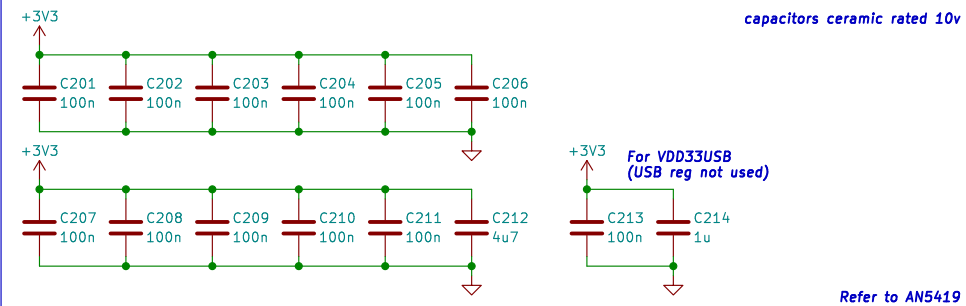
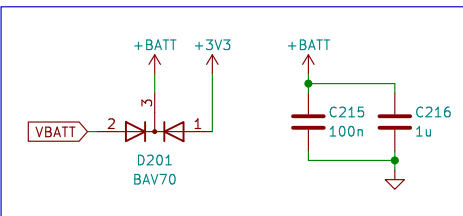


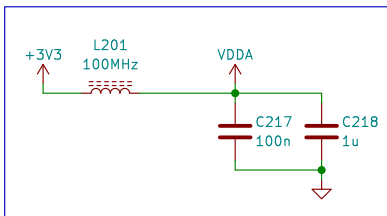
VDD Decoupling Capacitors



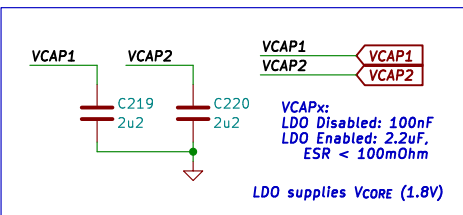
VBATT



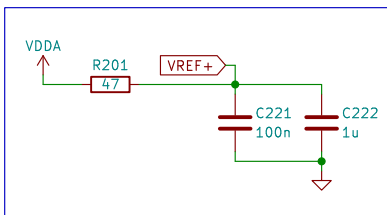
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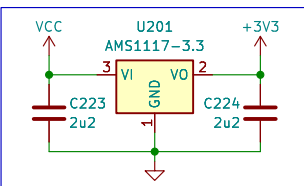
VCAP



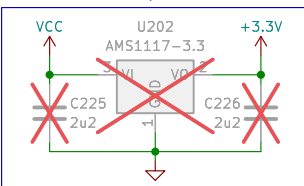
VREF



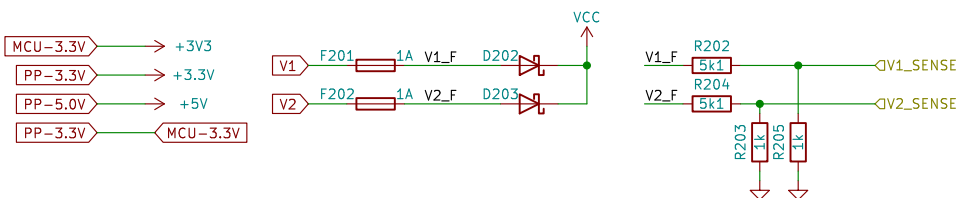
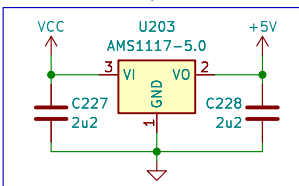
VREG - MCU 3.3V



VREG - Peripherals 3.3V



VREG - Peripherals 5.0V



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File: Power.kicad_sch

Title: Bigger Brain

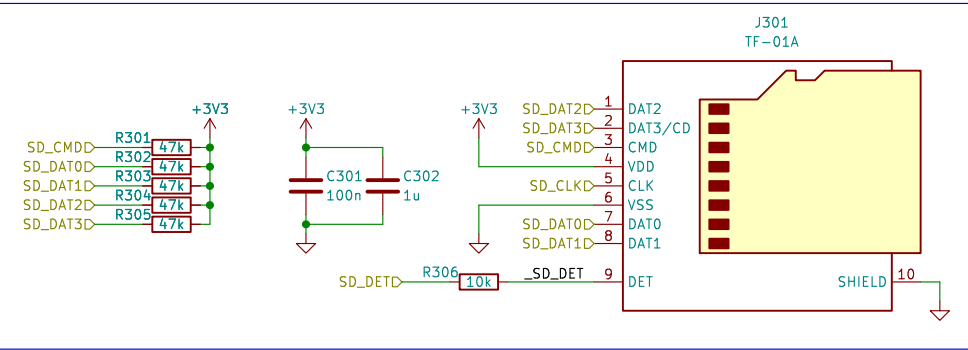
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SD Card



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Sheet: /SDCard1/
File: SDCard.kicad_sch

Title: Bigger Brain

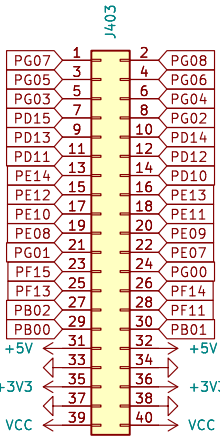
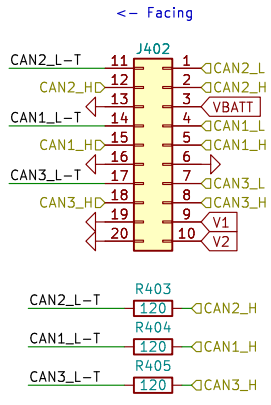
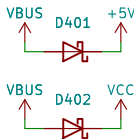
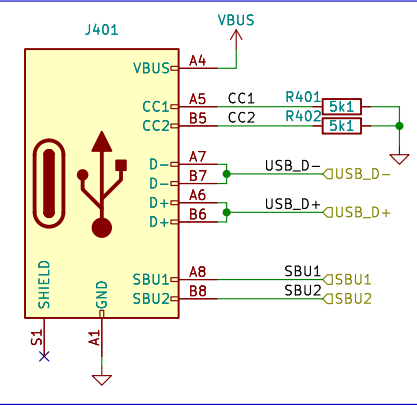
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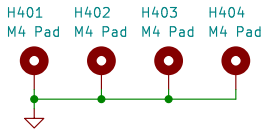
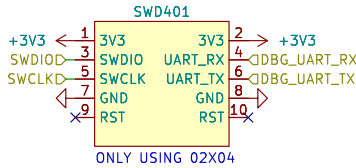
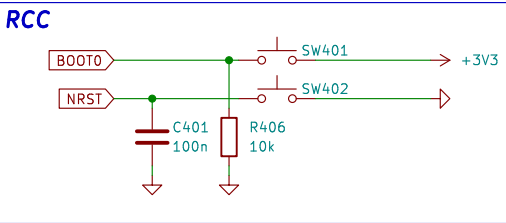
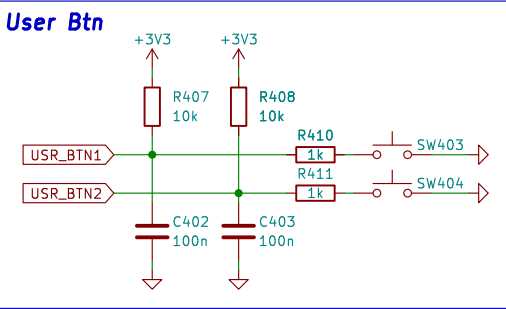
Rev: 2

Id: 3/7

USB

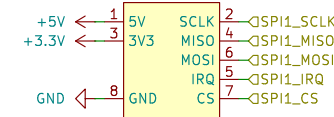
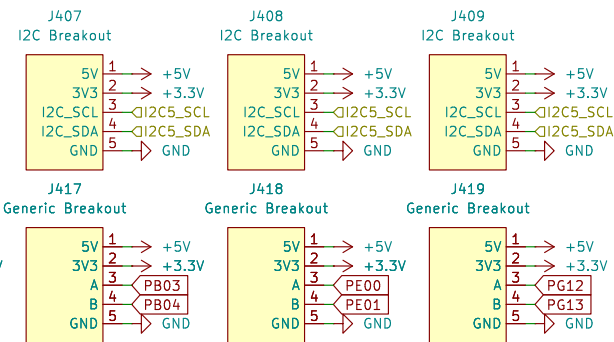
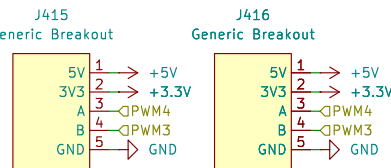
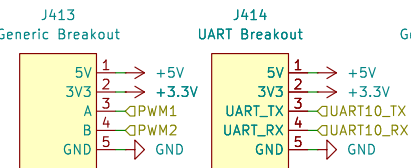
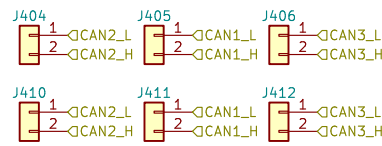
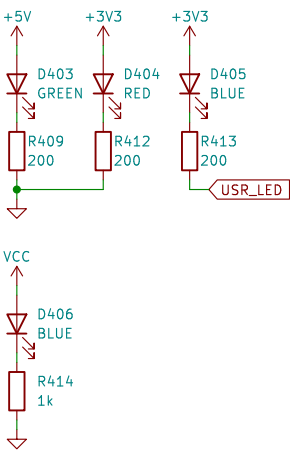


NOTE:
I2C2 has pull ups
I2C5 is without pull ups



Ref: STM32 Pin Current MAX
MCU MAX I_{IO(PIN)} = 25mA,
Assuming conditions:
LED: V_f: 2.5V, I_f: 4mA
Calculations for CLR:
3v3-2v5=0v8
V=I_fR: 0v8 = 0.04R
R = 200

Ref: CLR Calculator



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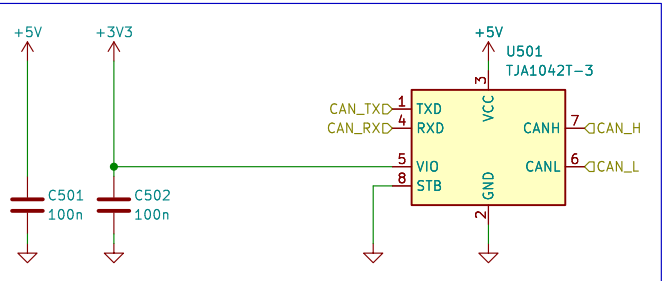
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Title: Bigger Brain

Size: A3 Date: 2024-03-05
KiCad E.D.A. 8.0.0

Rev: 2
Id: 4/7

CAN Transceiver



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Sheet: /CanTrx1/
File: CanTrx.kicad_sch

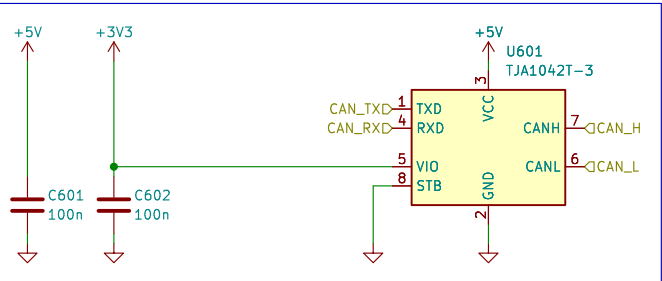
Title: Bigger Brain

Size: A4 Date: 2024-03-05

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Id: 5/7

CAN Transceiver



Scott CJX

Sheet: /CanTrx2/

File: CanTrx.kicad_sch

Title: Bigger Brain

Size: A4

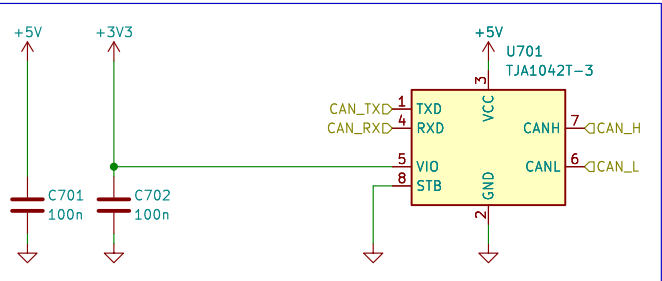
Date: 2024-03-05

Rev: 2

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Id: 6/7

CAN Transceiver



Scott CJX

Sheet: /CanTrx3/

File: CanTrx.kicad_sch

Title: Bigger Brain

Size: A4

Date: 2024-03-05

Rev: 2

KiCad E.D.A. 8.0.0

Id: 7/7