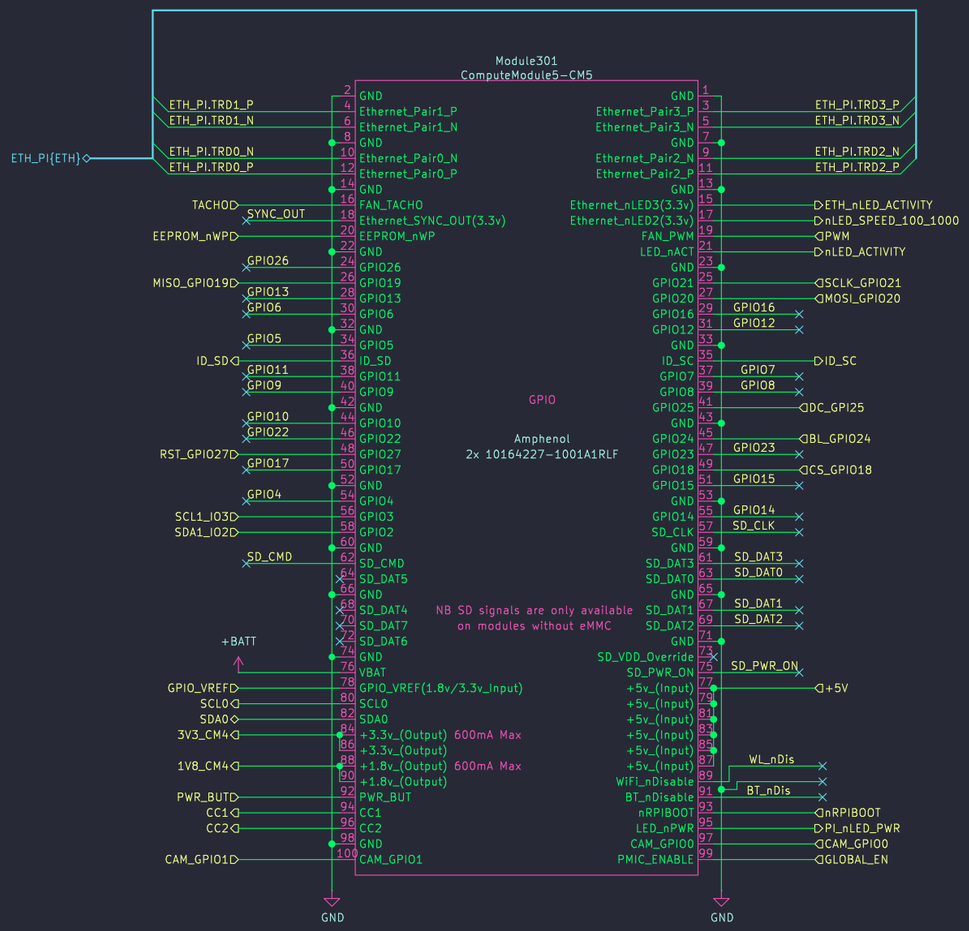
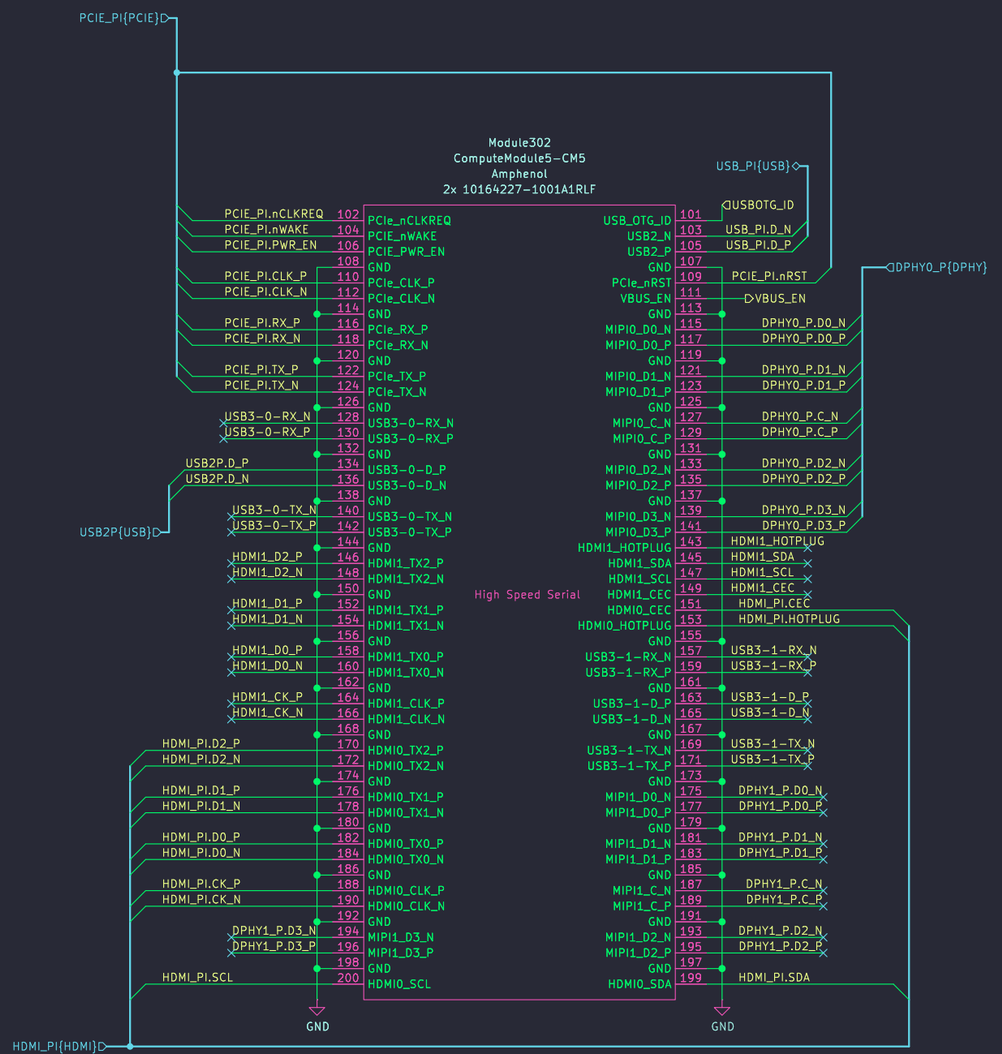
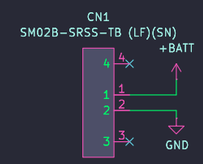

TypeC Power connector
TP101
VBUS
C101
100n
C102
100n
GND
TP102
+5V_PI
Discharge Resistor
Needed by some
Type C PSUs
R101
2k2
GND
J101
TYPEC-305-ACP16H458
+5V
PWR_FLAG
VBUS
CC1
CC2
D-
D-
D+
D+
SHIELD
GND
SBU1
SBU2
USB_C.D_N
USB_C.D_P
D101
RCLAMP0502BA
GND
GND
USB_C{USB}
USB_C{USB}
USB_PI{USB}
USBOTG_ID
ID_SD
ID_SC
CM5
+5V
CC1
CC2
3V3_CM4
1V8_CM4
GPIO_VREF
GLOBAL_EN
PWR_BUT
PWM
TACHO
SDA1_IO2
SCL1_IO3
PI_nLED_PWRD
nLED_ACTIVITY
MOSI_GPIO20
MISO_GPIO19
SCLK_GPIO21
CS_GPIO18
BL_GPIO24
RST_GPIO27
DC_GPI25
+3V3_PI
GPIO Voltage select
TP103
+3V3_PI
+1V8
+3V3_PI
+1V8
R102
0R
R103
0R
PWR_FLAG
IO
nRESET
PWR_BUT
PWM
TACHO
SDA
SCL
nPWR_LED
nLED_ACTIVITY
MOSI
MISO
SCLK
CS
BL
RST
DC
Ethernet
ETH_C{ETH}
nLED_G
nLED_Y
ETH_PI{ETH}
ETH_nLED_ACTIVITY
nLED_SPEED_100_1000
DSI_CSI
DPHY0_P{DPHY}
CAM_GPIO0
CAM_GPIO1
SDA0
SCL0
DPHY0_C{DPHY}
CAM_GPIO0
CAM_GPIO1
SDA
SCL
TP104
TP105
TP106
GND
GND
GND
GND
GND
GND
CHANGE LOG
– swapped sensors' I2C from MIPI0 to I2C1 (IO56–58)
USB
VBUS_EN
USB2C{USB}
VBUS_EN
USB2P{USB}
PCIe-M2
PCIE_PI{PCIE}
PCIE_C{PCIE}
HDMI
HDMI_PI{HDMI}
HDMI_C{HDMI}
MK-11C04-G013
SW101
GND
nRPIBOOT
EEPROM_nWP
R104
10k
GND
H101
H102
H103
H104
H105
GND
GND
GND
GND
GND
Pierluigi Colangeli
Sheet: /
File: CM5_MINIMA_3.kicad_sch
Title: CM5 MINIMA
Size: A4
Date: 2025-06-04
Rev: 3.1
KiCad E.D.A. 9.0.0
Id: 1/8

[CM5]







CM mechanicals

M303
Compute-Module-4_H1.5mm
DNP

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Sheet: /CM5/
File: CM5.kicad_sch

Title: CM5 MINIMA

Size: A3	Date: 2025-06-04	Rev: 3.1
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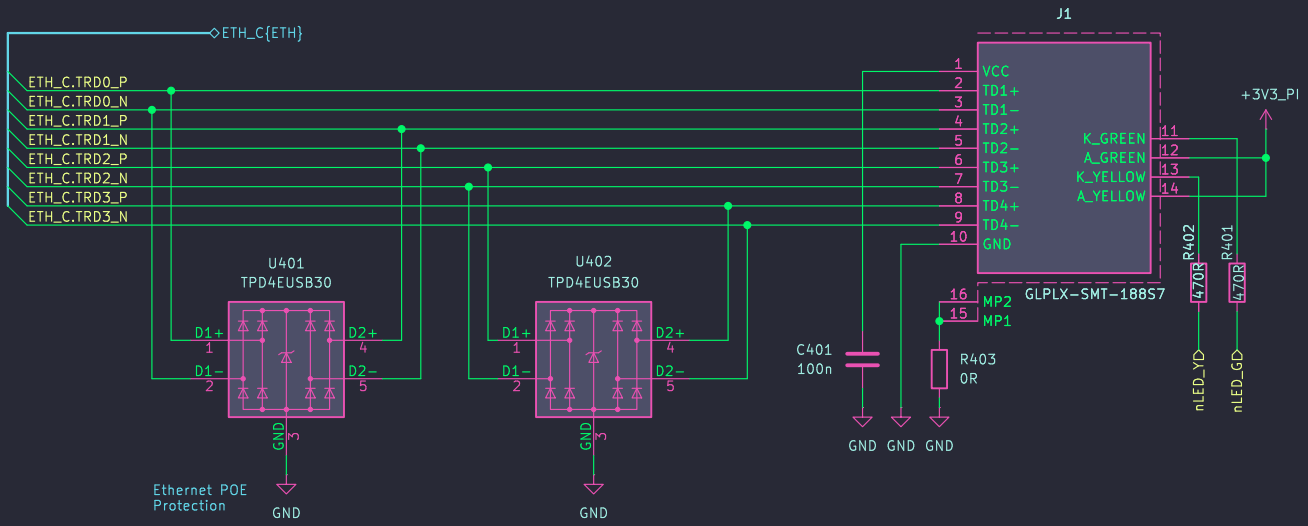
[ETHERNET]



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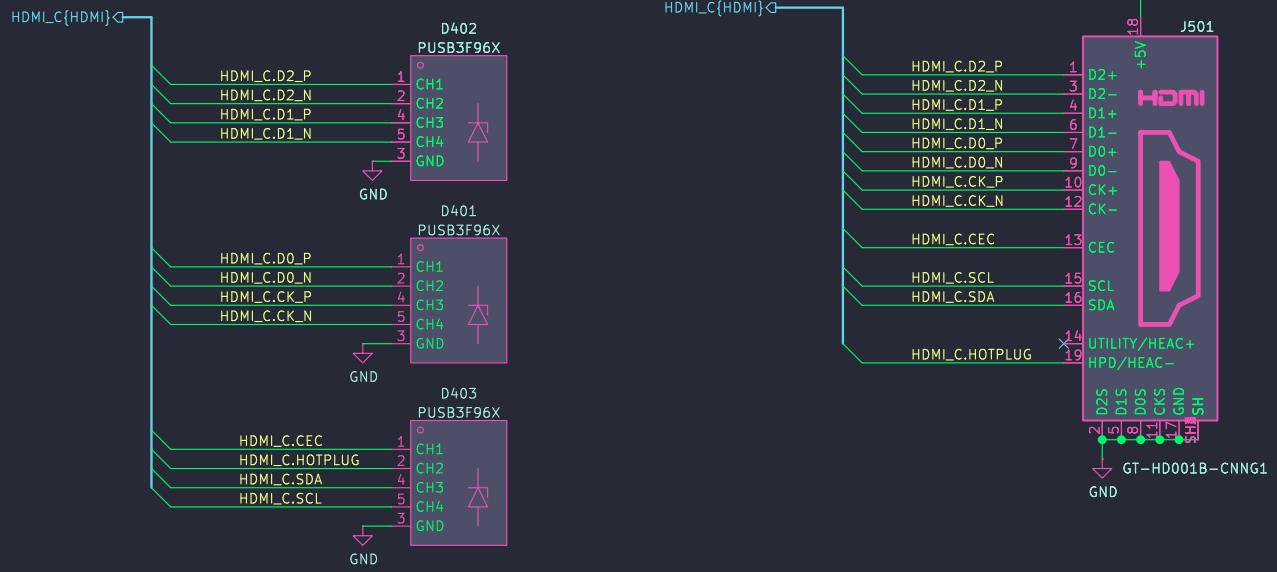
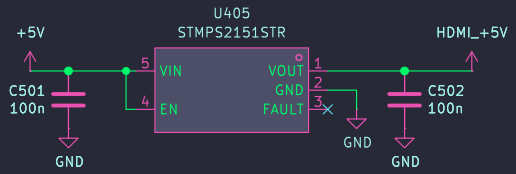
Size: A5	Date: 2025-06-04	**Rev: 3.1**
KiCad E.D.A. 9.0.0		Id: 4/8

[HDMI]





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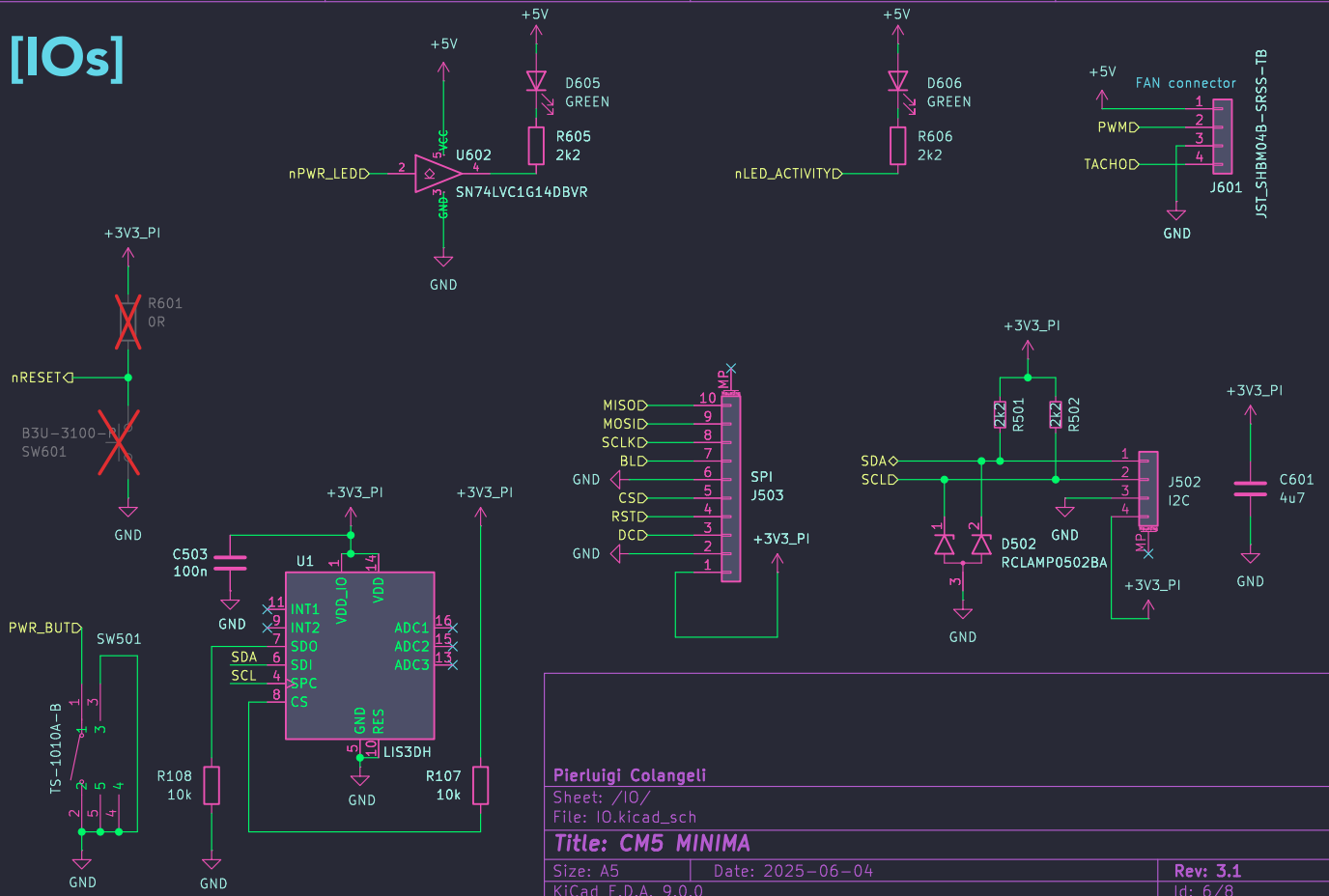
KiCad E.D.A. 9.0.0		Id: 5/8

[IOs]



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Title: CM5 MINIMA

Size: A5	Date: 2025-06-04	**Rev: 3.1**
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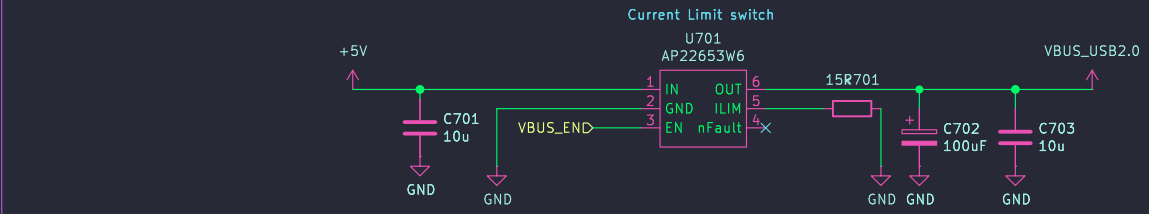
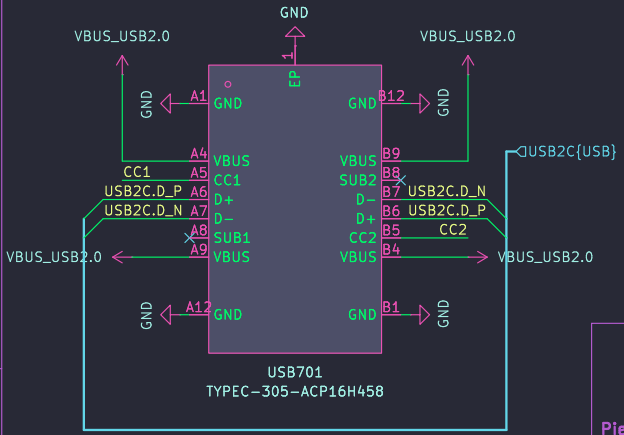
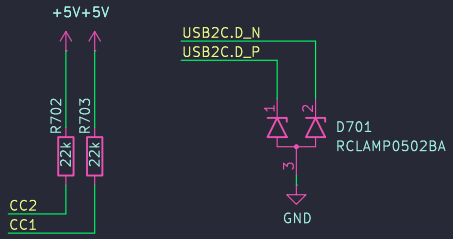
[USB2.0]







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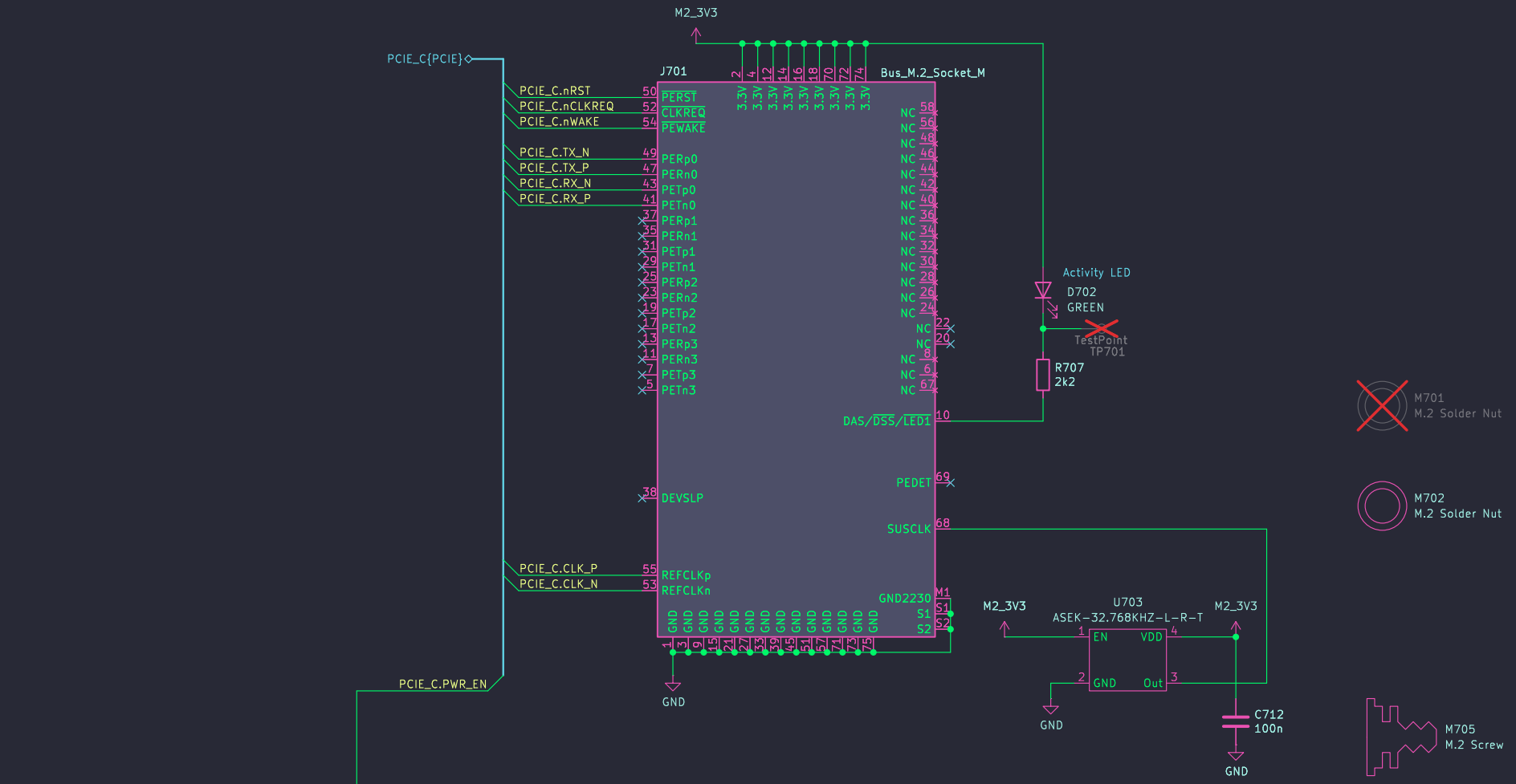
Title: CM5 MINIMA		
Size: A5	Date: 2025−06−04	**Rev: 3.1**
KiCad E.D.A. 9.0.0		Id: 7/8

[PCIe-M.2]



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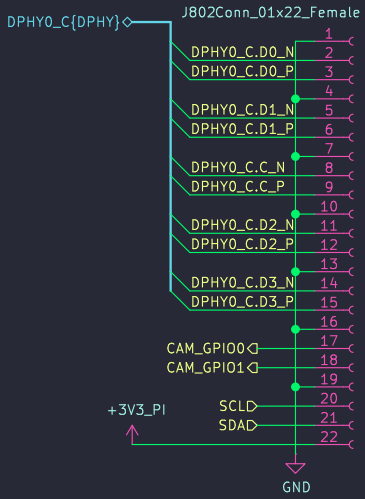
Title: CM5 MINIMA

Size: A4	Date: 2025-06-04	**Rev: 3.1**
KiCad E.D.A. 9.0.0		Id: 7/8

[DSI_CSI]



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Sheet: /DSI_CSI/
File: DSI_CSI.kicad_sch

Title: CM5 MINIMA

Size: A5	Date: 2025-06-04	**Rev: 3.1**
KiCad E.D.A. 9.0.0		Id: 8/8