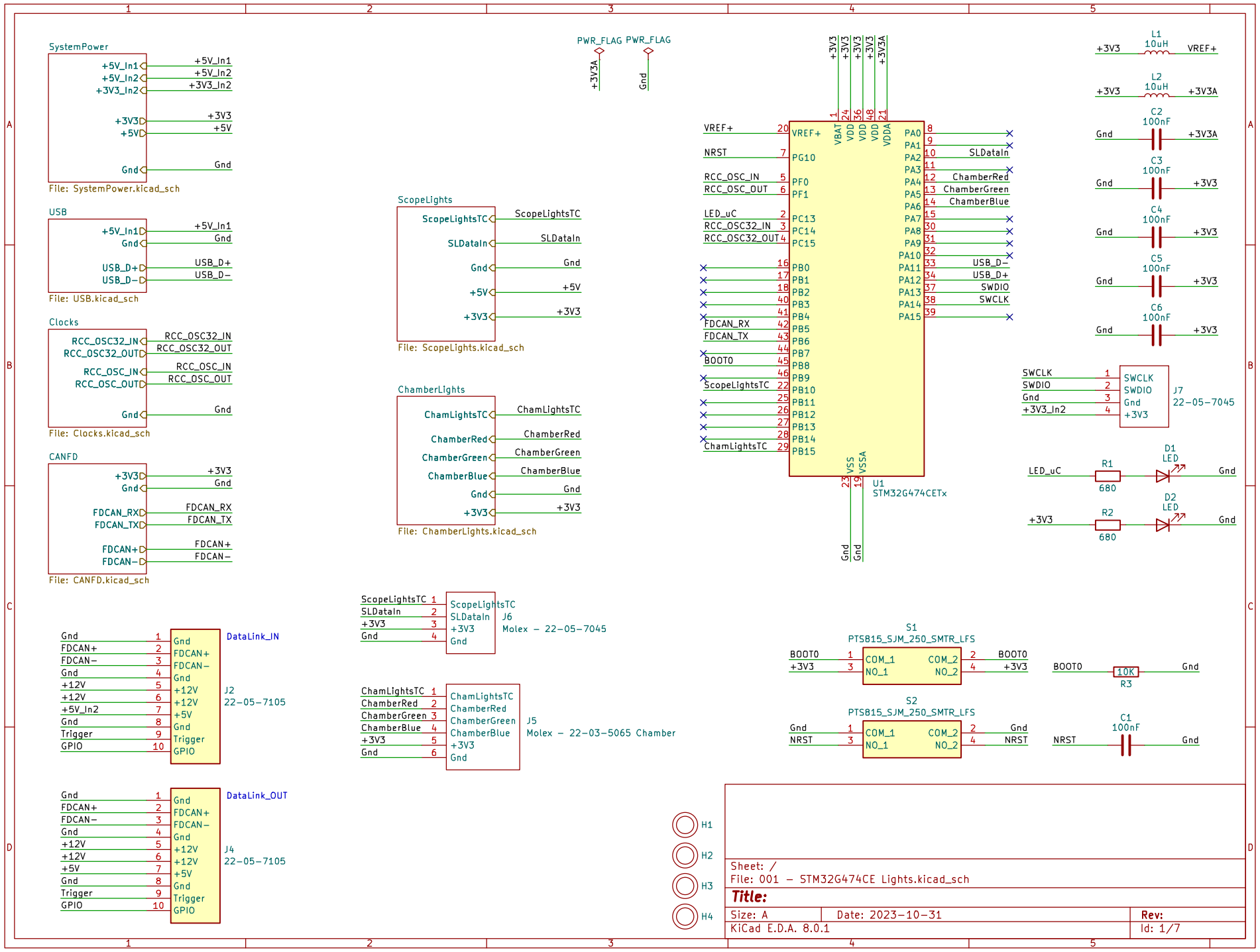
SystemPower
+5V_In1
+5V_In2
+3V3_In2
+3V3
+5V
Gnd
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USB
USB_D+
USB_D−
File: USB.kicad_sch
Clocks
RCC_OSC32_IN
RCC_OSC32_OUT
RCC_OSC_IN
RCC_OSC_OUT
File: Clocks.kicad_sch
CANFD
FDCAN_RX
FDCAN_TX
FDCAN+
FDCAN−
File: CANFD.kicad_sch
PWR_FLAG
ScopeLights
ScopeLightsTC
SLDataIn
File: ScopeLights.kicad_sch
ChamberLights
ChamLightsTC
ChamberRed
ChamberGreen
ChamberBlue
File: ChamberLights.kicad_sch
U1
STM32G474CETx
VREF+
NRST
RCC_OSC_IN
RCC_OSC_OUT
LED_uC
RCC_OSC32_IN
RCC_OSC32_OUT
BOOT0
SLDataIn
ChamberRed
ChamberGreen
ChamberBlue
USB_D−
USB_D+
SWDIO
SWCLK
L1
10uH
L2
10uH
C1
100nF
C2
100nF
C3
100nF
C4
100nF
C5
100nF
C6
100nF
J7
22−05−7045
D1
LED
D2
LED
R1
680
R2
680
R3
10K
S1
PTSB15_SJM_250_SMTR_LFS
S2
PTSB15_SJM_250_SMTR_LFS
J2
22−05−7105
DataLink_IN
J4
22−05−7105
DataLink_OUT
J6
Molex − 22−05−7045
J5
Molex − 22−03−5065 Chamber
H1
H2
H3
H4
Sheet: /
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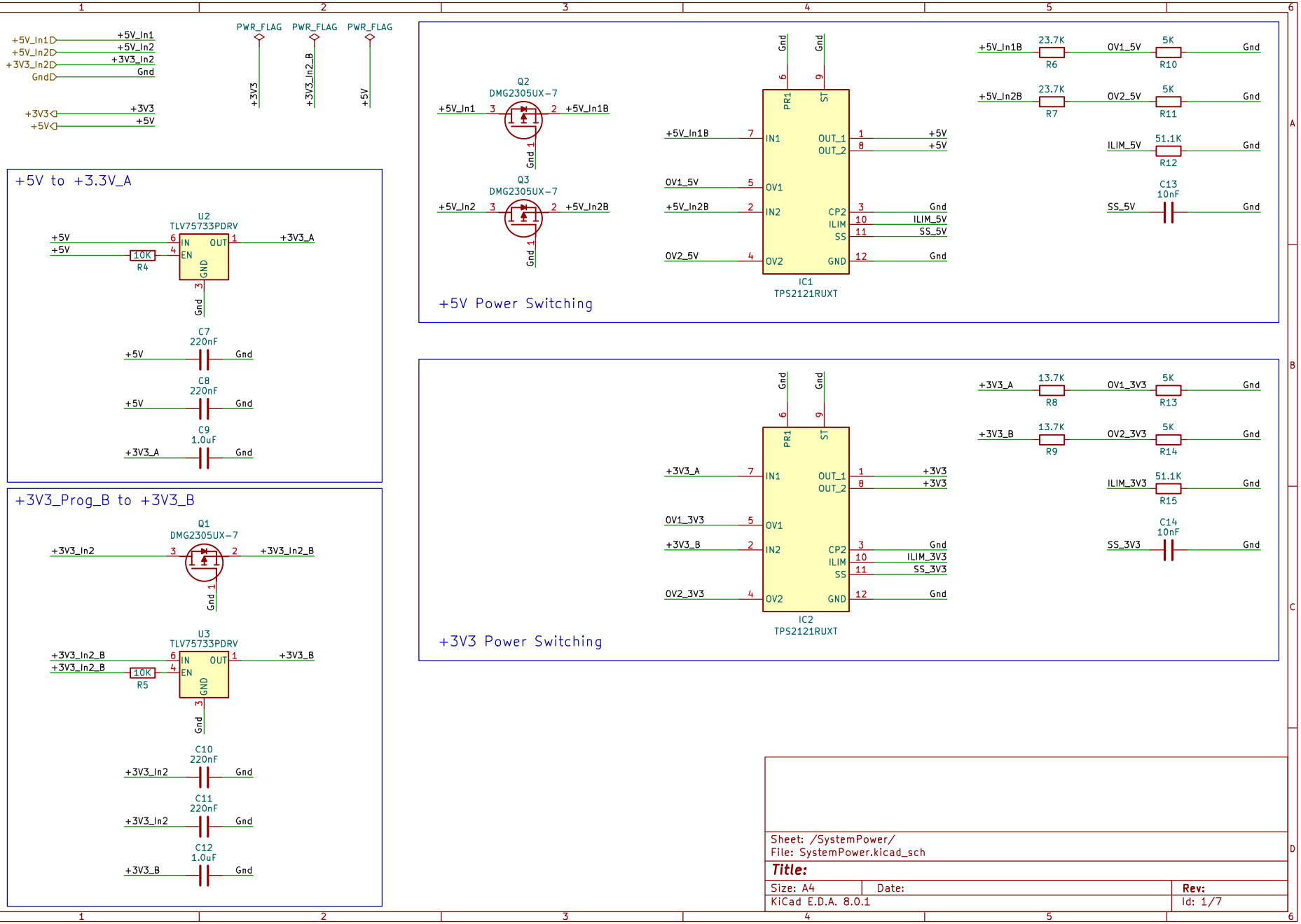
Size: A
Date: 2023−10−31
Rev:
KiCad E.D.A. 8.0.1
Id: 1/7



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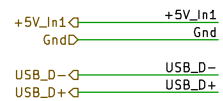
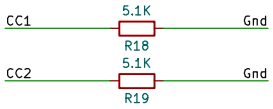
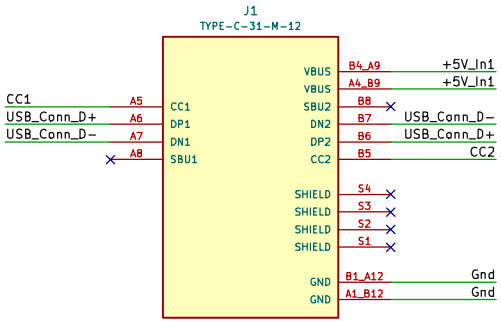
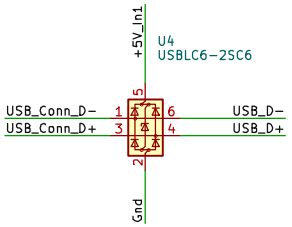
KiCad E.D.A. 8.0.1		Id: 1/7









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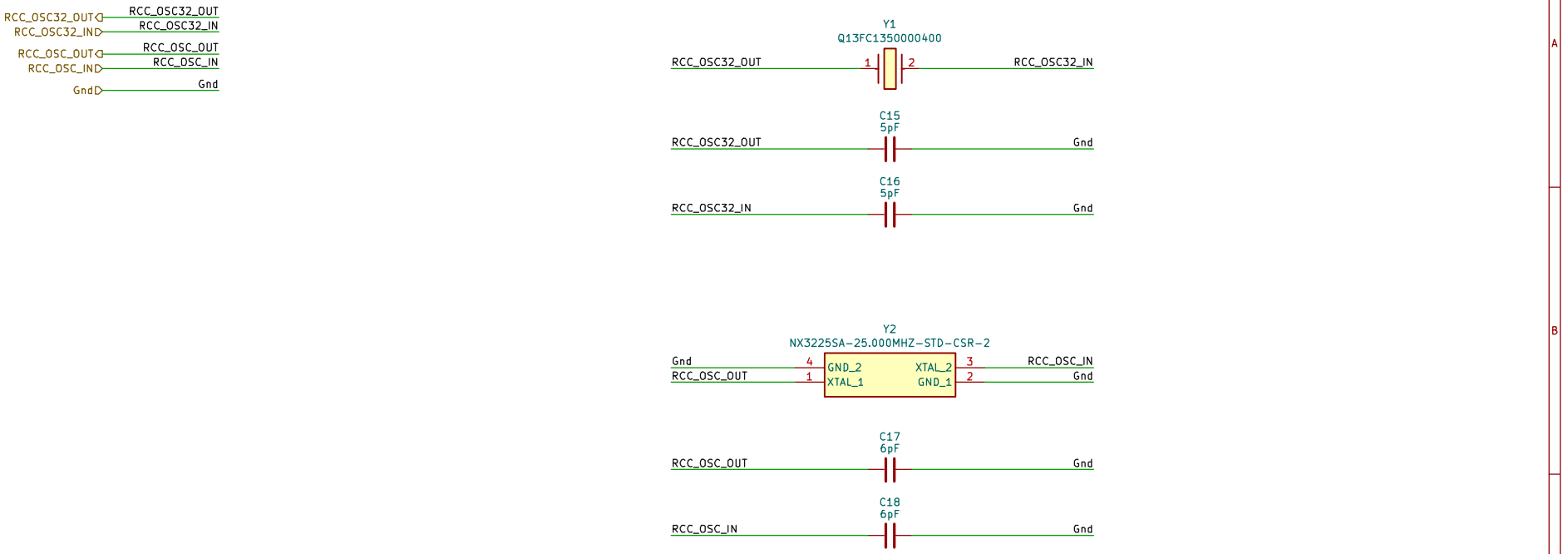
KiCad E.D.A. 8.0.1		Id: 1/7



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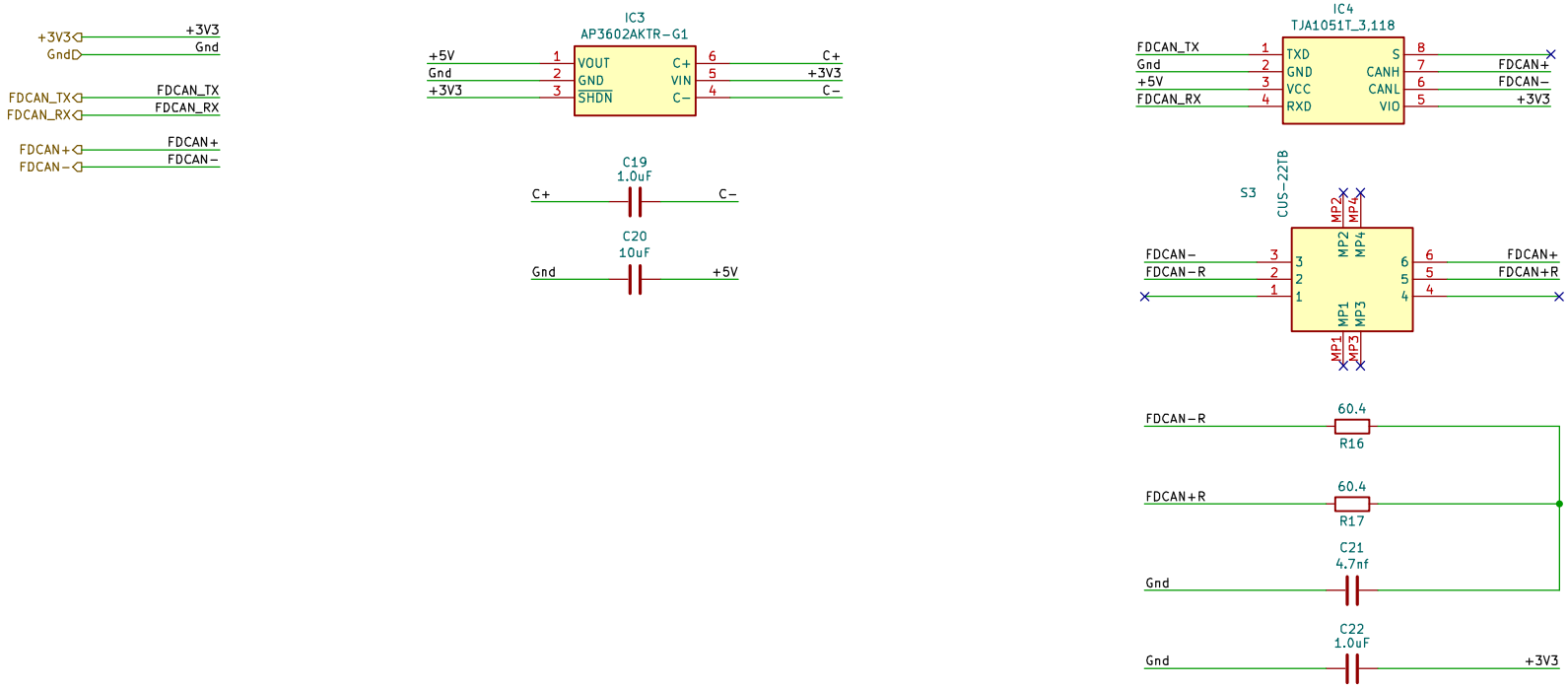
KiCad E.D.A. 8.0.1		Id: 1/7



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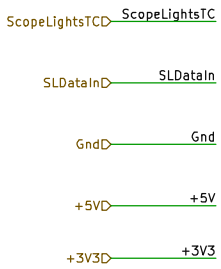

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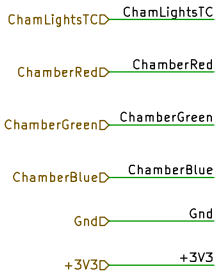
KiCad E.D.A. 8.0.1		Id: 1/7



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