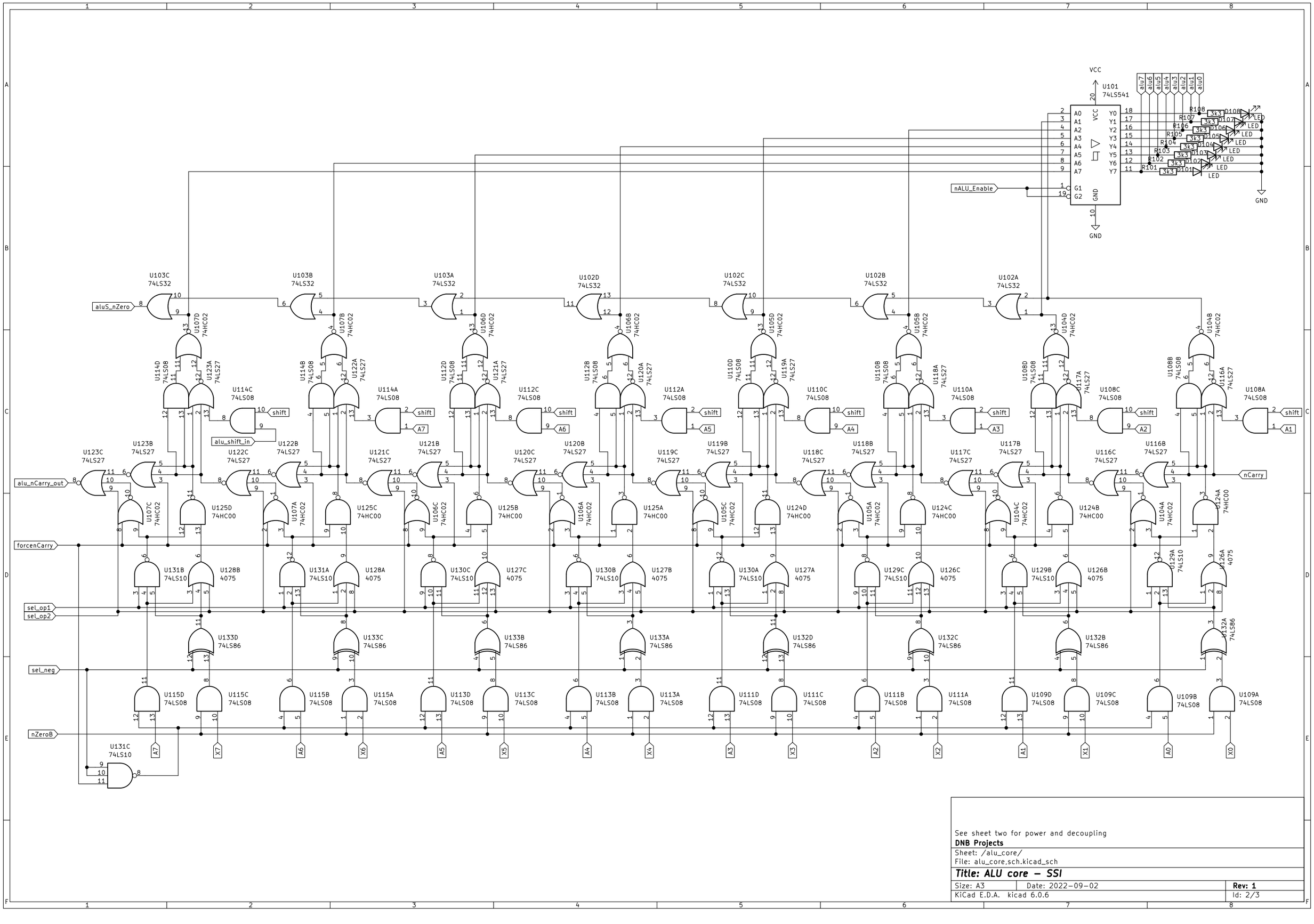
VCC
U101
74LS541
alu7
alu6
alu5
alu4
alu3
alu2
alu1
alu0
R108
R107
R106
R105
R104
R103
R102
R101
3k3
D108
D107
D106
D105
D104
D103
D102
D101
LED
GND
nALU_Enable
aluS_nZero
alu_shift_in
alu_nCarry_out
forcenCarry
sel_op1
sel_op2
sel_neg
nZeroB
nCarry
shift
A7
A6
A5
A4
A3
A2
A1
A0
X7
X6
X5
X4
X3
X2
X1
X0
See sheet two for power and decoupling
DNB Projects
Sheet: /alu_core/
File: alu_core.sch.kicad_sch
Title: ALU core – SSI
Size: A3
Date: 2022-09-02
Rev: 1
KiCad E.D.A. kicad 6.0.6
Id: 2/3