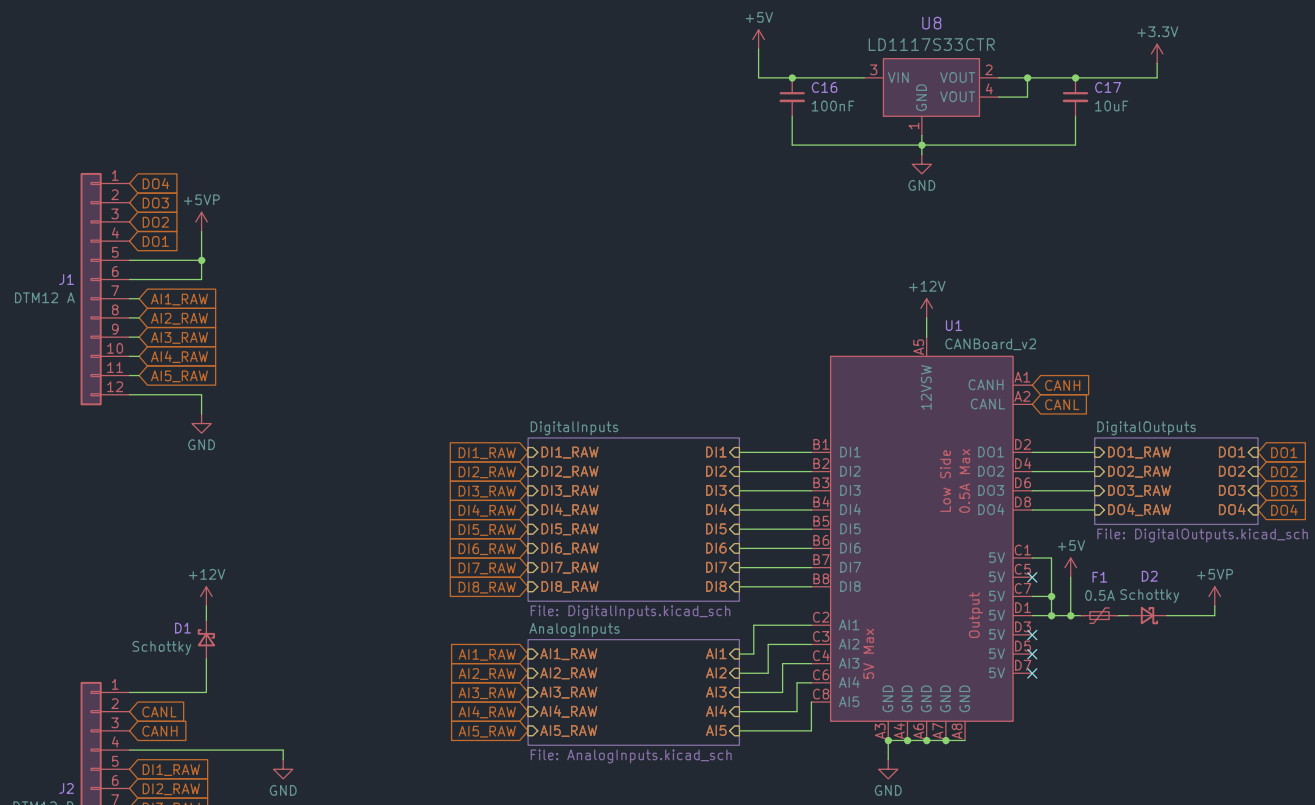

G1
DingoFace

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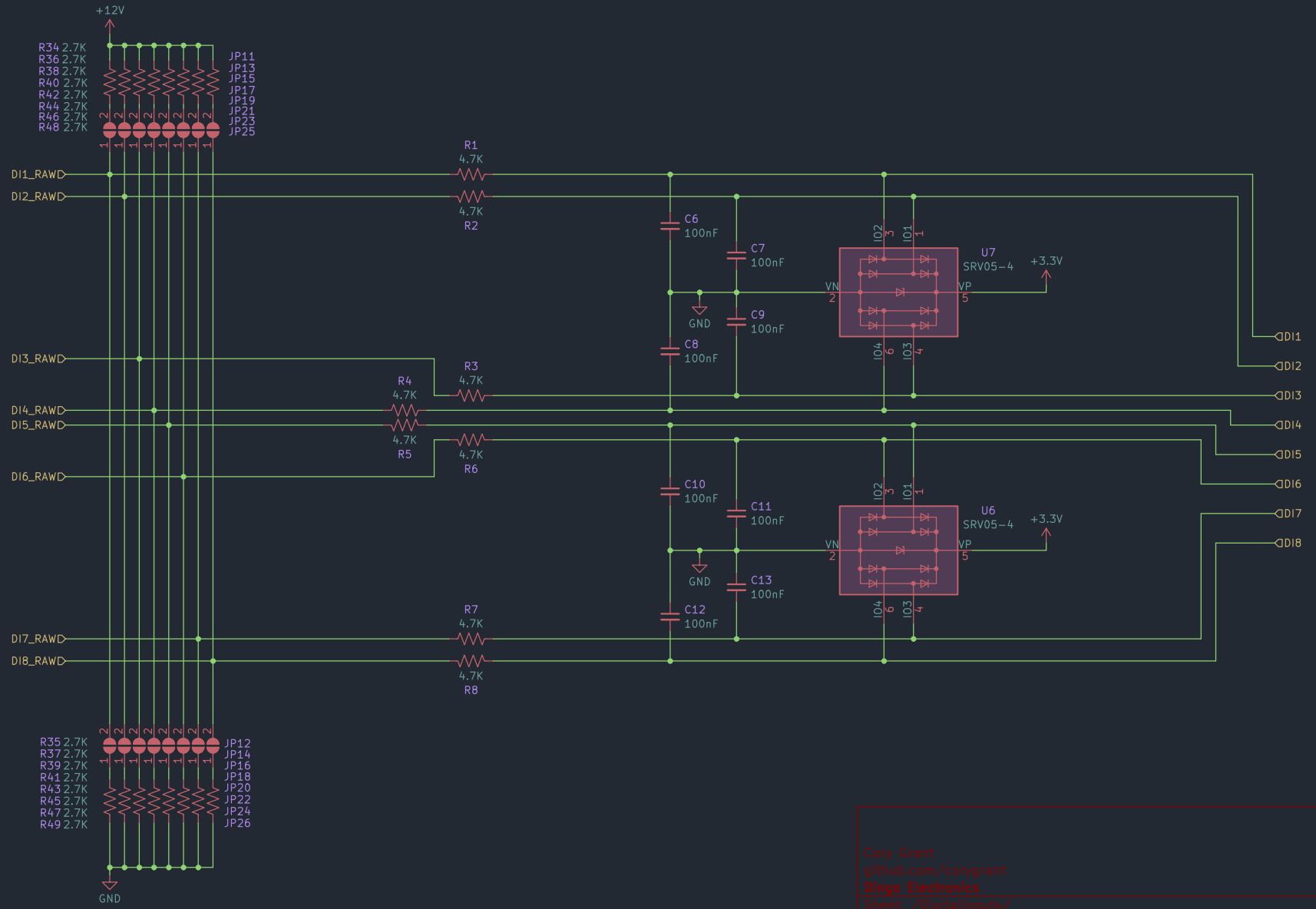
Sheet: /
File: CANBoard-Base.kicad_sch

Title: CANBoard-Base

Size: A4	Date: 2025-01-17	Rev: v1.1
KiCad E.D.A. 8.0.4		Id: 1/4


+12V
R34 2.7K
R36 2.7K
R38 2.7K
R40 2.7K
R42 2.7K
R44 2.7K
R46 2.7K
R48 2.7K
JP11
JP13
JP15
JP17
JP19
JP21
JP23
JP25
R1
4.7K
R2
4.7K
DI1_RAWD
DI2_RAWD
DI3_RAWD
DI4_RAWD
DI5_RAWD
DI6_RAWD
DI7_RAWD
DI8_RAWD
C6
100nF
C7
100nF
C8
100nF
C9
100nF
GND
U7
SRV05-4
+3.3V
IO2
IO1
VN
VP
IO4
IO3
R3
4.7K
R4
4.7K
R5
4.7K
R6
4.7K
C10
100nF
C11
100nF
C12
100nF
C13
100nF
U6
SRV05-4
+3.3V
R7
4.7K
R8
4.7K
DI1
DI2
DI3
DI4
DI5
DI6
DI7
DI8
R35 2.7K
R37 2.7K
R39 2.7K
R41 2.7K
R43 2.7K
R45 2.7K
R47 2.7K
R49 2.7K
JP12
JP14
JP16
JP18
JP20
JP22
JP24
JP26
GND
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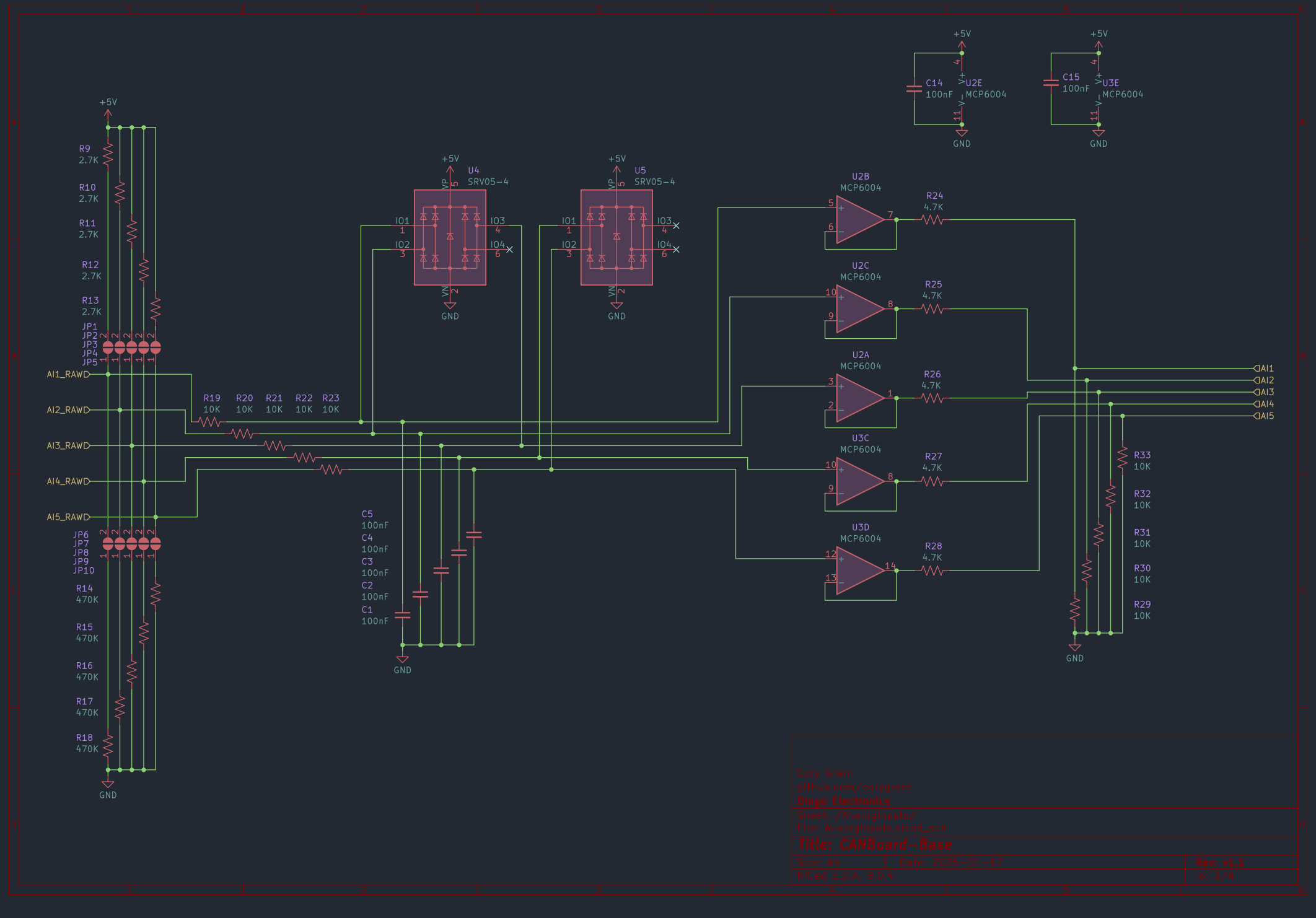
Sheet: /DigitalInputs/
File: DigitalInputs.kicad_sch
Title: CANBoard-Base
Size: A4
Date: 2025-01-17
Rev: v1.1
KiCad E.D.A. 8.0.4
Id: 2/5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C14
100nF
U2E
MCP6004
GND
C15
100nF
U3E
MCP6004
U4
SRV05-4
U5
SRV05-4
U2B
MCP6004
U2C
MCP6004
U2A
MCP6004
U3C
MCP6004
U3D
MCP6004
R9
2.7K
R10
2.7K
R11
2.7K
R12
2.7K
R13
2.7K
JP1
JP2
JP3
JP4
JP5
AI1_RAW
AI2_RAW
AI3_RAW
AI4_RAW
AI5_RAW
R19 R20 R21 R22 R23
10K 10K 10K 10K 10K
JP6
JP7
JP8
JP9
JP10
R14
470K
R15
470K
R16
470K
R17
470K
R18
470K
C5
100nF
C4
100nF
C3
100nF
C2
100nF
C1
100nF
R24
4.7K
R25
4.7K
R26
4.7K
R27
4.7K
R28
4.7K
R33
10K
R32
10K
R31
10K
R30
10K
R29
10K
AI1
AI2
AI3
AI4
AI5
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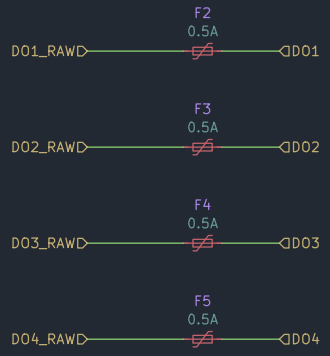
Sheet: /AnalogInputs/
File: AnalogInputs.kicad_sch
Title: CANBoard-Base
Size: A4
Date: 2025-01-17
Rev: v1.1
KiCad E.D.A. 8.0.4
Id: 3/5



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Sheet: /DigitalOutputs/
File: DigitalOutputs.kicad_sch

Title: CANBoard-Base

Size: A4	Date: 2025-01-17	Rev: v1.1
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