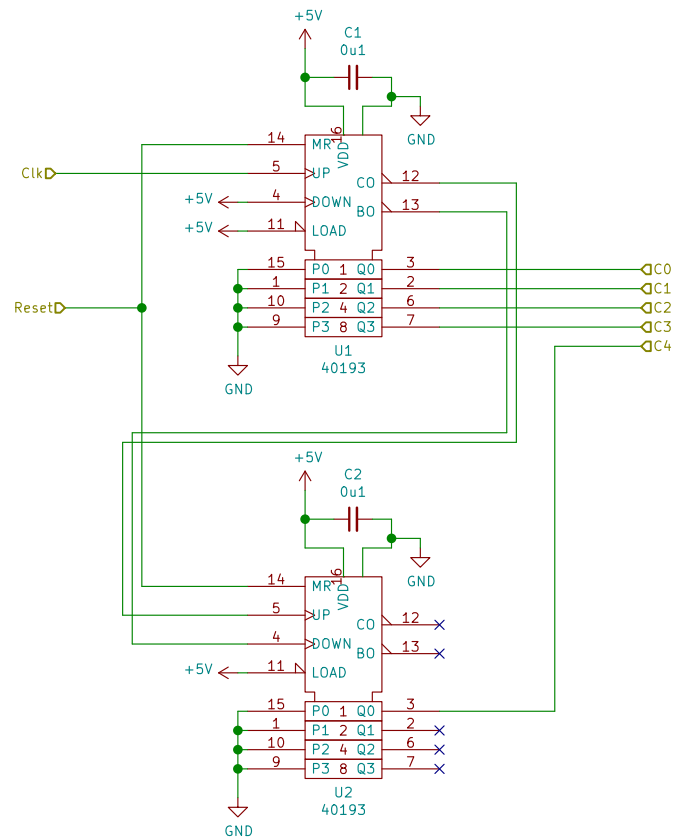


Sheet: /StateMaschine.sch/
File: StateMaschine.sch

Title: Schilk_SA-ADC

Size: A4 Date: 2020-02-03
KiCad E.D.A. kicad (5.1.5)-3

Rev: v0.0 (Prod.)
Id: 2/11



Sheet: /StateMaschine.sch/Counter/
File: Counter.sch

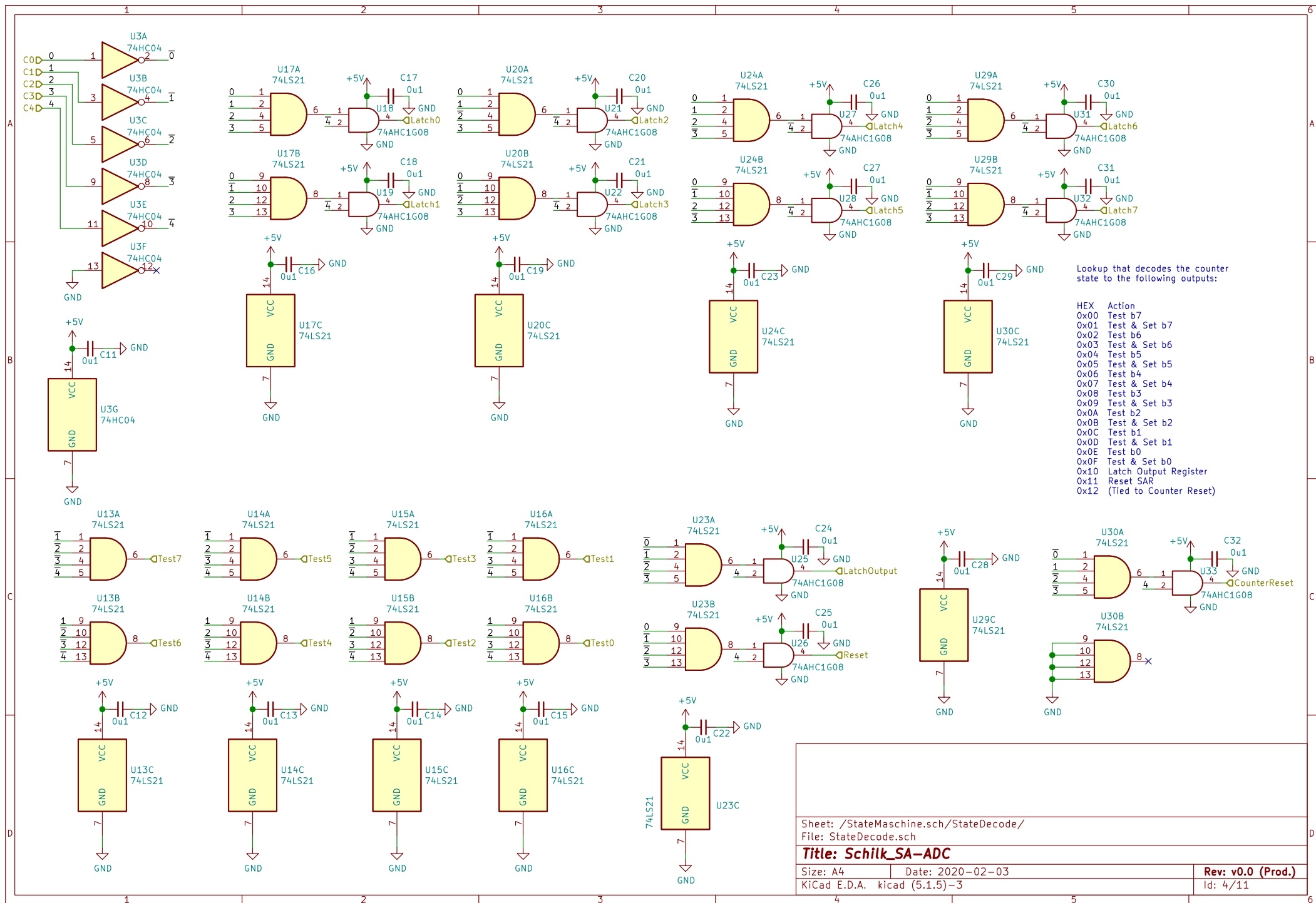
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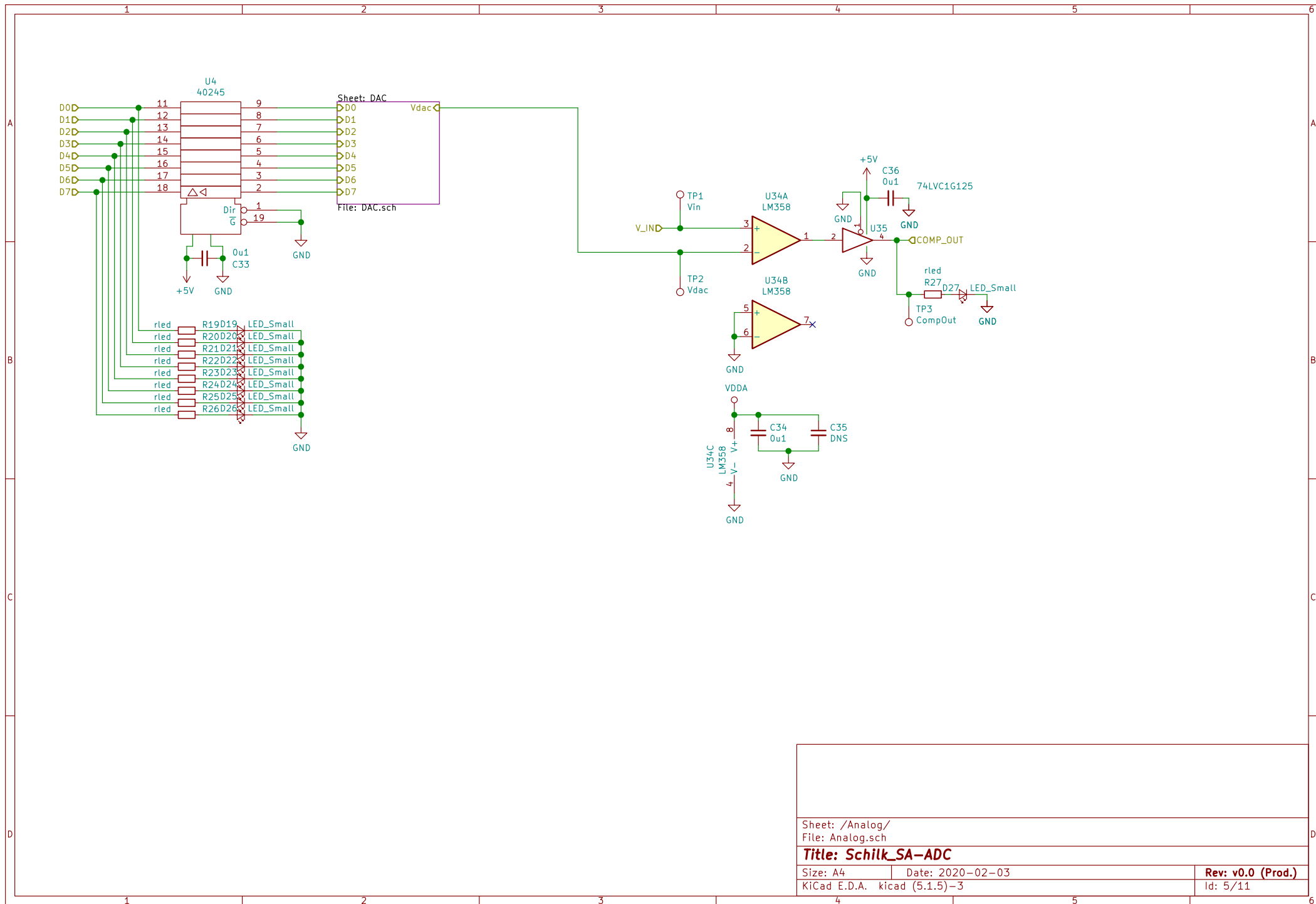
Size: A4 Date: 2020-02-03

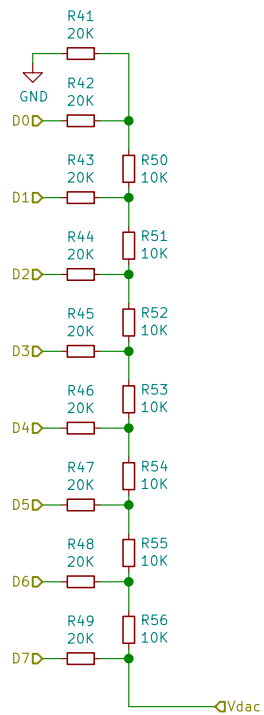
KiCad E.D.A. kicad (5.1.5)-3

Rev: v0.0 (Prod.)

Id: 3/11







R2R DAC
Use Precision Resistors, Optimally <0.5%

Sheet: /Analog/DAC/
File: DAC.sch

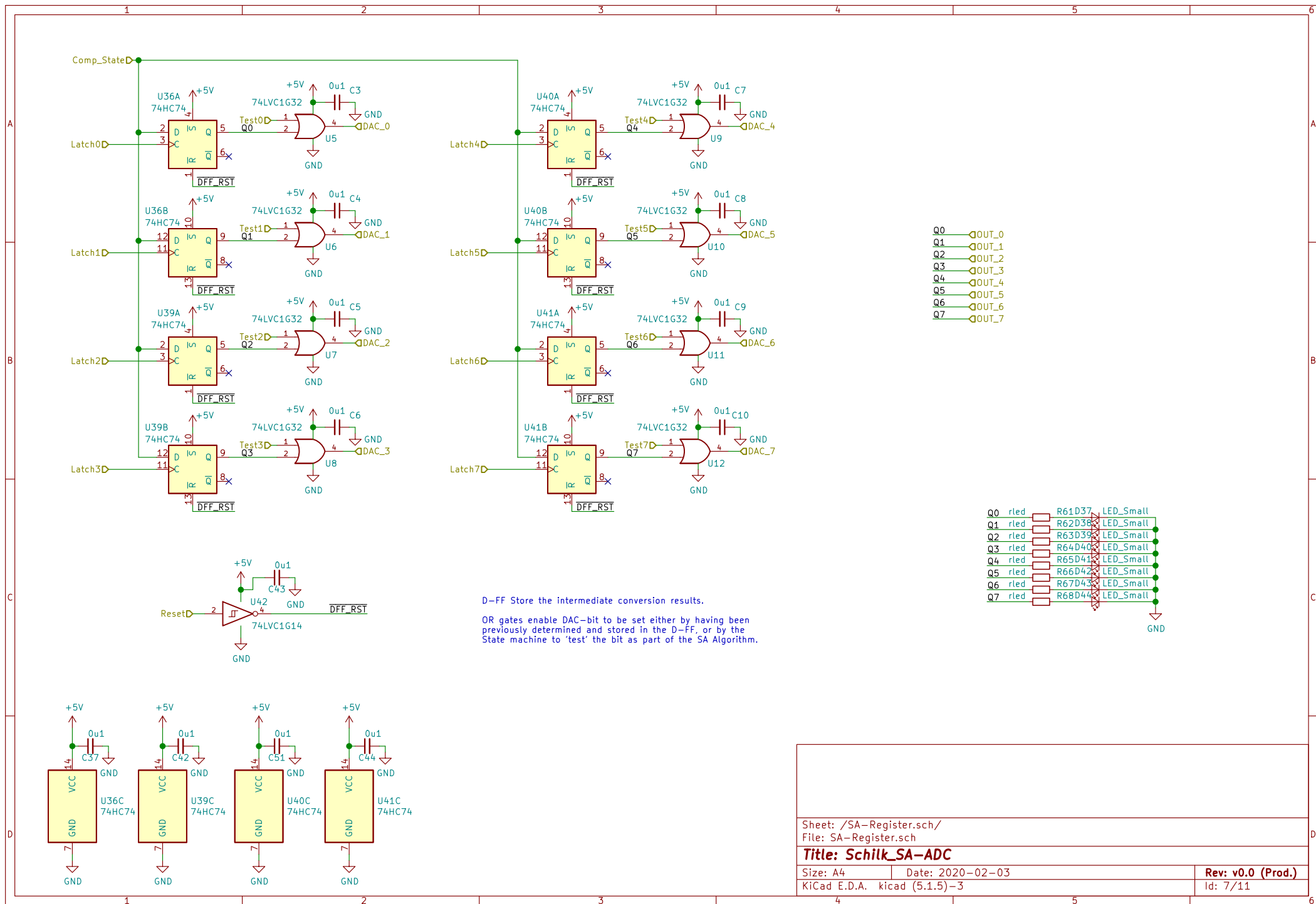
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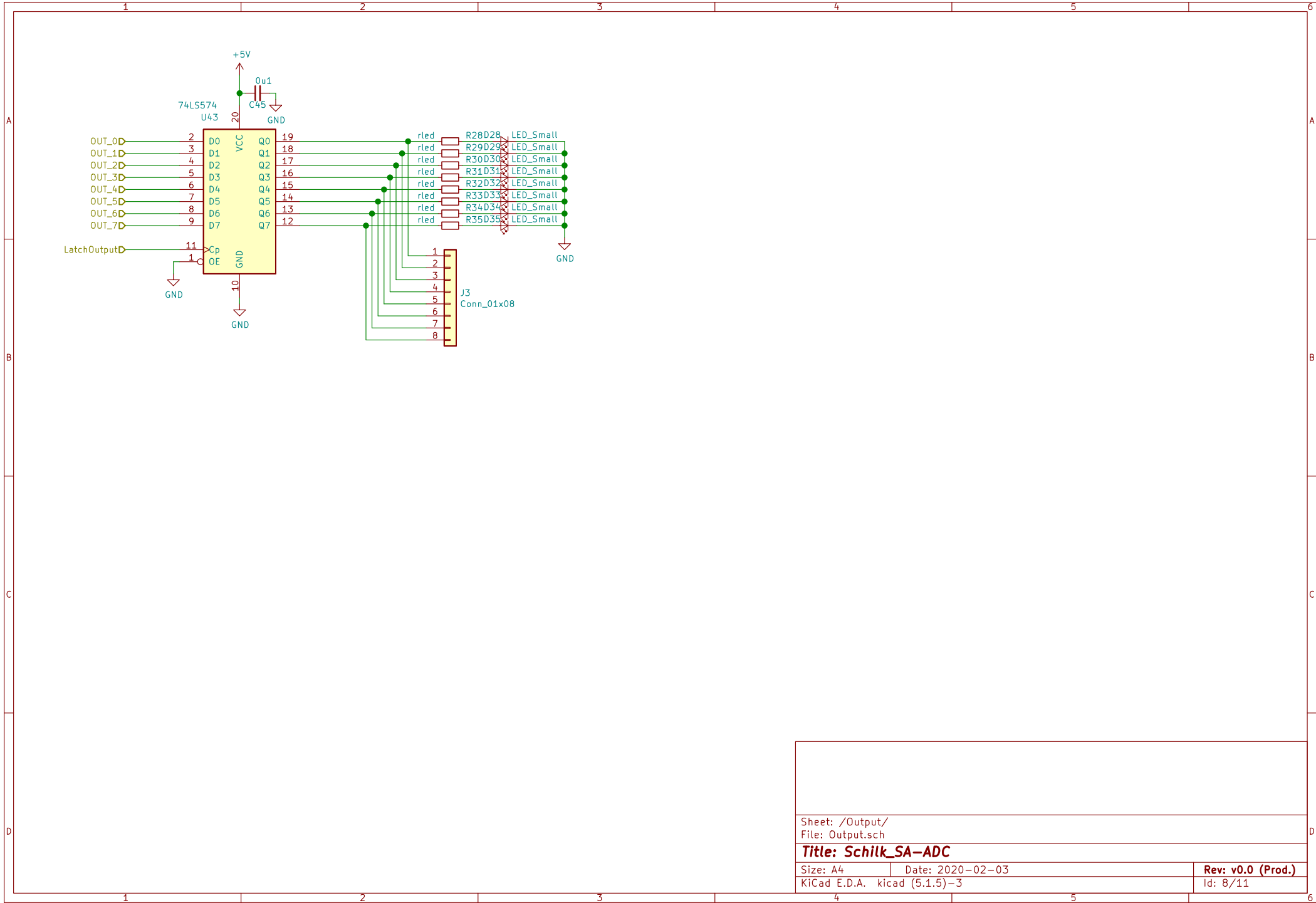
Size: A4 Date: 2020-02-03

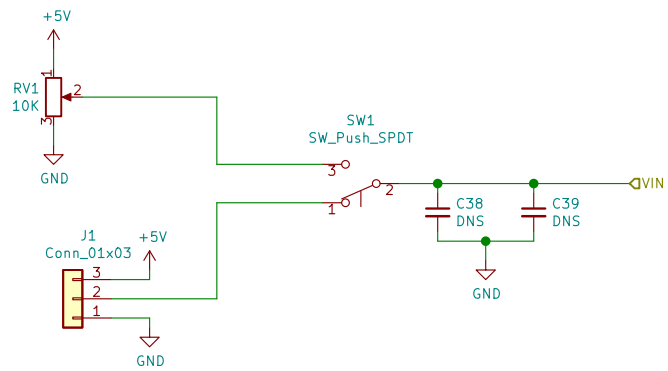
KiCad E.D.A. kicad (5.1.5)-3

Rev: v0.0 (Prod.)

Id: 6/11







Sheet: /Input/
File: Input.sch

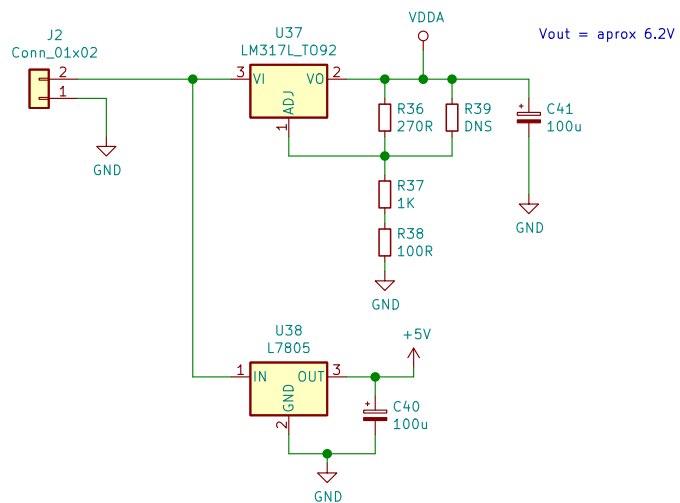
Title: Schilk_SA-ADC

Size: A4 Date: 2020-02-03

KiCad E.D.A. kicad (5.1.5)-3

Rev: v0.0 (Prod.)

Id: 9/11



OpAmp used as comparator
needs supply slightly higher than 5v to compare signals close / at 5v.

Specific voltage was choosen, as it both enabled comparing accross
the whole 0–5v band, and resulted in the opamp outputing around 5V as
logic-high. (Output of Opamp ist at max aprox. 1.2–1.3 V lower than Supply Voltage)

Sheet: /PWR/
File: PWR.sch

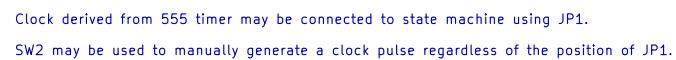
Title: Schilk_SA-ADC

Size: A4 Date: 2020-02-03

KiCad E.D.A. kicad (5.1.5)-3

Rev: v0.0 (Prod.)

Id: 10/11



Rev: v0.0 (Prod.)
Id: 11/11