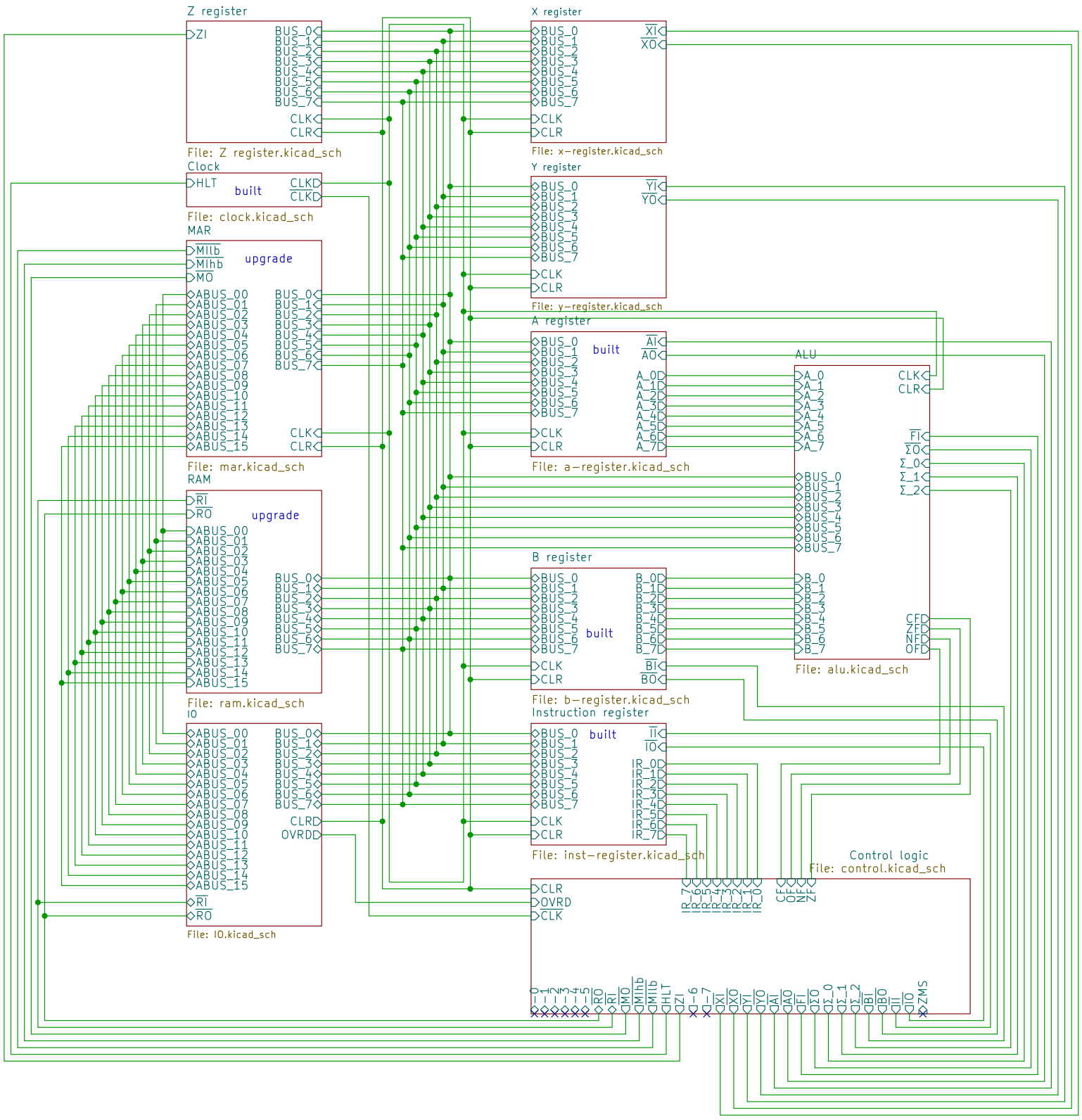
TODO:

Tidy up Ctrl Word



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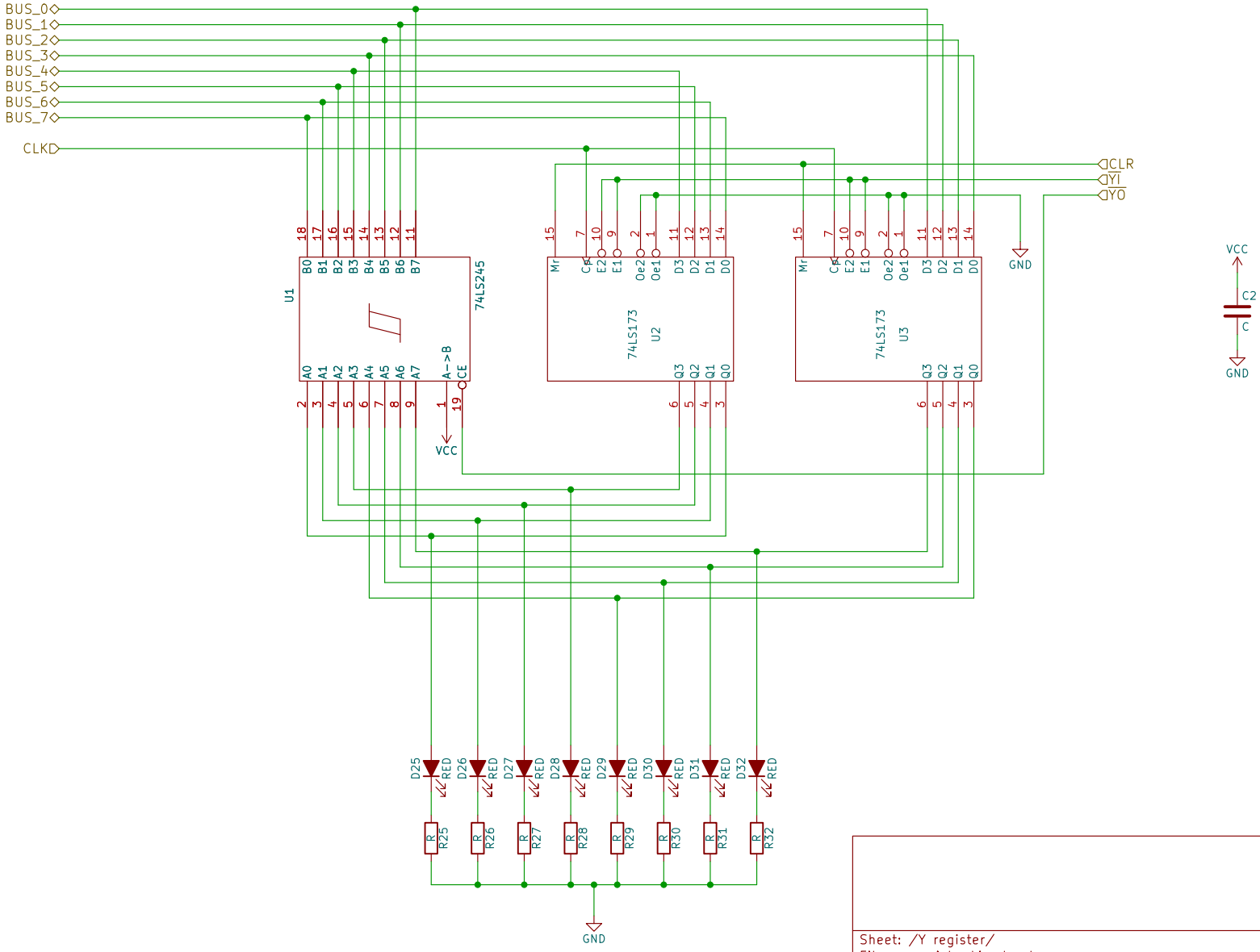
Size: A3	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.8)		Id: 1/13



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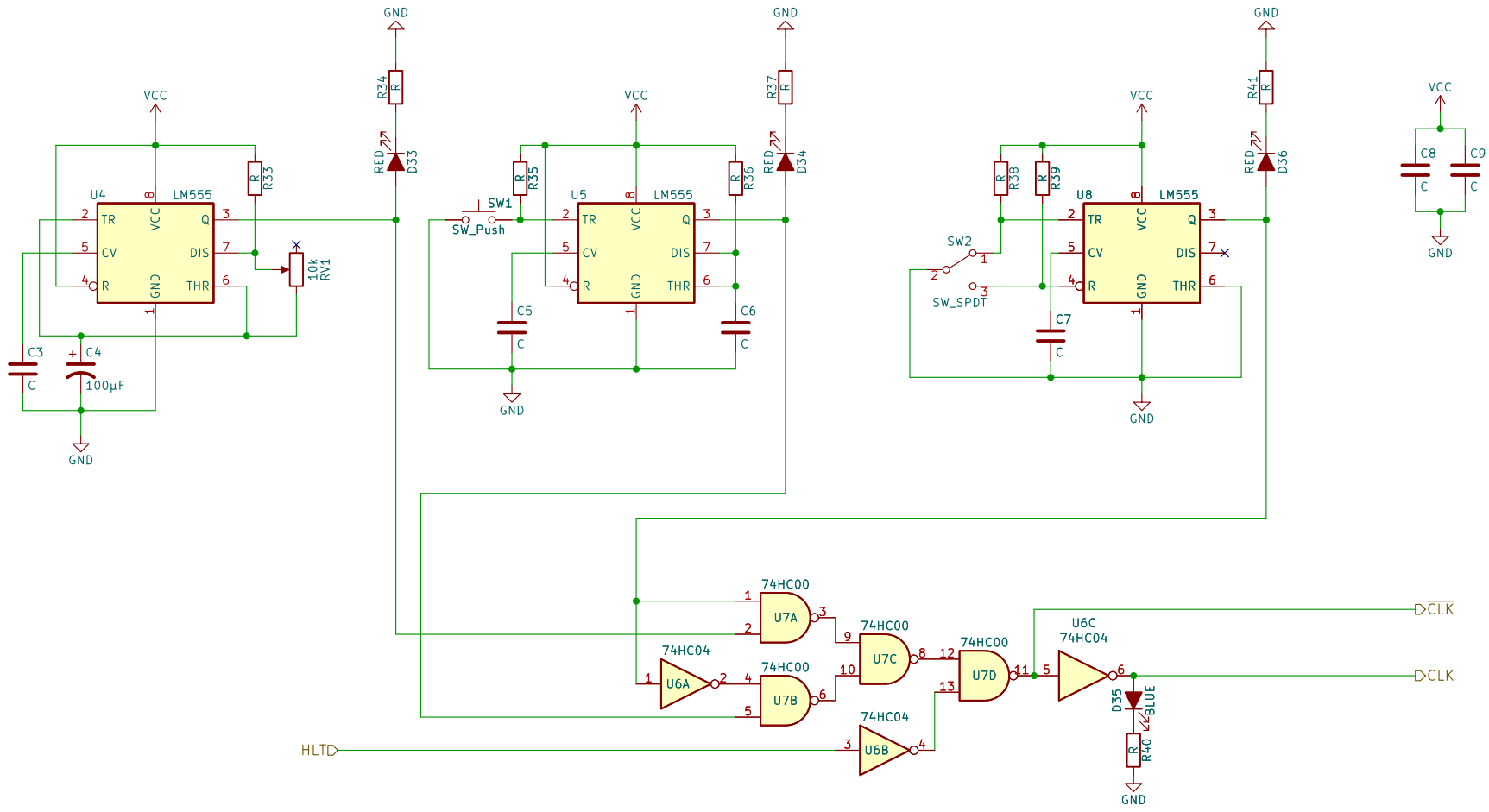
KiCad E.D.A. kicad (6.0.8) | Id: 6/13



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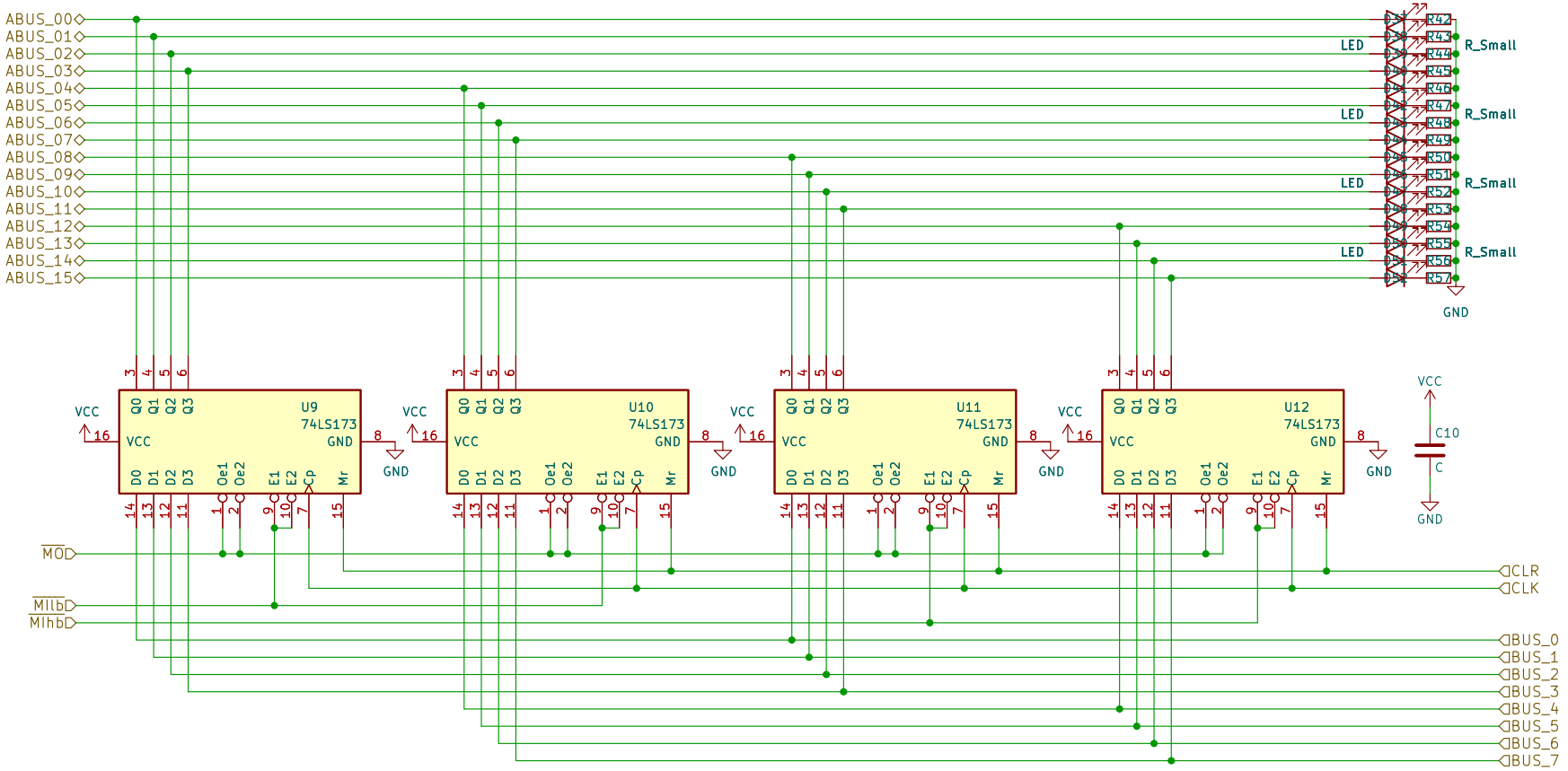
KiCad E.D.A. kicad (6.0.8)		Id: 13/13



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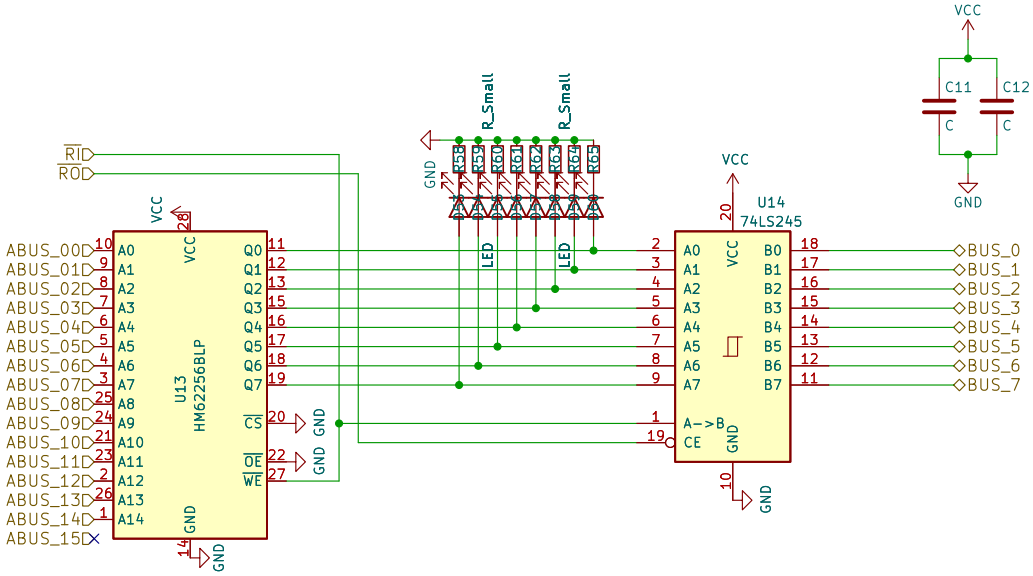
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.8)		Id: 16/13



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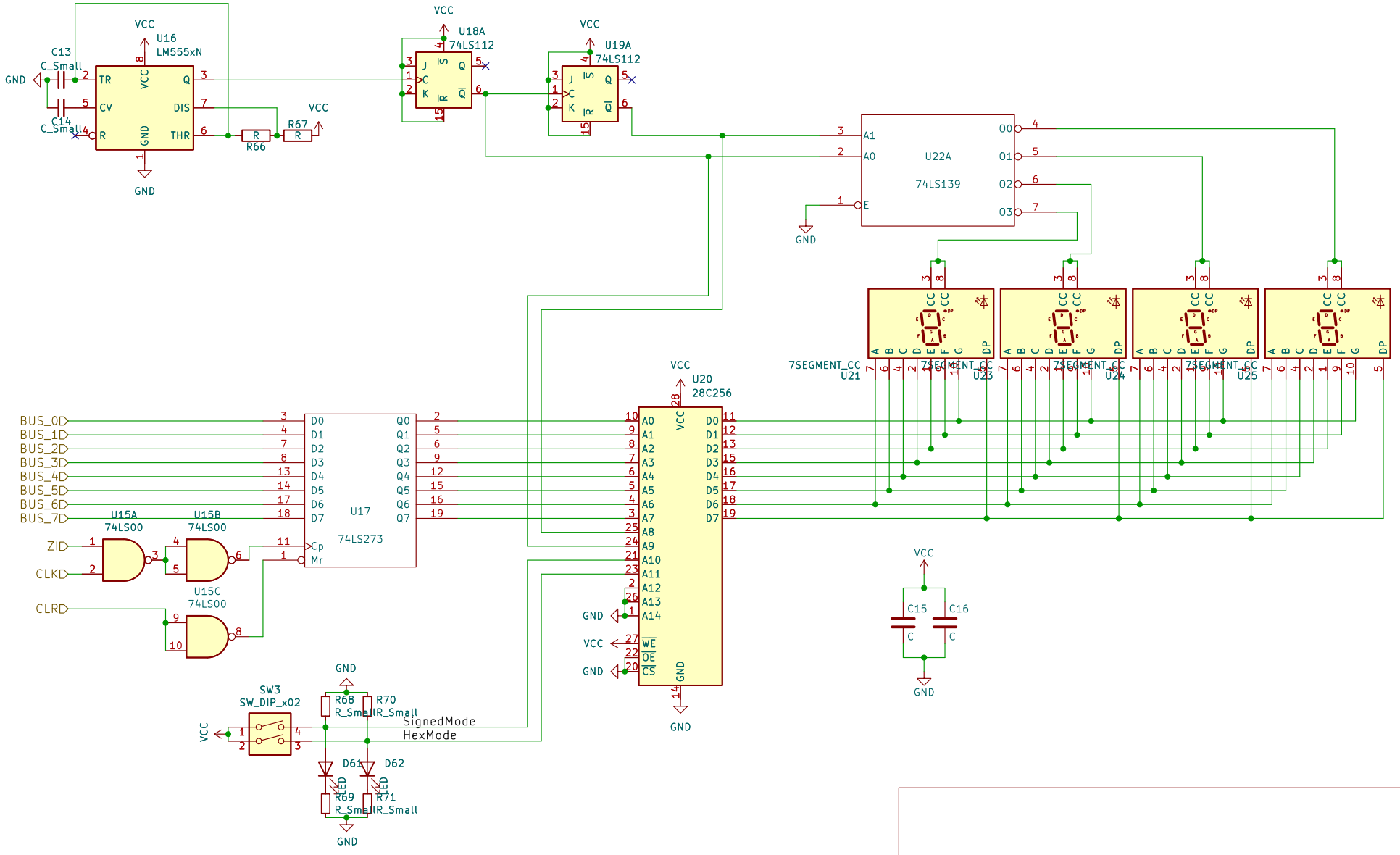
KiCad E.D.A. kicad (6.0.8)		Id: 17/13


VCC
U16
LM555xN
C13
C_Small
C14
C_Small
GND
TR
CV
R
Q
DIS
THR
R66
R67
U18A
74LS112
U19A
74LS112
U22A
74LS139
A1
A0
E
O0
O1
O2
O3
7SEGMENT_CC
U21
U23
U24
U25
U17
74LS273
D0
D1
D2
D3
D4
D5
D6
D7
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Cp
Mr
BUS_0
BUS_1
BUS_2
BUS_3
BUS_4
BUS_5
BUS_6
BUS_7
U15A
74LS00
U15B
74LS00
U15C
74LS00
ZI
CLK
CLR
U20
28C256
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
WE
OE
CS
C15
C16
C
SW3
SW_DIP_x02
R68
R70
R_Small
SignedMode
HexMode
D61
D62
LED
R69
R71
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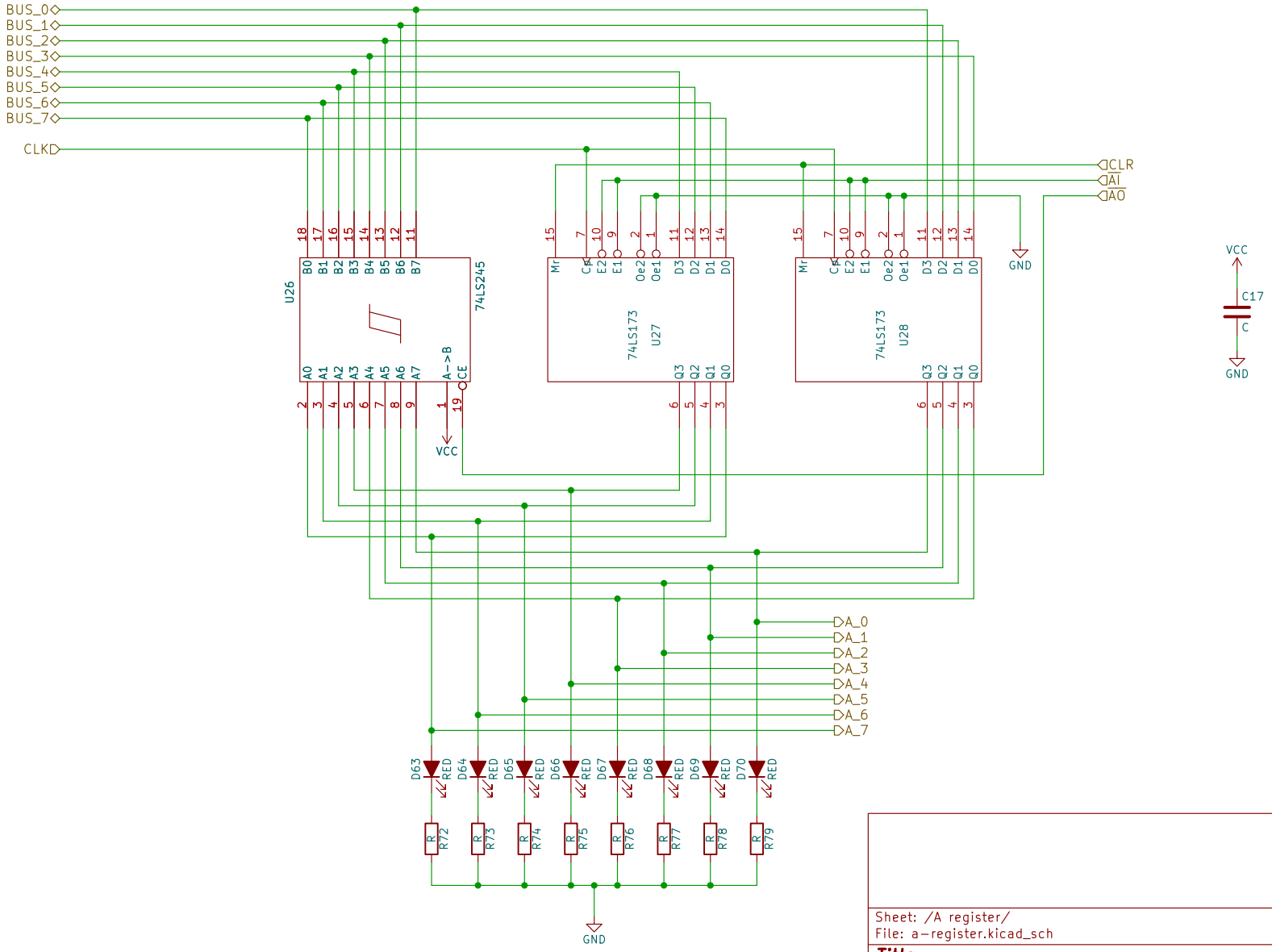
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (6.0.8)
Id: 18/13



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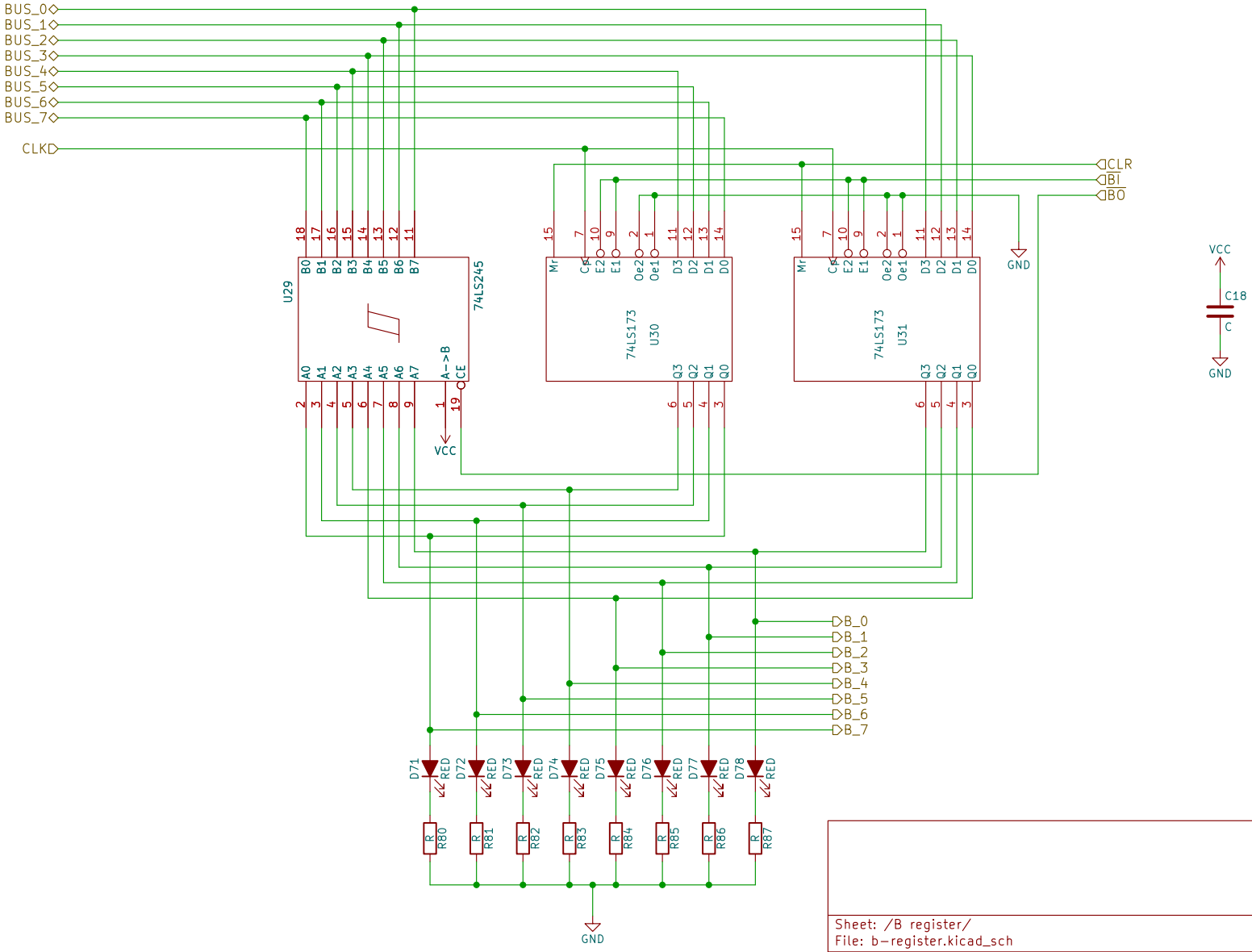
KiCad E.D.A. kicad (6.0.8)		Id: 19/13



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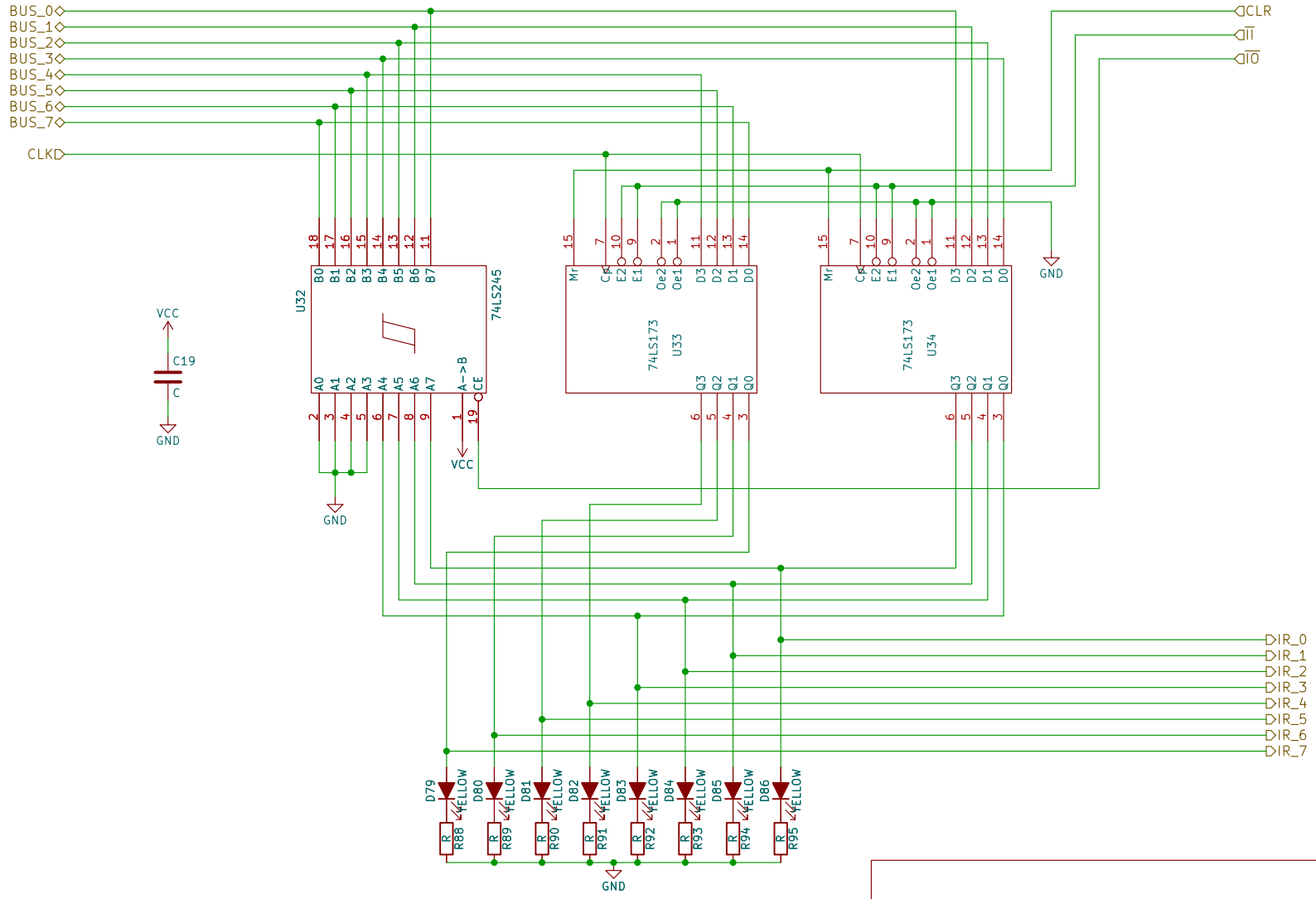
KiCad E.D.A. kicad (6.0.8)		Id: 20/13



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File: inst-register.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.8)		Id: 21/13

OVRD

VCC

GND

CLKD

CLRD

U35 74LS161

D0 D1 D2 D3 Q0 Q1 Q2 Q3 PE CEP CET CP MR TC

R96 R97 R98 R99 R_Small

D87 D88 D89 D90 LED_Small

U36 SST39SF020

U37 SST39SF020

U38 SST39SF020

U39 SST39SF020

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 NC PGM CE OE D0 D1 D2 D3 D4 D5 D6 D7

LED R_Small

Control Word

-0 -1 -2 -3 -4 -5 RO RI MO MIhb MIlb HLT ZI -6 -7 XI XO YI YO AI AO FI ΣO ΣO Σ_0 Σ_1 Σ_2 BI BO II IO ZMS

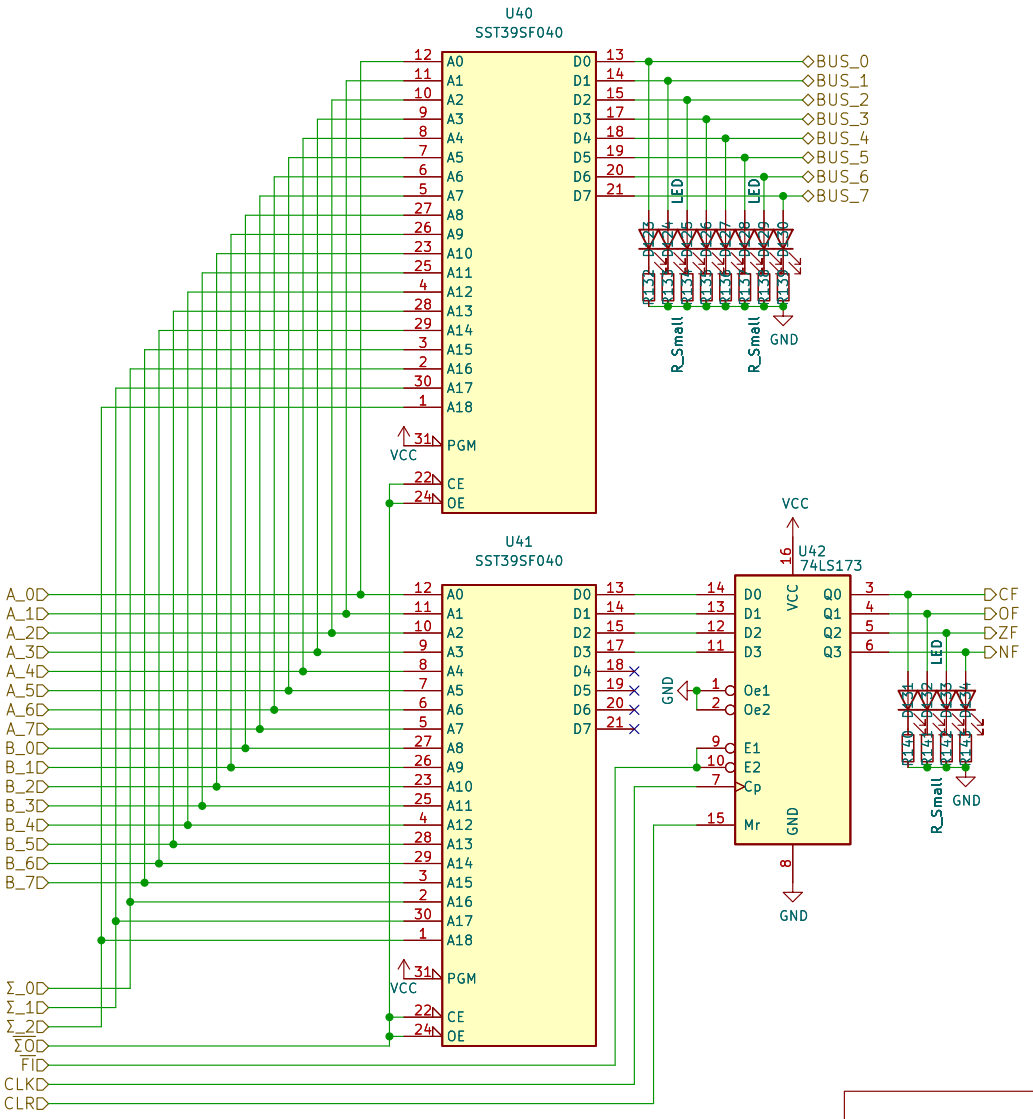
CF OF NF ZF IR_7 IR_6 IR_5 IR_4 IR_3 IR_2 IR_1 IR_0

Sheet: /Control logic/
File: control.kicad_sch

Title:

Size: A3 Date: Rev:

KiCad E.D.A. kicad (6.0.8) Id: 22/13



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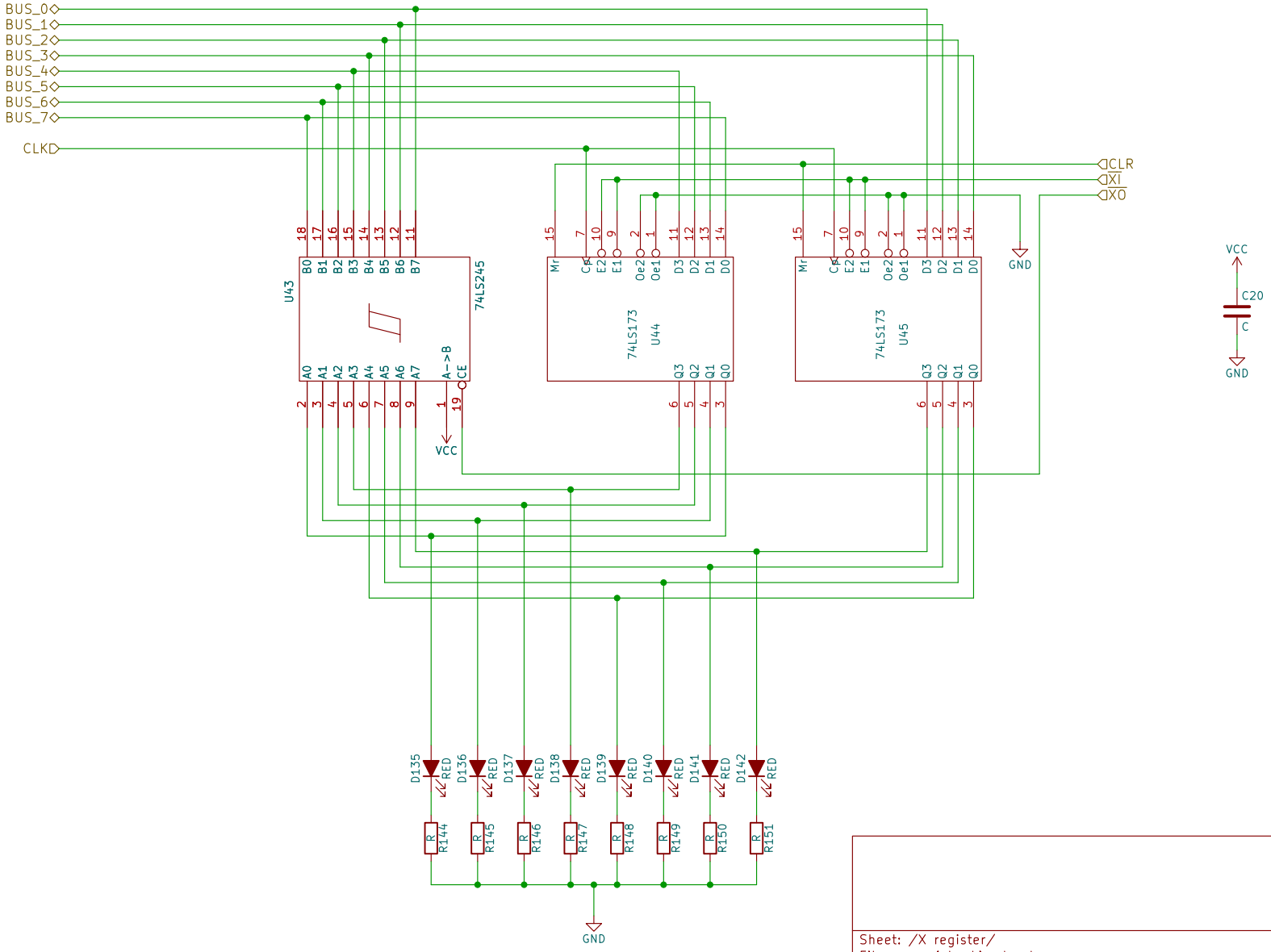
Size: A4 | Date: | **Rev:**
KiCad E.D.A. kicad (6.0.8) | Id: 23/13



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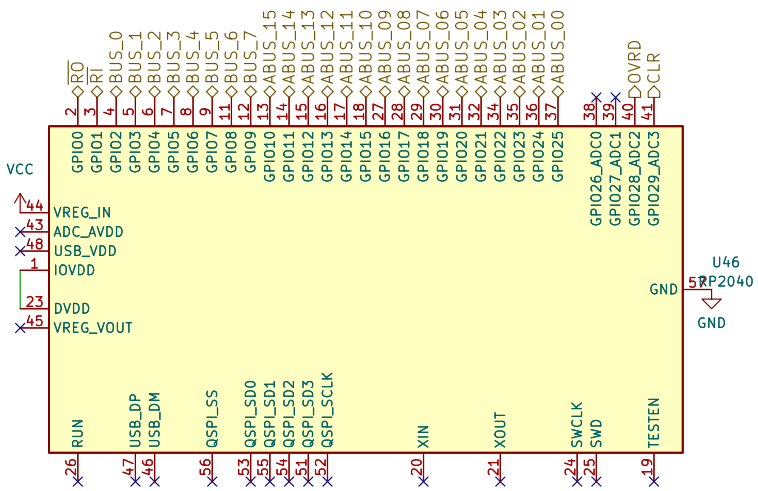
KiCad E.D.A. kicad (6.0.8)		Id: 24/13



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Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.8)		Id: 25/13