

	1	2	3	4	5	6
A	<div>Sheet: Registers</div> <div>File: registers.sch</div>	<div>Sheet: ALU</div> <div>File: alu.sch</div>	<div>Sheet: Flags</div> <div>File: Flags.sch</div>	<div>Sheet: Program Counter</div> <div>File: programcounter.sch</div>	<div>Sheet: Stack pointer</div> <div>File: Stack pointer.sch</div>	
B	<div>Sheet: Interrupt Vector</div> <div>File: interrupt vector.sch</div>	<div>Sheet: Condition Tester</div> <div>File: condition tester.sch</div>	<div>Sheet: Phase Counter</div> <div>File: Phase counter.sch</div>	<div>Sheet: Memory interface instruction latch</div> <div>File: memoryinterface.sch</div>	<div>Sheet: Interrupt state machine</div> <div>File: interruptSM.sch</div>	
C	<div>Sheet: Opcode Select</div> <div>File: opcode select.sch</div>	<div>Sheet: Phase and Latch decoder</div> <div>File: phaselatch.sch</div>	<div>Sheet: Source Select Logic</div> <div>File: source select logic.sch</div>	<div>Sheet: Destination Select Logic</div> <div>File: dest select logic.sch</div>	<div>Sheet: Mode Selection</div> <div>File: mode select.sch</div>	
D	<div>Sheet: Address Selector</div> <div>File: addressselect.sch</div>	<div>Sheet: Restart Trigger</div> <div>File: restart.sch</div>	<div>Sheet: Stack Control</div> <div>File: stack control.sch</div>	<div>Sheet: External Connections</div> <div>File: ioconnect.sch</div>	<div>Sheet: Program Counter Control</div> <div>File: pccontrol.sch</div>	
	1	2	3	4	5	6

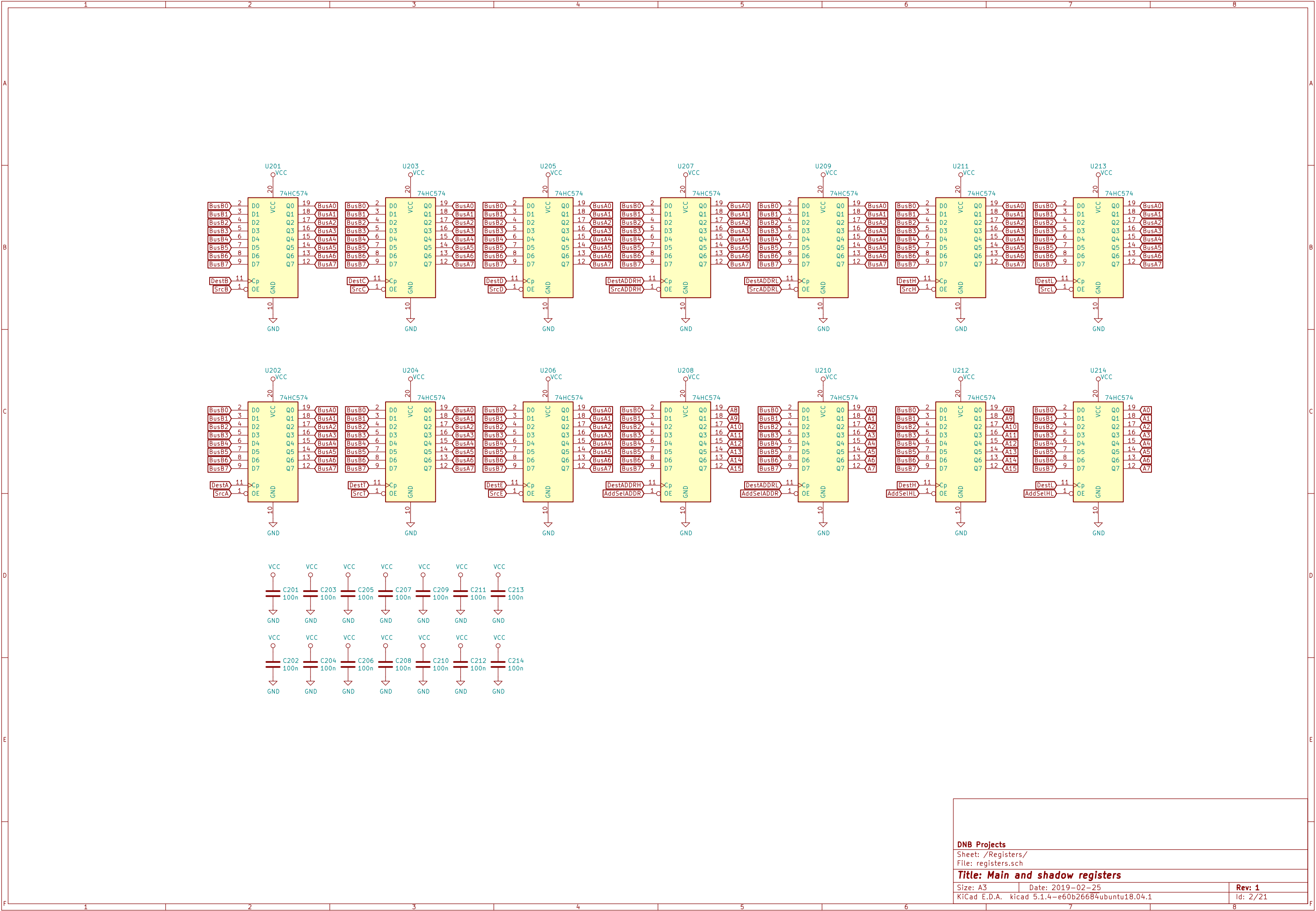
DNB Projects

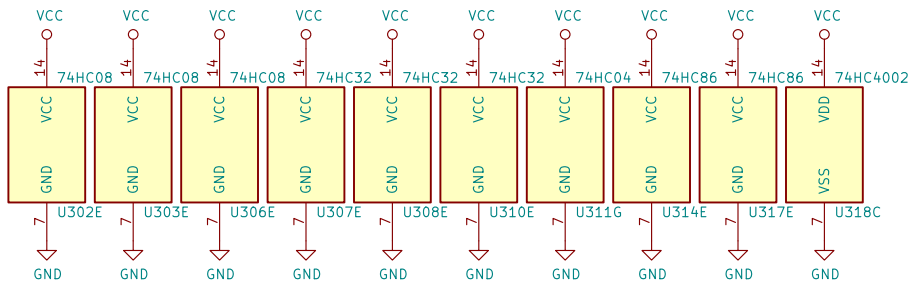
Sheet: /
File: cisc-8.sch

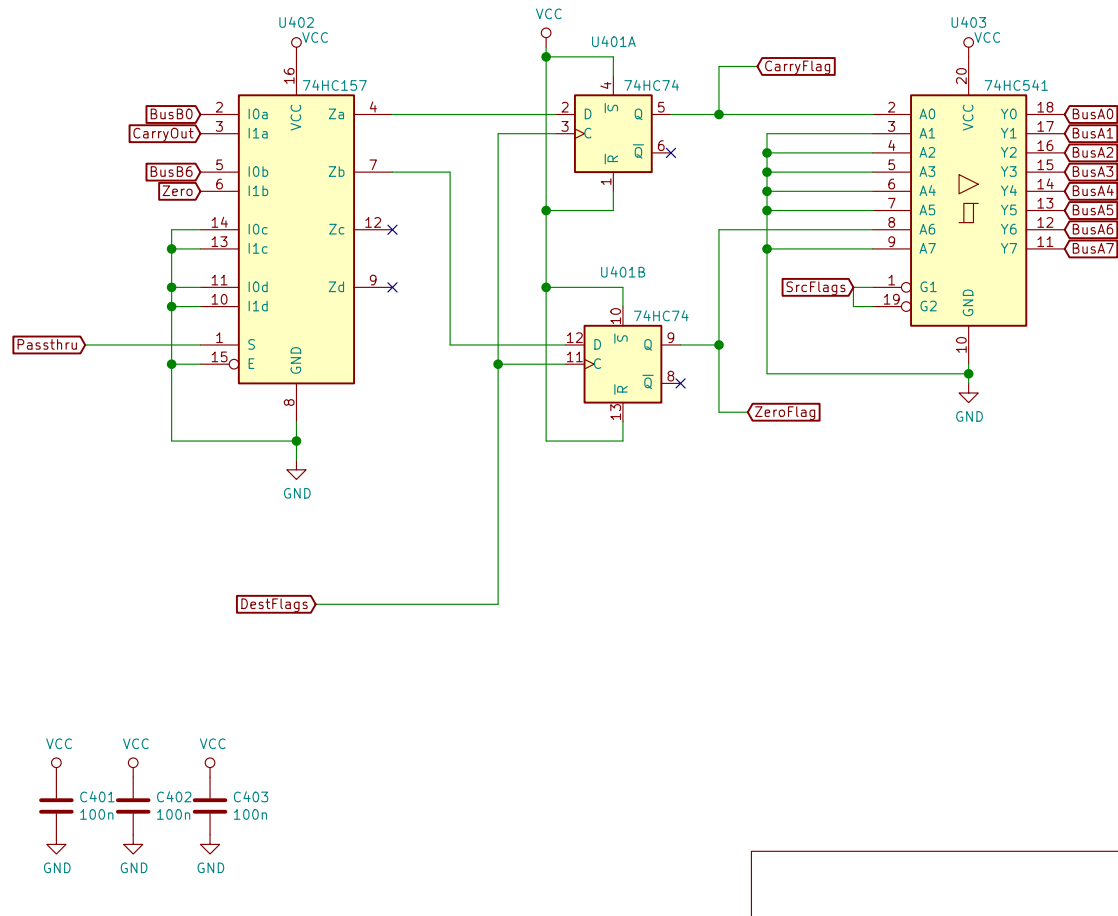
Title: Cisc-8 - master page

Size: A4 Date: 2019-02-24
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

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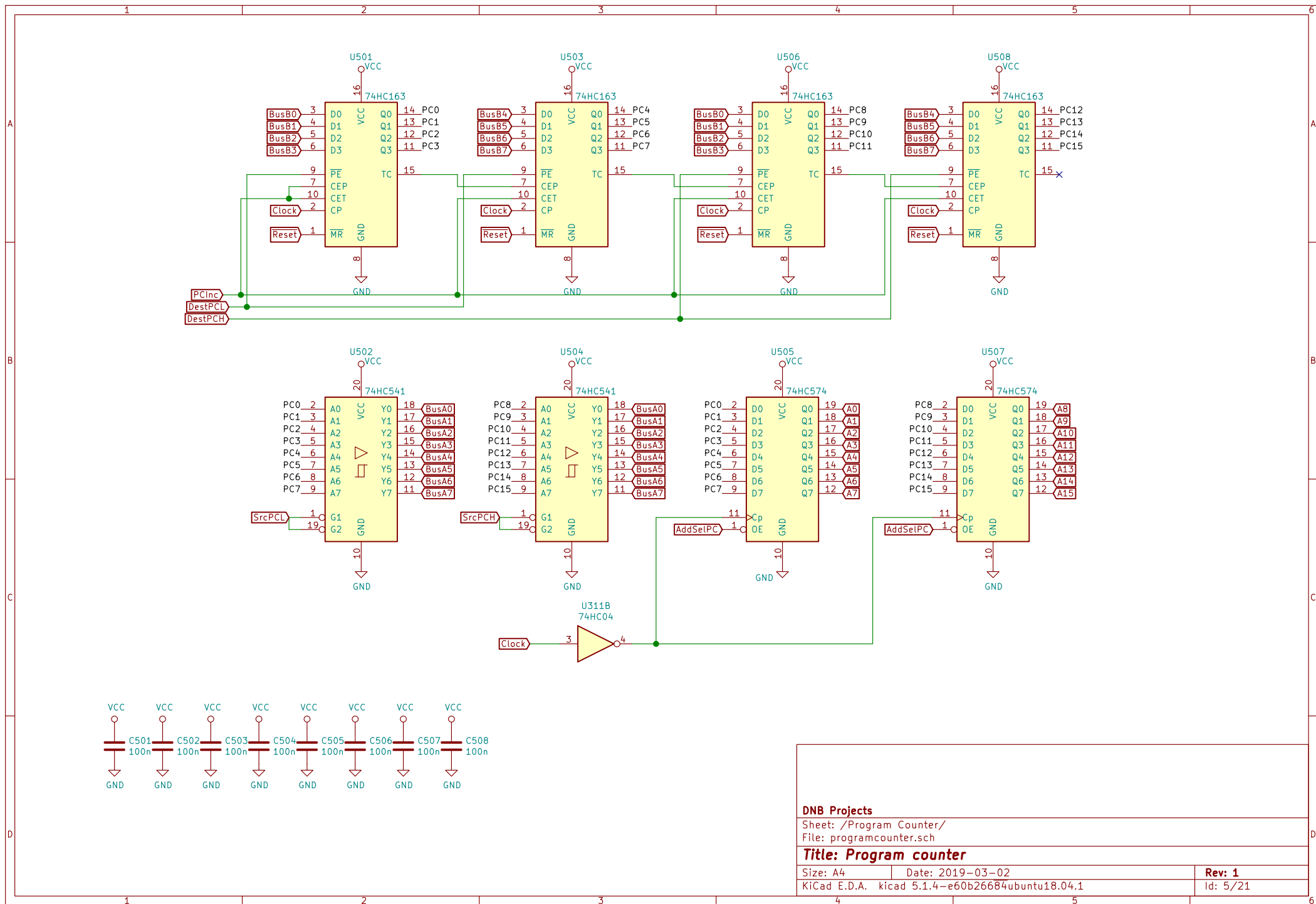
DNB Projects

Sheet: /Flags/
File: Flags.sch

Title: Flags register

Size: A4 Date: 2019-02-26
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

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DNB Projects

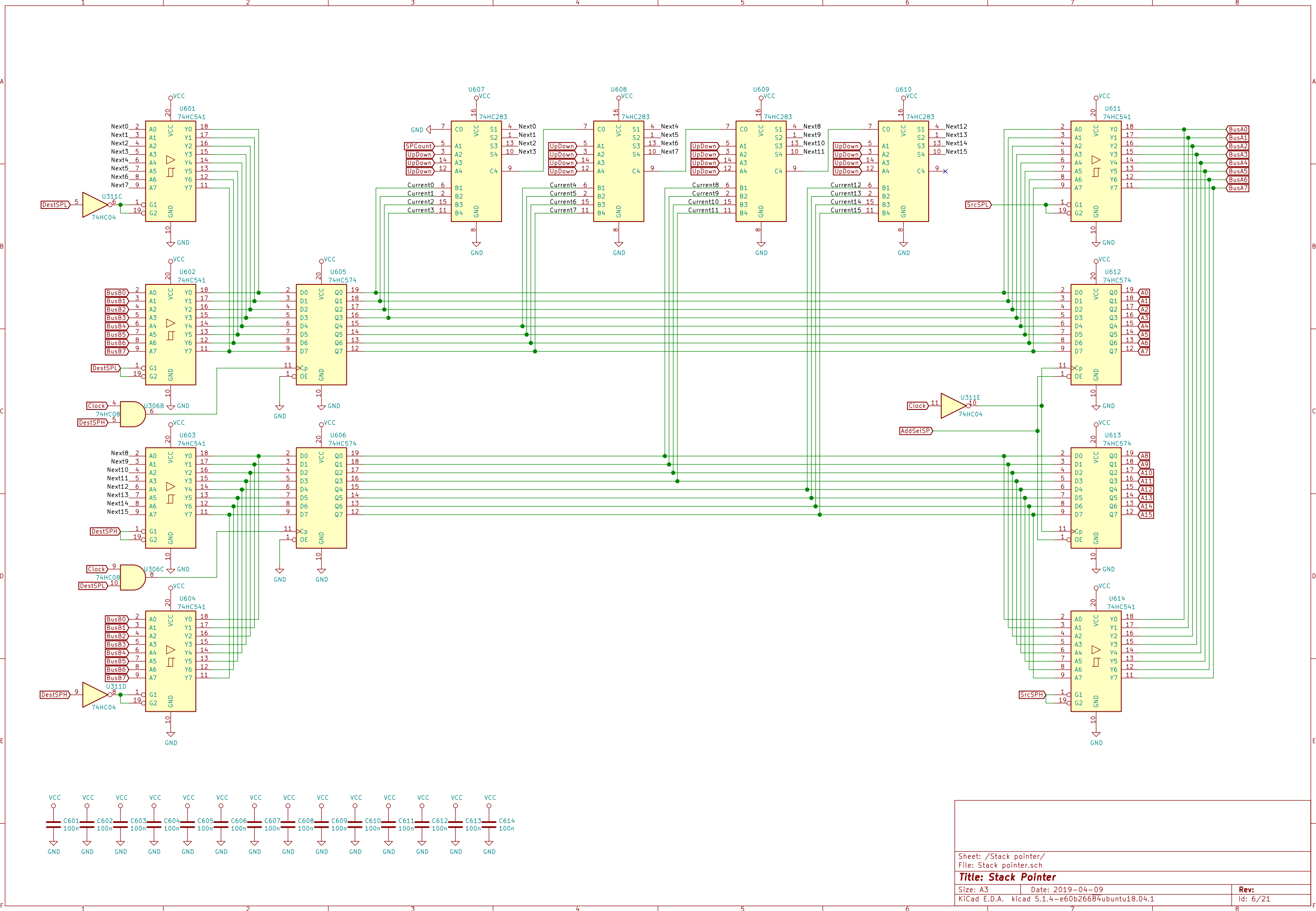
Sheet: /Program Counter/
File: programcounter.sch

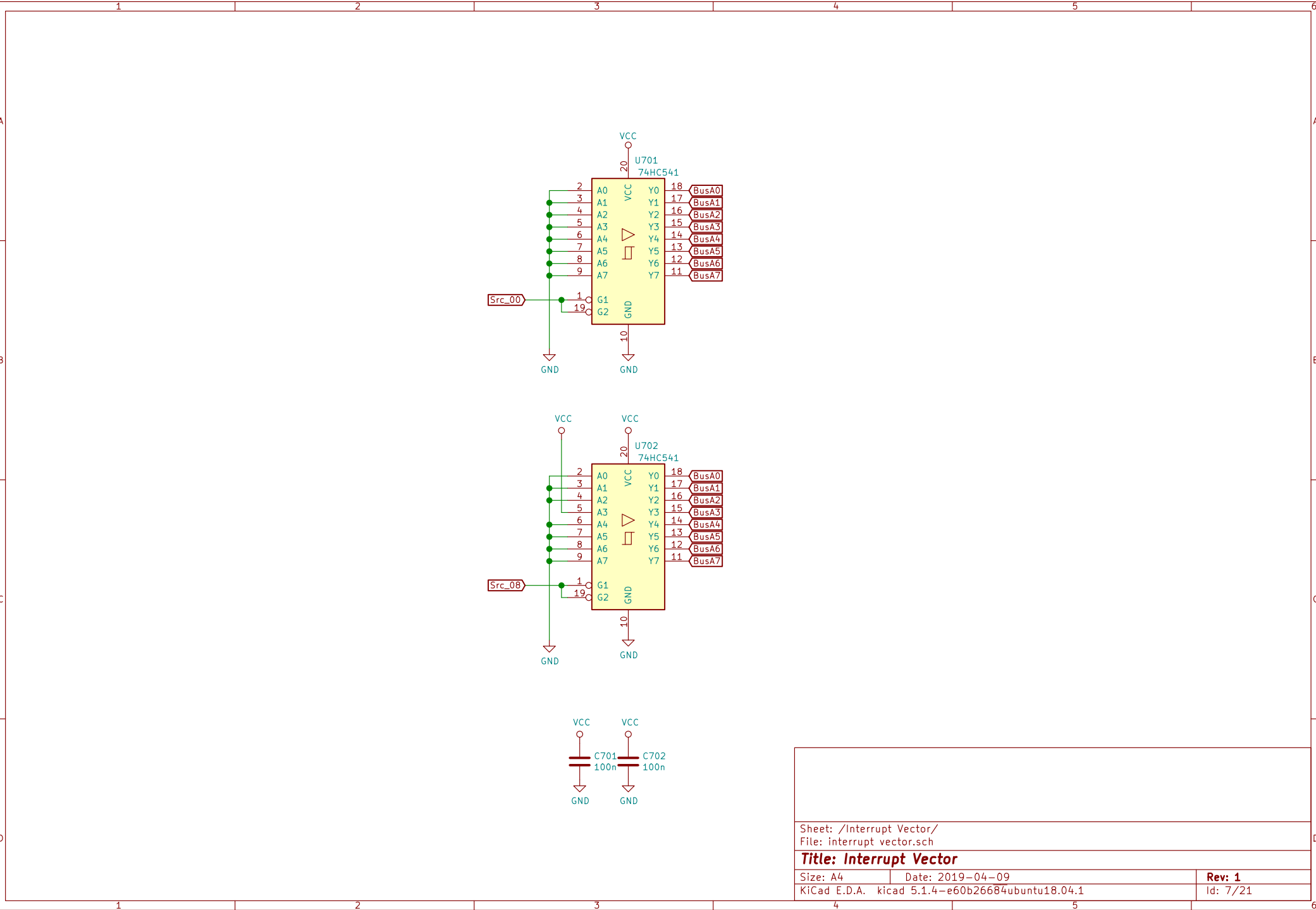
Title: Program counter

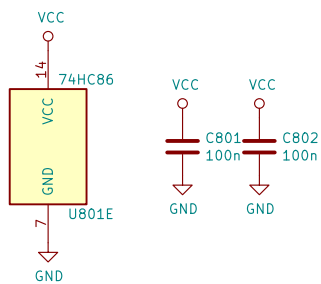
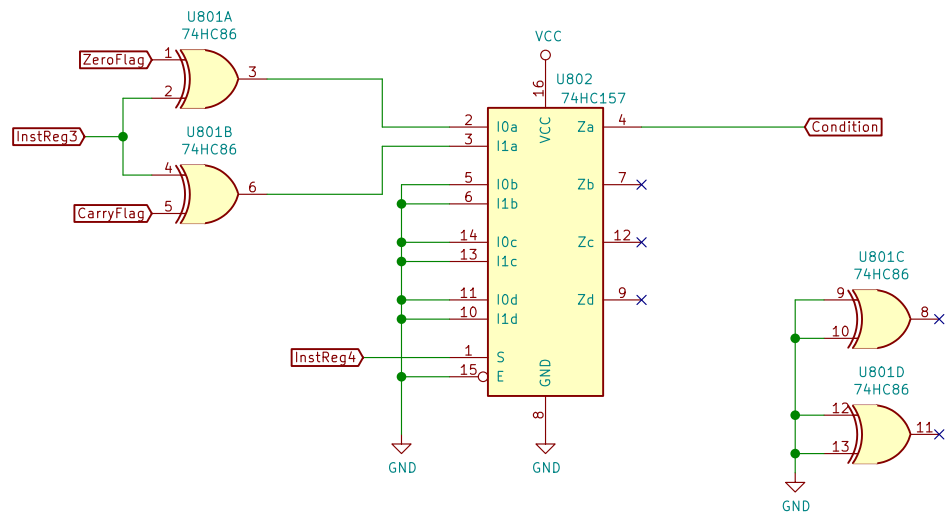
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KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Date: 2019-03-02

Rev: 1
Id: 5/21



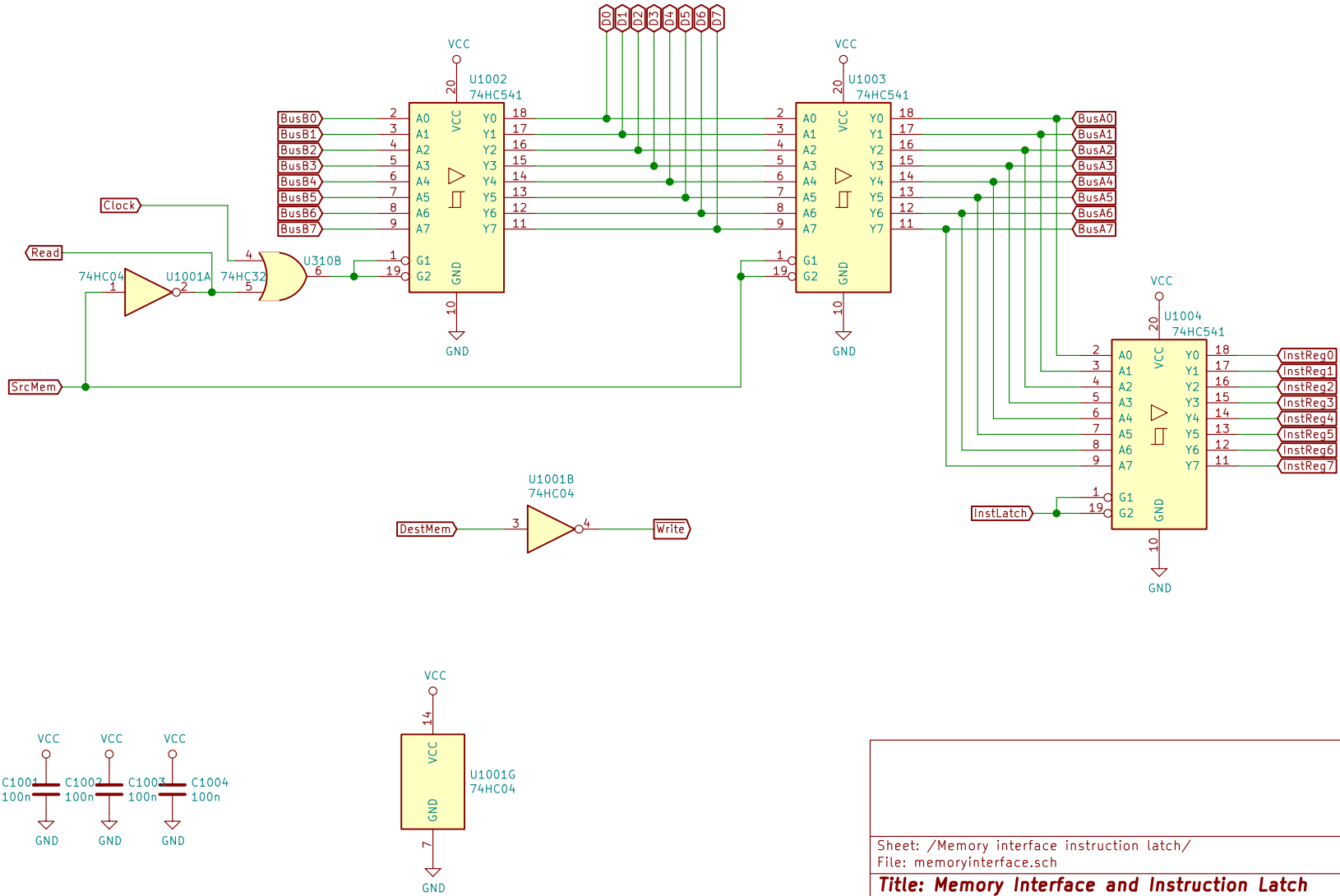


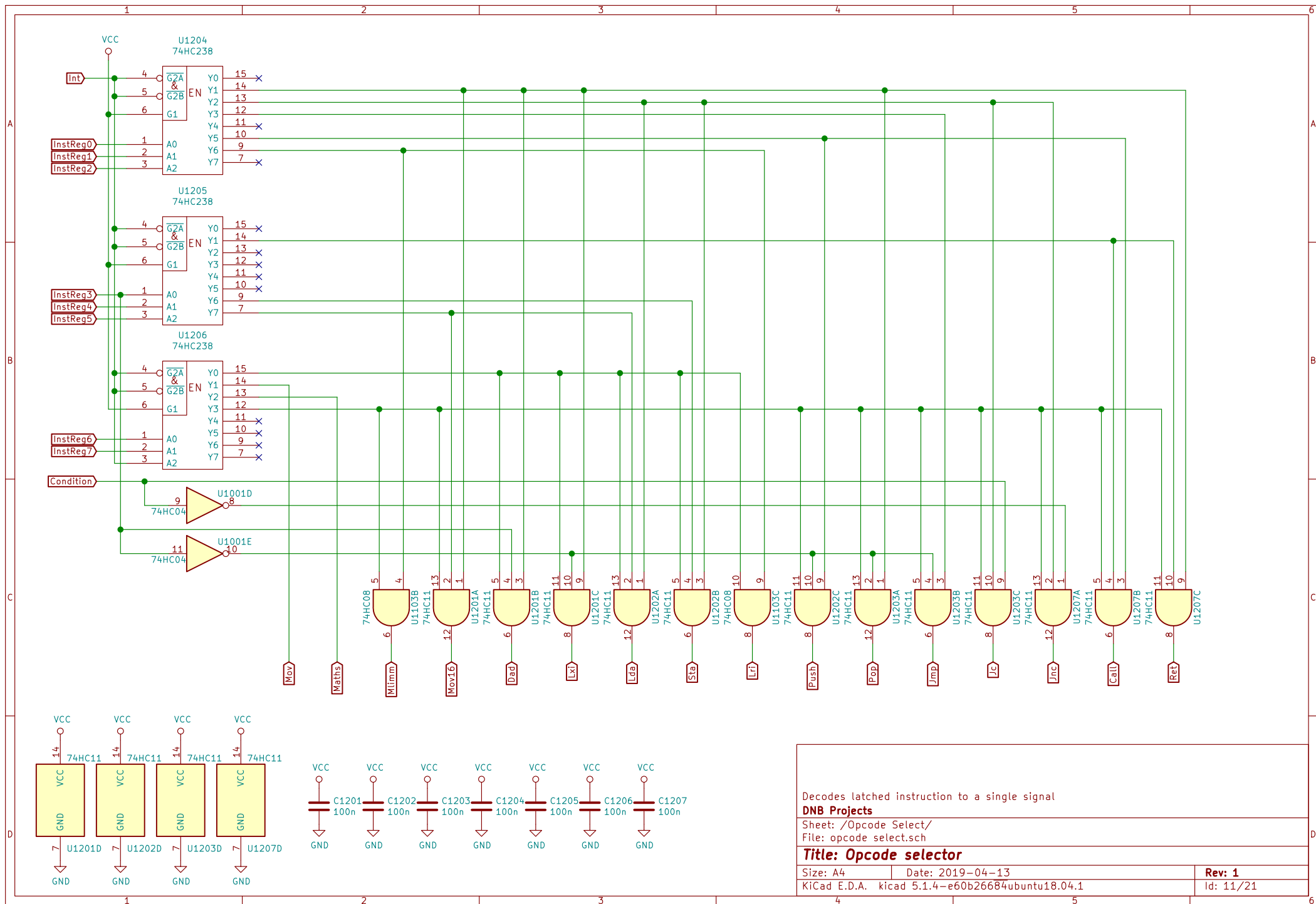


Sheet: /Condition Tester/
File: condition tester.sch

Title: Condition Tester

Size: A4	Date: 2019-04-09	Rev: 1
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1		Id: 8/21





Decodes latched instruction to a single signal

DNB Projects

Sheet: /Opcode Select/

File: opcode select.sch

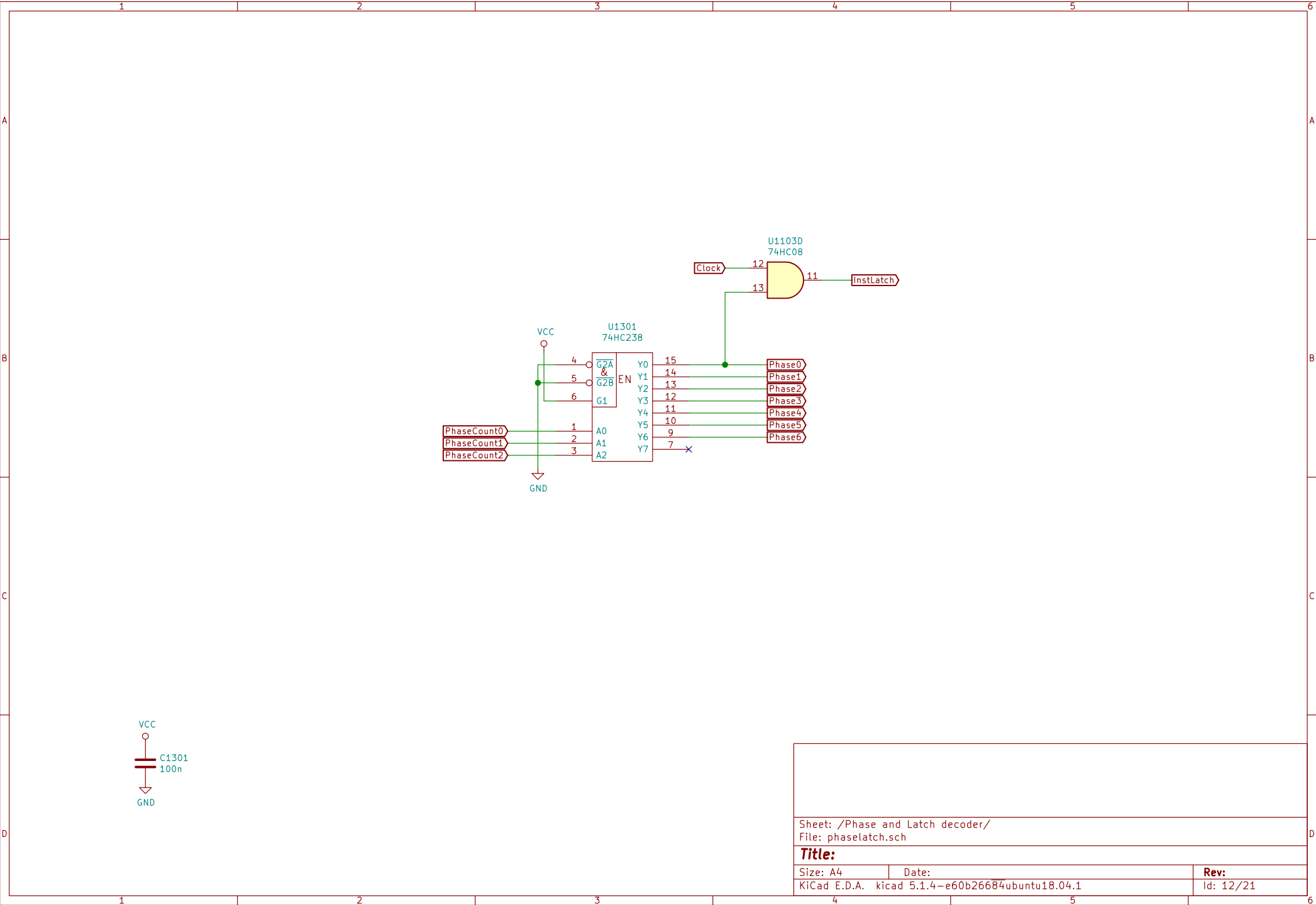
Title: Opcode selector

Size: A4 Date: 2019-04-13

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Rev: 1

Id: 11/21



Sheet: /Phase and Latch decoder/
File: phaselatch.sch

Title:

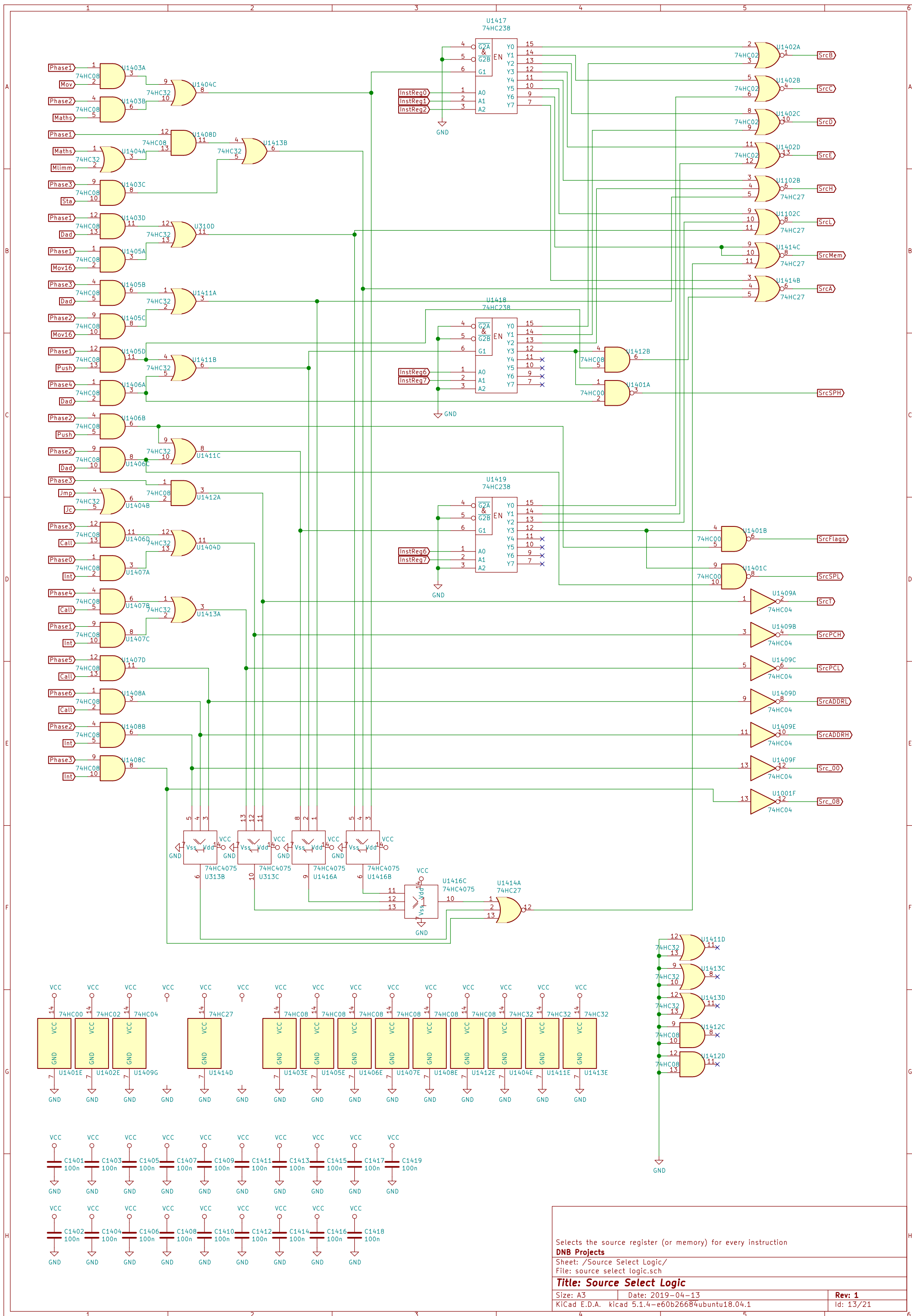
Size: A4

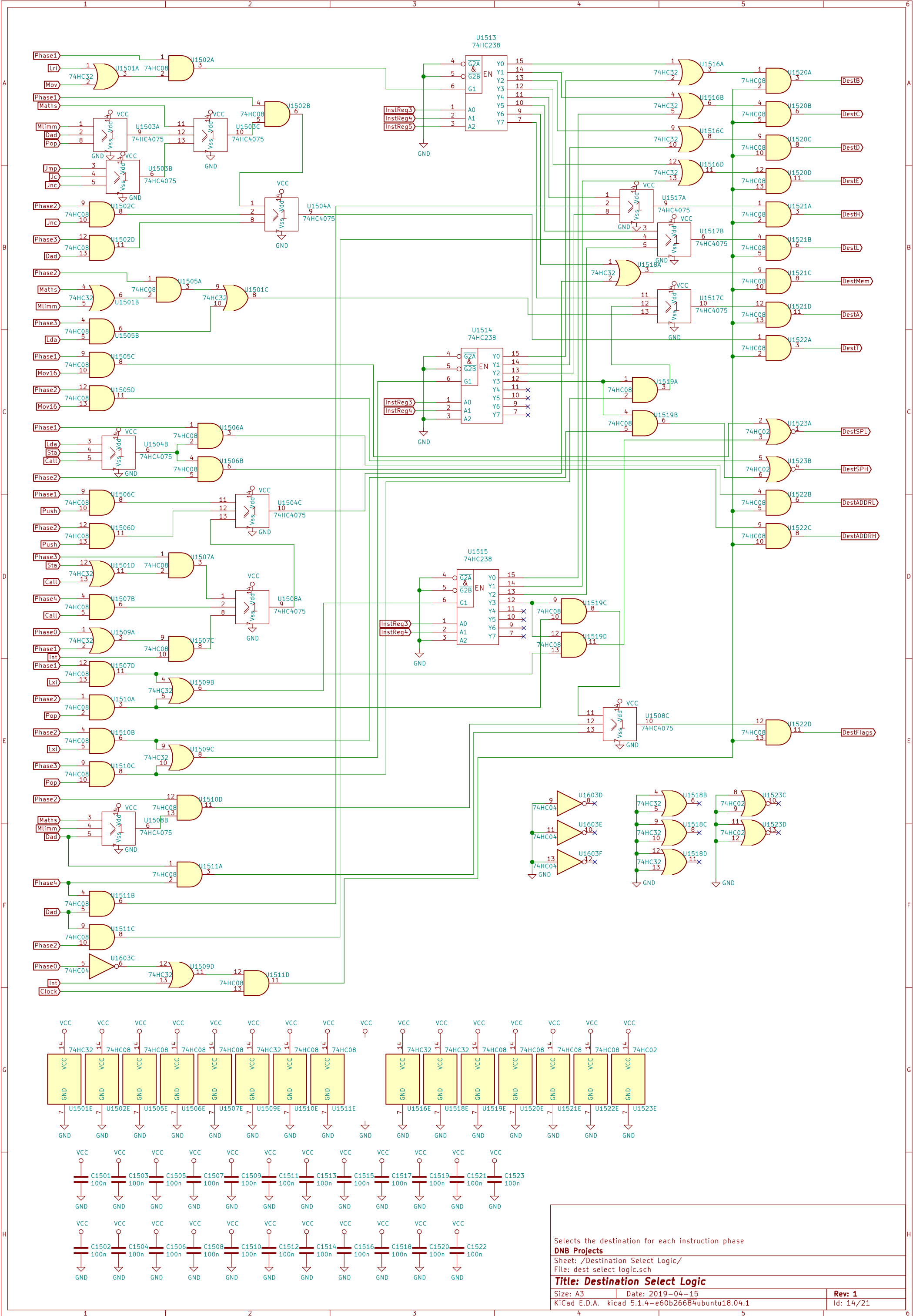
Date:

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

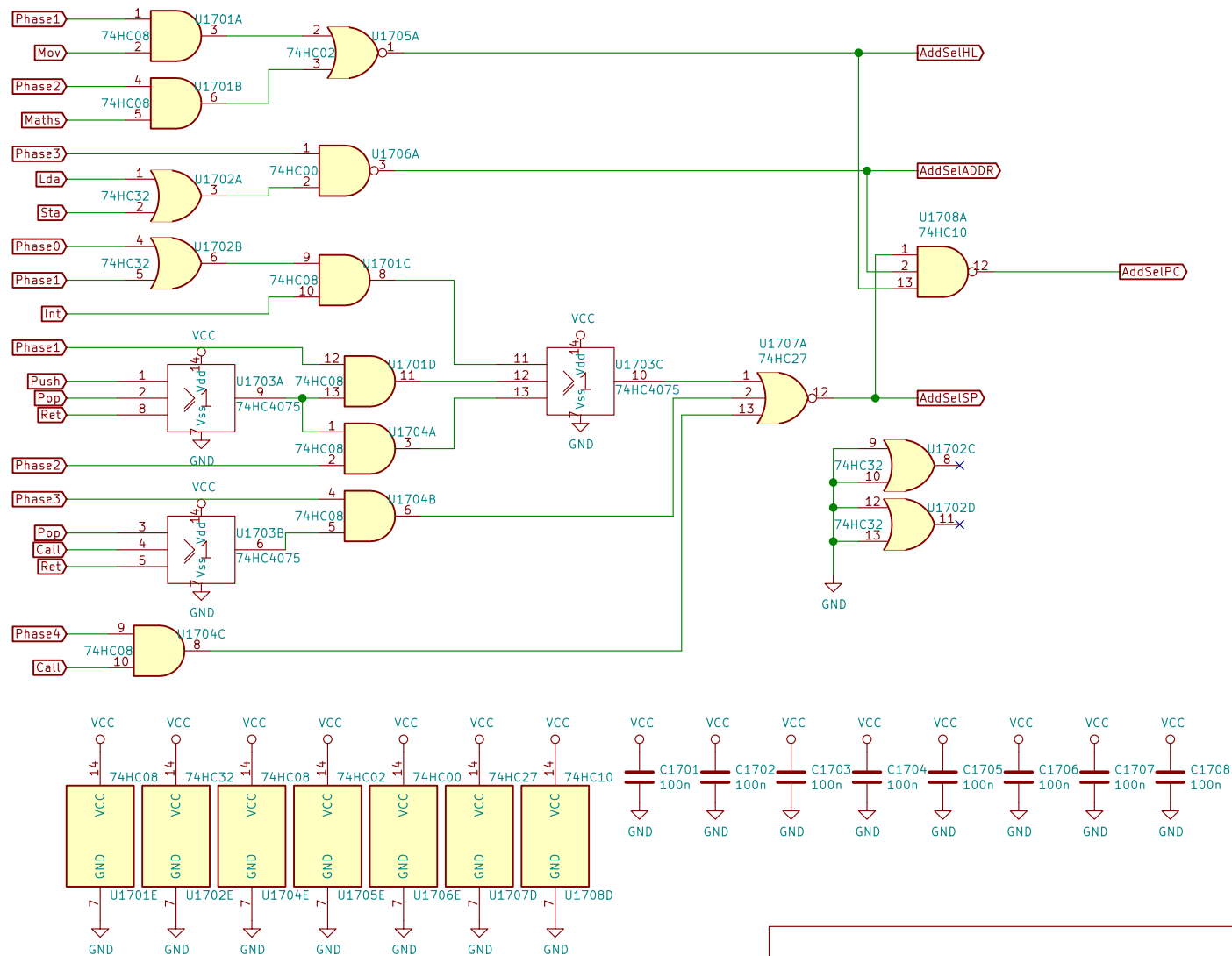
Rev:

Id: 12/21





Id: 15/21



Selects prog counter, stack pointer, HL, or ADDR to memory

DNB Projects

Sheet: /Address Selector/

File: addressselect.sch

Title: Address Source Selection

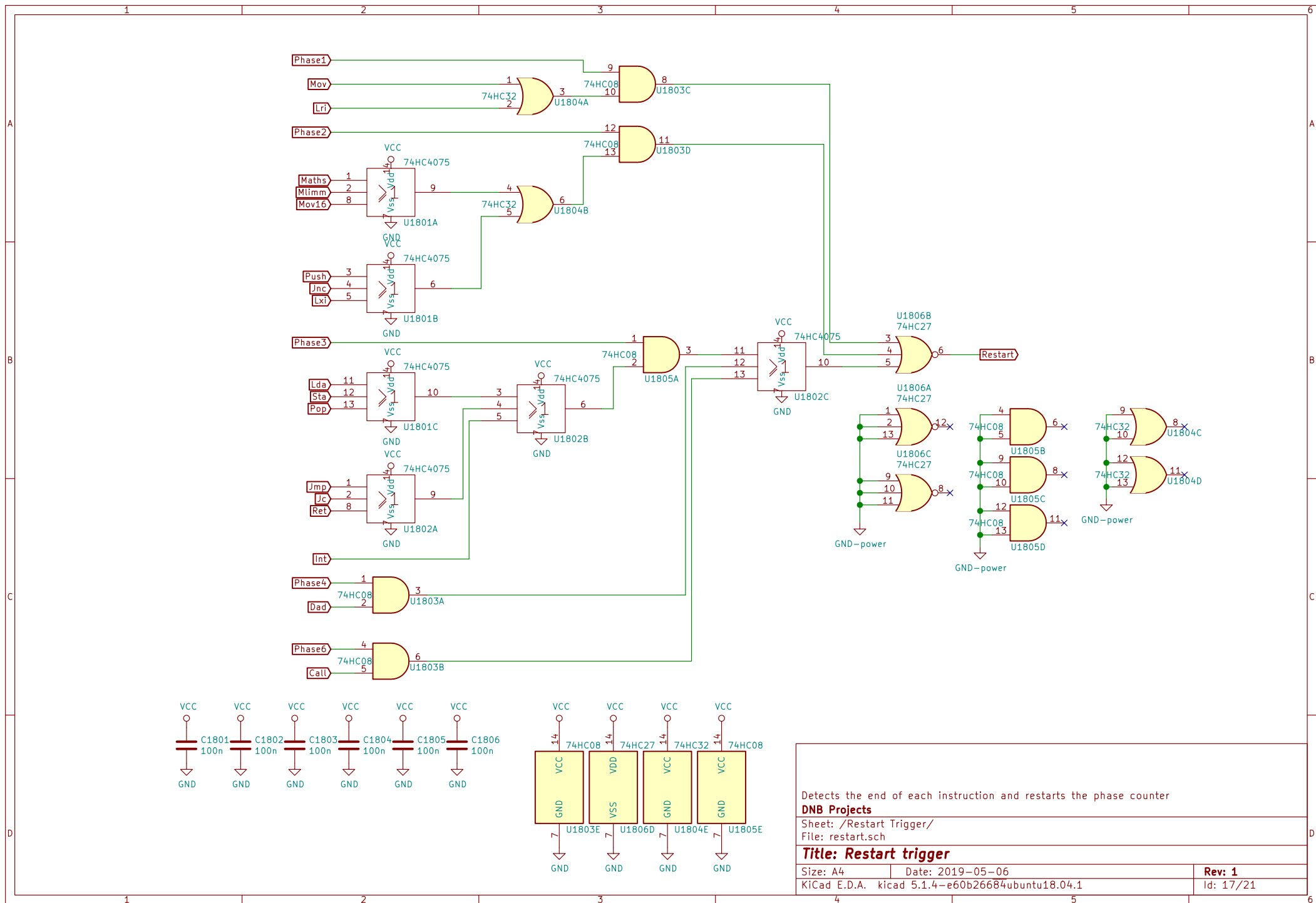
Size: A4

Date: 2019-04-22

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Rev: 1

Id: 16/21



Detects the end of each instruction and restarts the phase counter

DNB Projects

Sheet: /Restart Trigger/

File: restart.sch

Title: Restart trigger

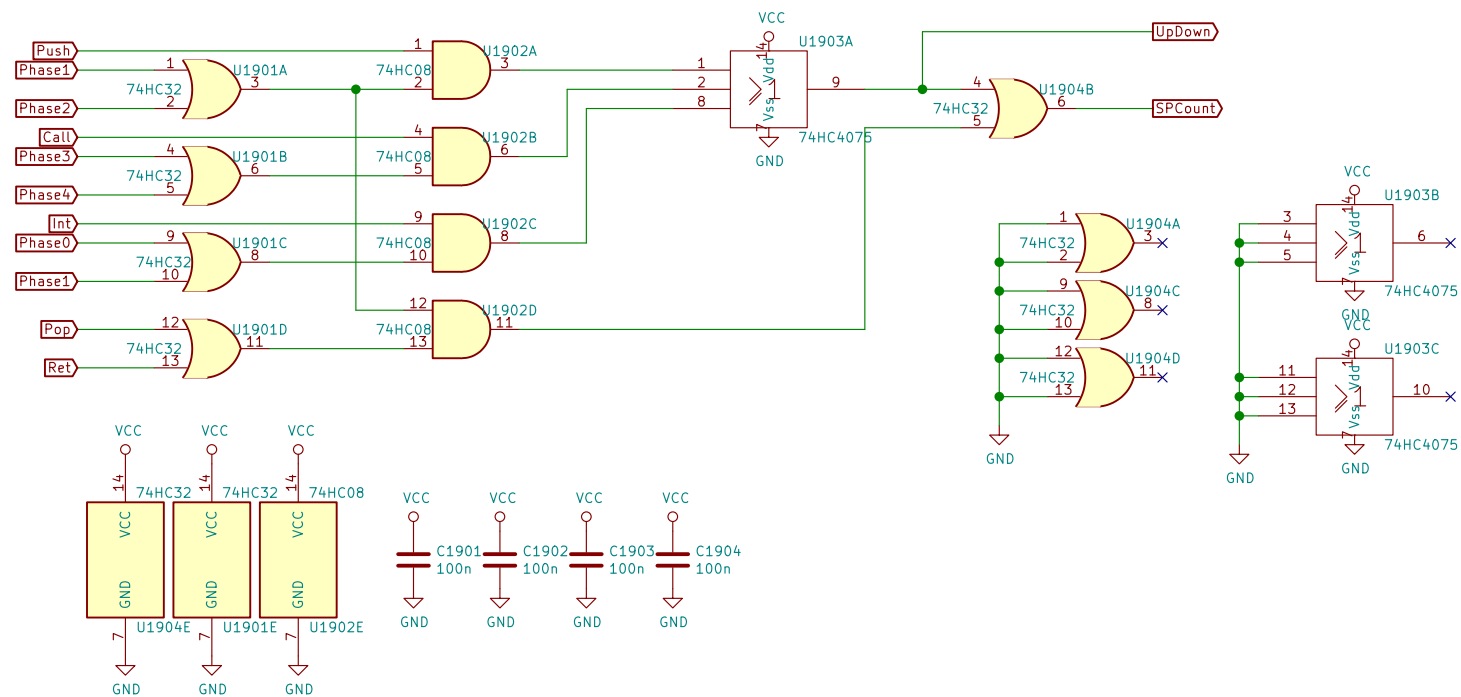
Size: A4

Date: 2019-05-06

Rev: 1

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Id: 17/21



Controls when and in which direction the stack pointer moves

DNB Projects

Sheet: /Stack Control/

File: stack_control.sch

Title: Stack Control

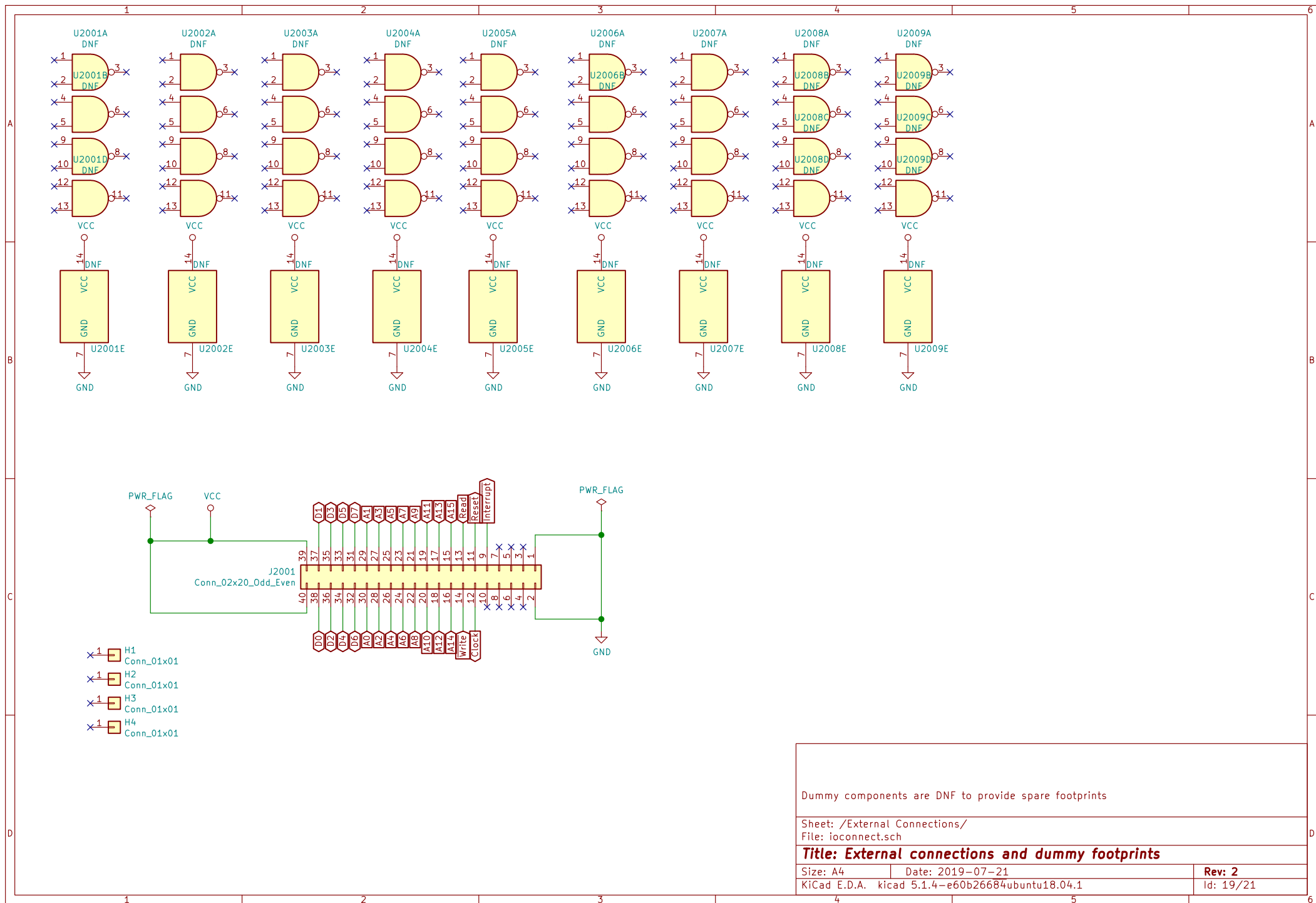
Size: A4

Date: 2019-05-08

Rev: 1

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Id: 18/21



Dummy components are DNF to provide spare footprints

Sheet: /External Connections/
File: ioconnect.sch

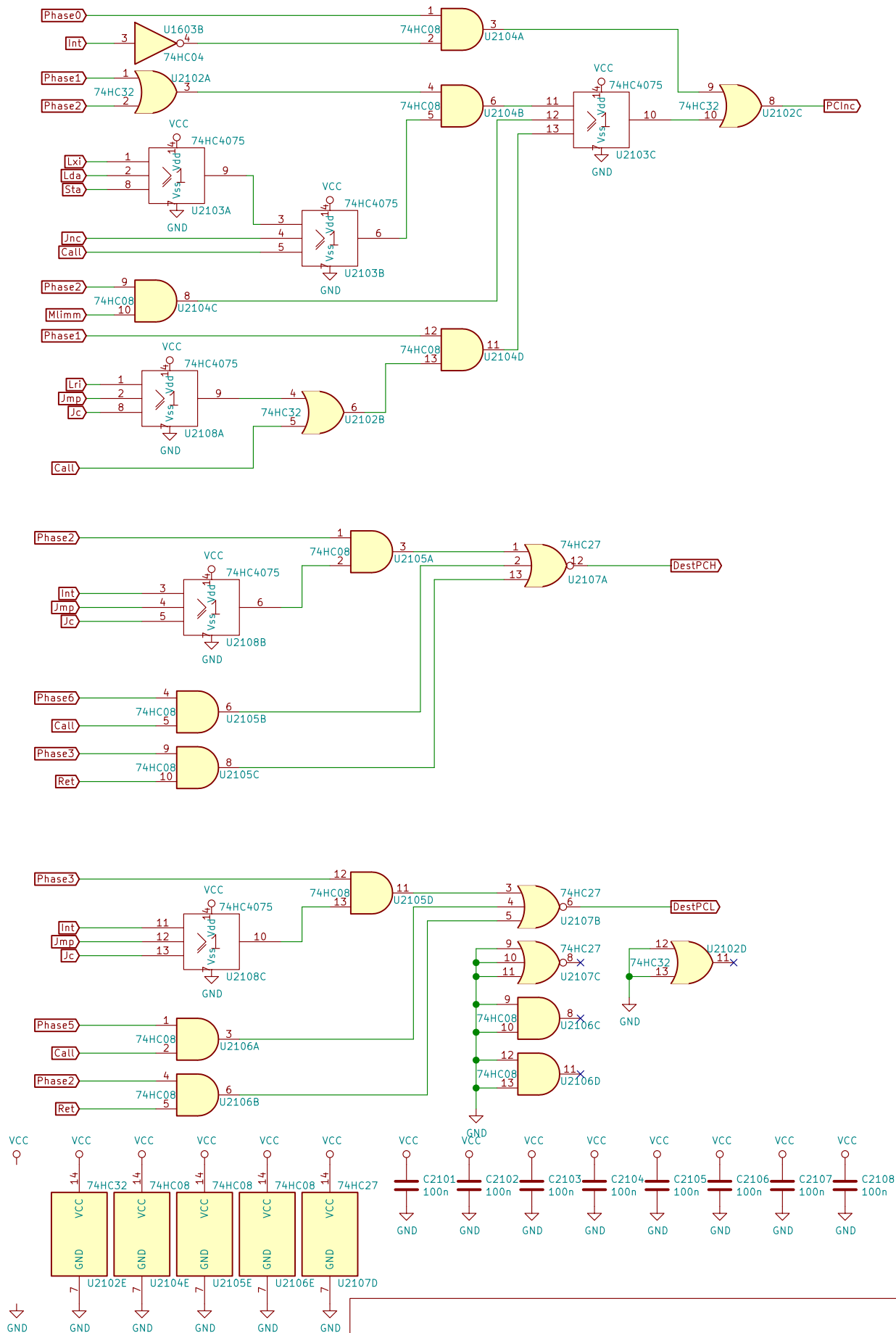
Title: External connections and dummy footprints

Size: A4 Date: 2019-07-21

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Rev: 2

Id: 19/21



Controls access to and timing for Program Counter

DNB Projects

Sheet: /Program Counter Control/

File: pccontrol.sch

Title: Program Counter Control

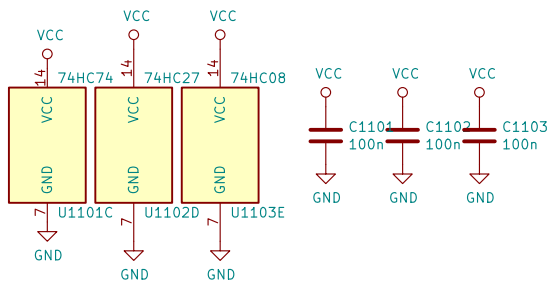
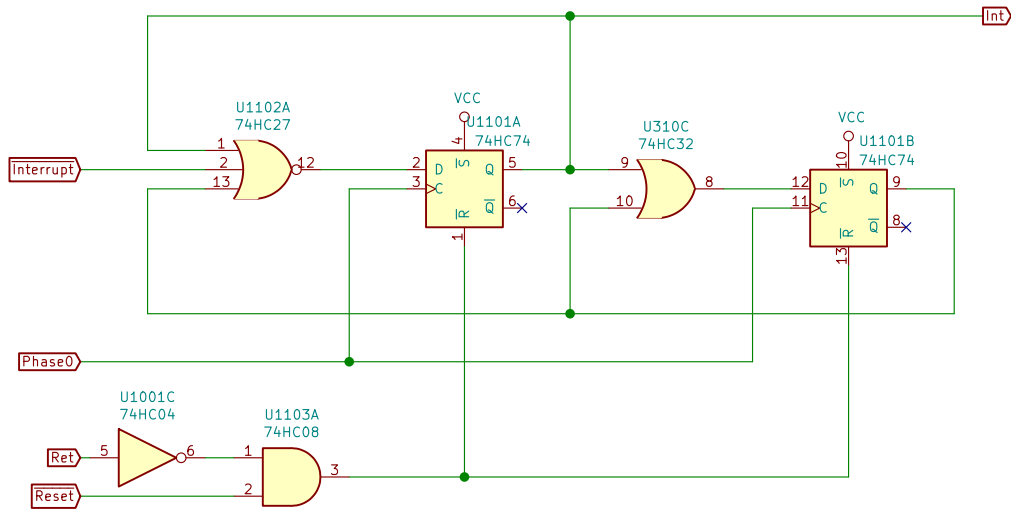
Size: A4

Date: 2019-05-08

Rev: 1

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Id: 20/21



DNB Projects

Sheet: /Interrupt state machine/
File: interruptSM.sch

Title: Interrupt Control State Machine

Size: A4 Date: 2019-04-13
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1

Rev: 1
Id: 21/21