

Clock generation

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Sheet: /clock/

File: clock.sch

Title: Nanoprocessor

Size: A4

Date:

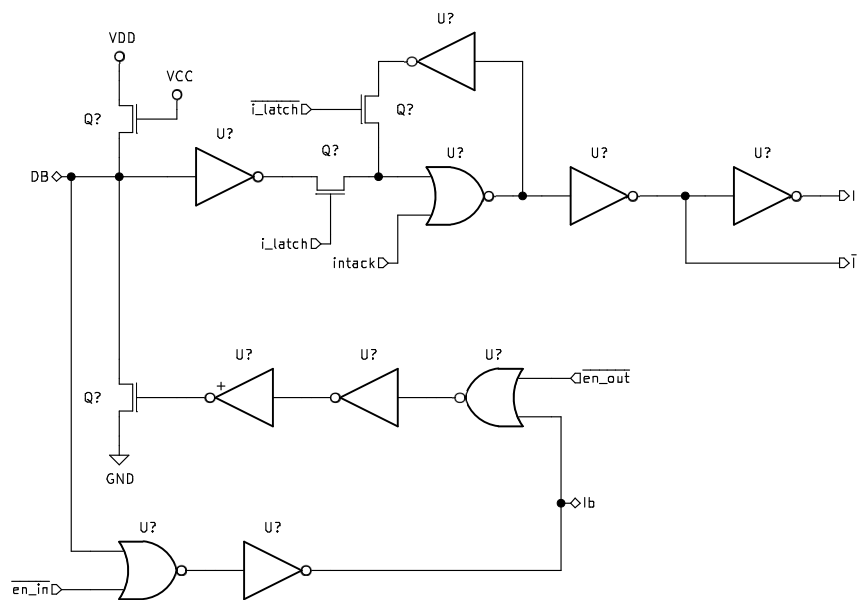
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 2/65

Rev: A
Id: 3/65

Rev: A
Id: 4/65



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Sheet: /data bus/db6_io/

File: db_io.sch

Title: Nanoprocessor

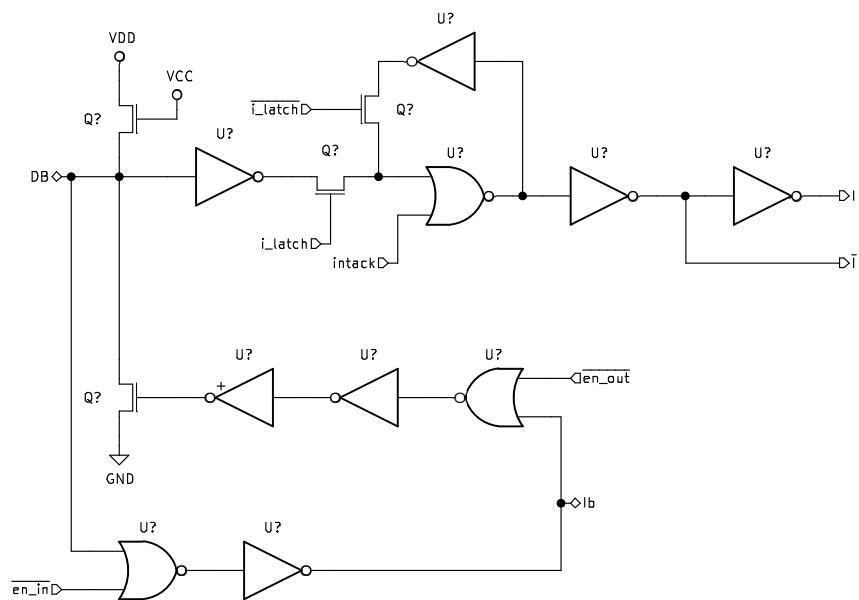
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 5/65



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Sheet: /data bus/db2_io/

File: db_io.sch

Title: Nanoprocessor

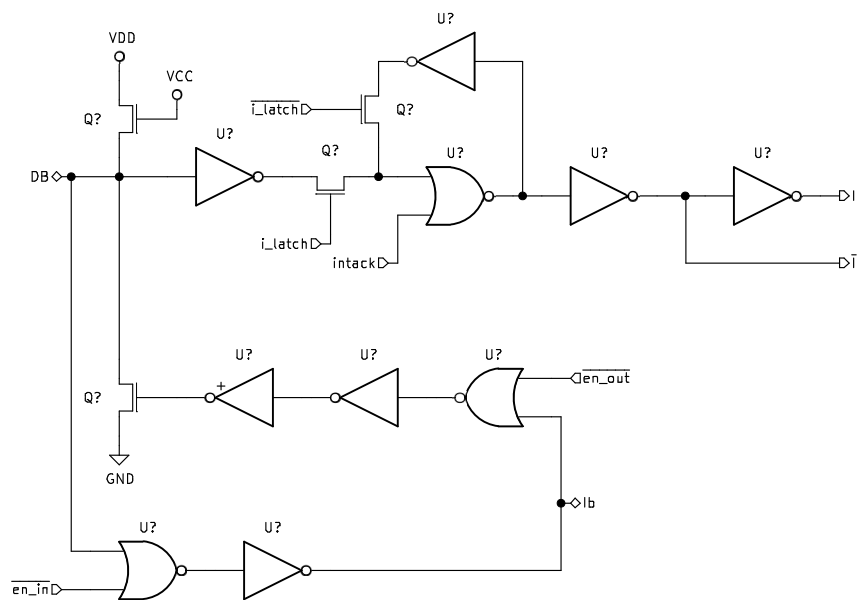
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 9/65



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Sheet: /data bus/db1_io/

File: db_io.sch

Title: Nanoprocessor

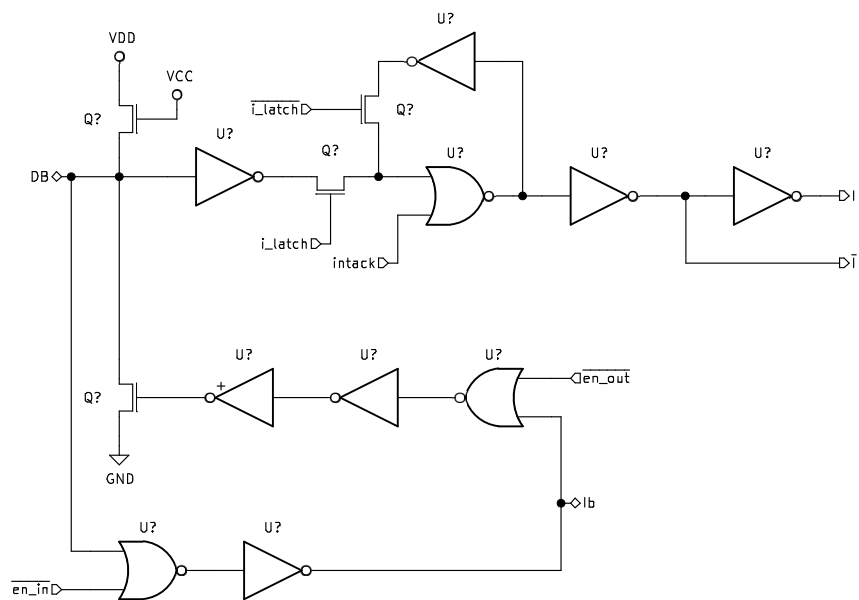
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 10/65



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Sheet: /data bus/db0_io/

File: db_io.sch

Title: Nanoprocessor

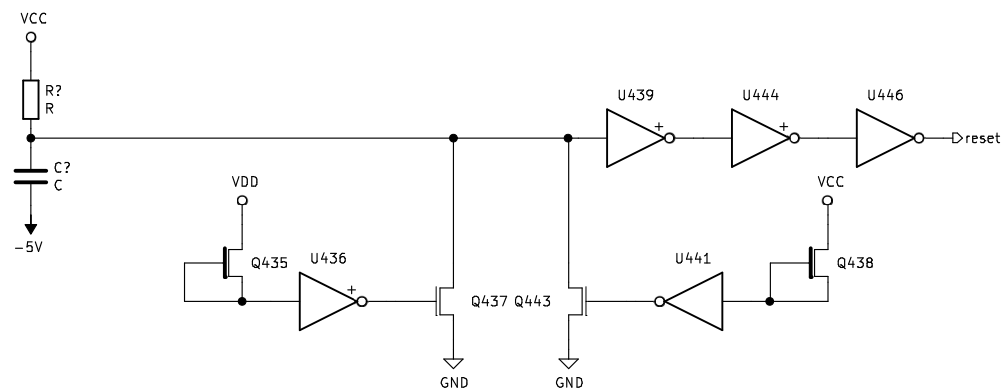
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 11/65



Reset generation

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Sheet: /reset/

File: reset.sch

Title: Nanoprocessor

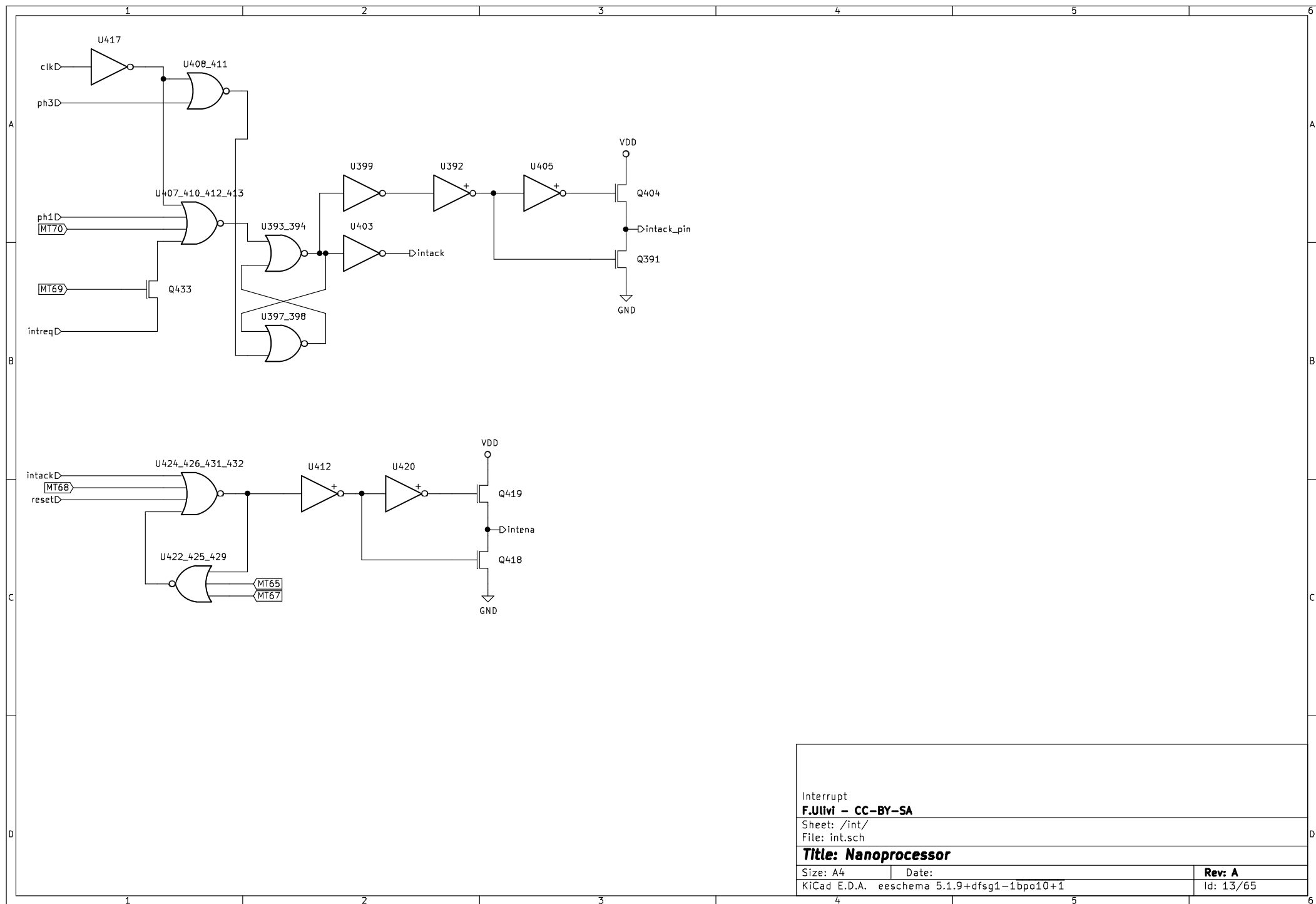
Size: A4

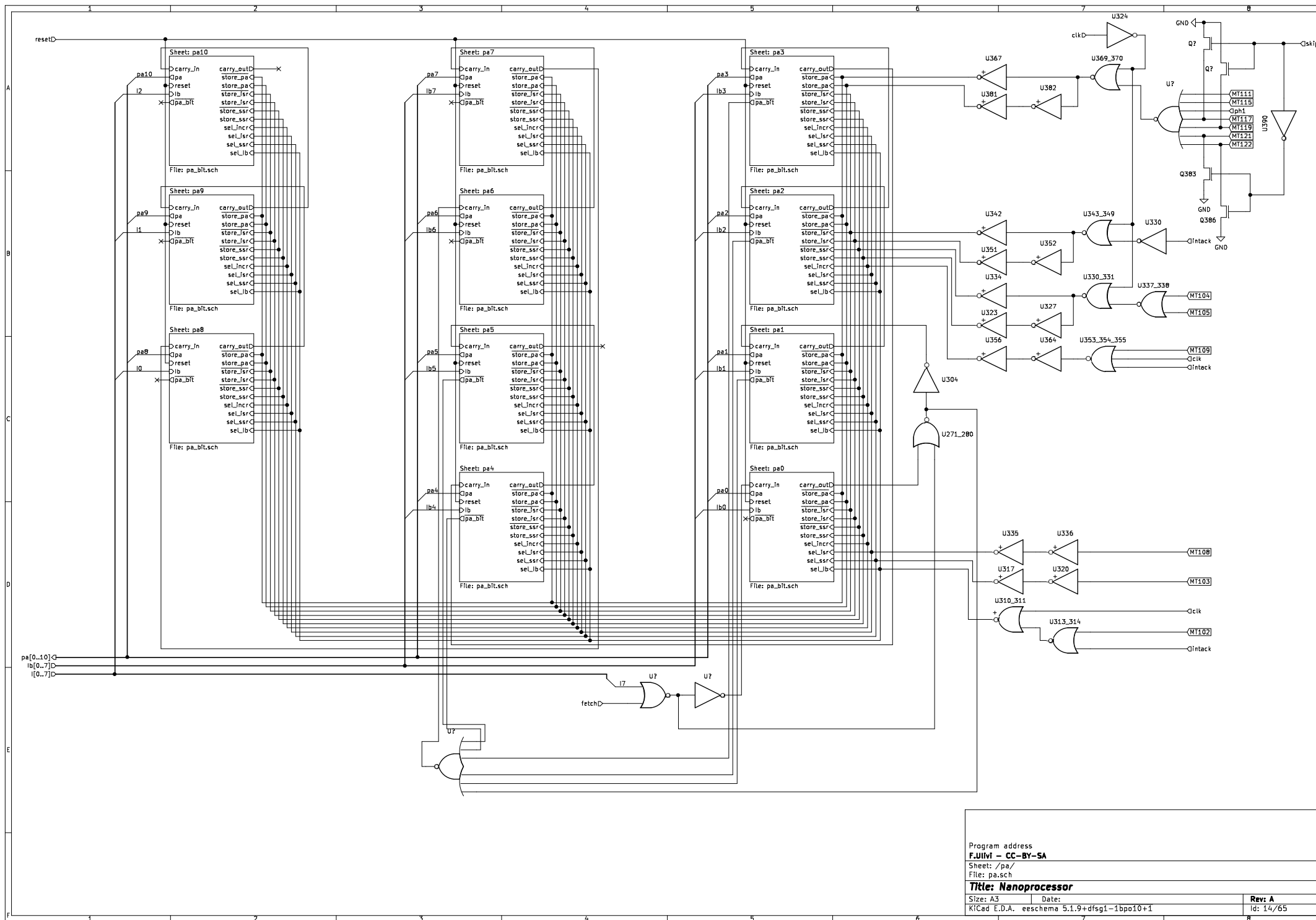
Date:

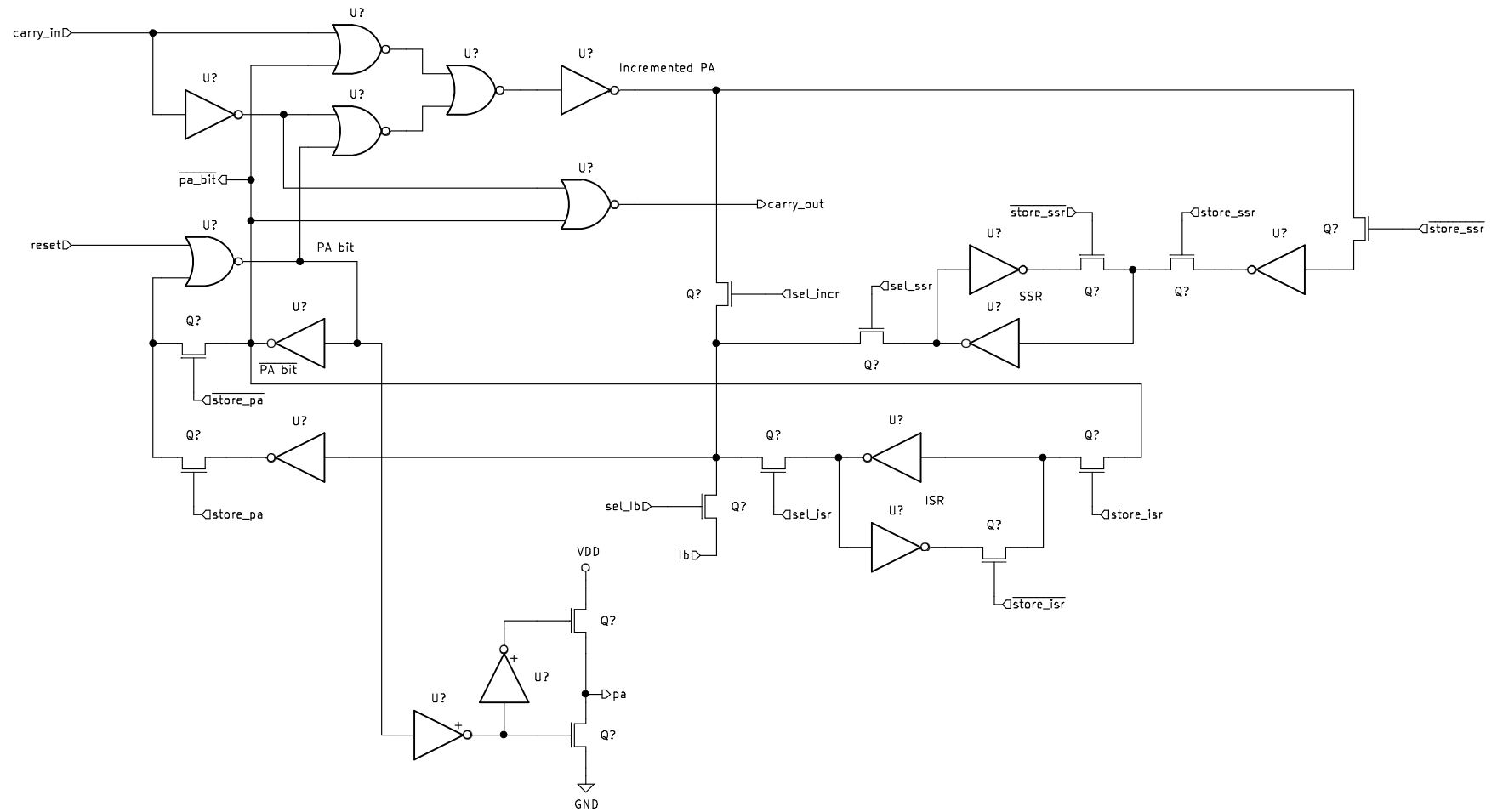
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 12/65







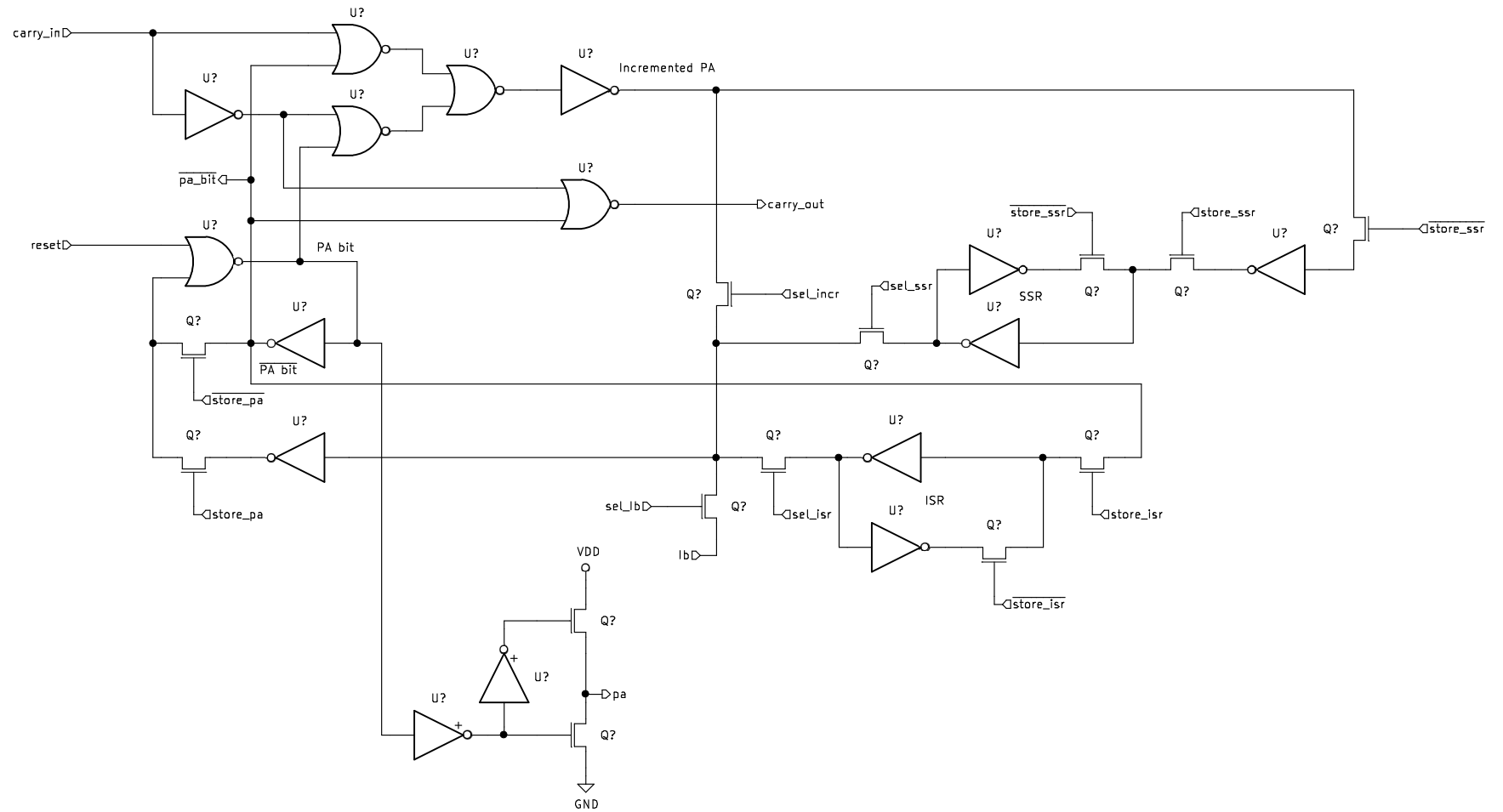
PA bit
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Sheet: /pa/pa9/
File: pa_bit.sch

Title: Nanoprocessor

Size: A4 Date: _____
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A
Id: 16/65



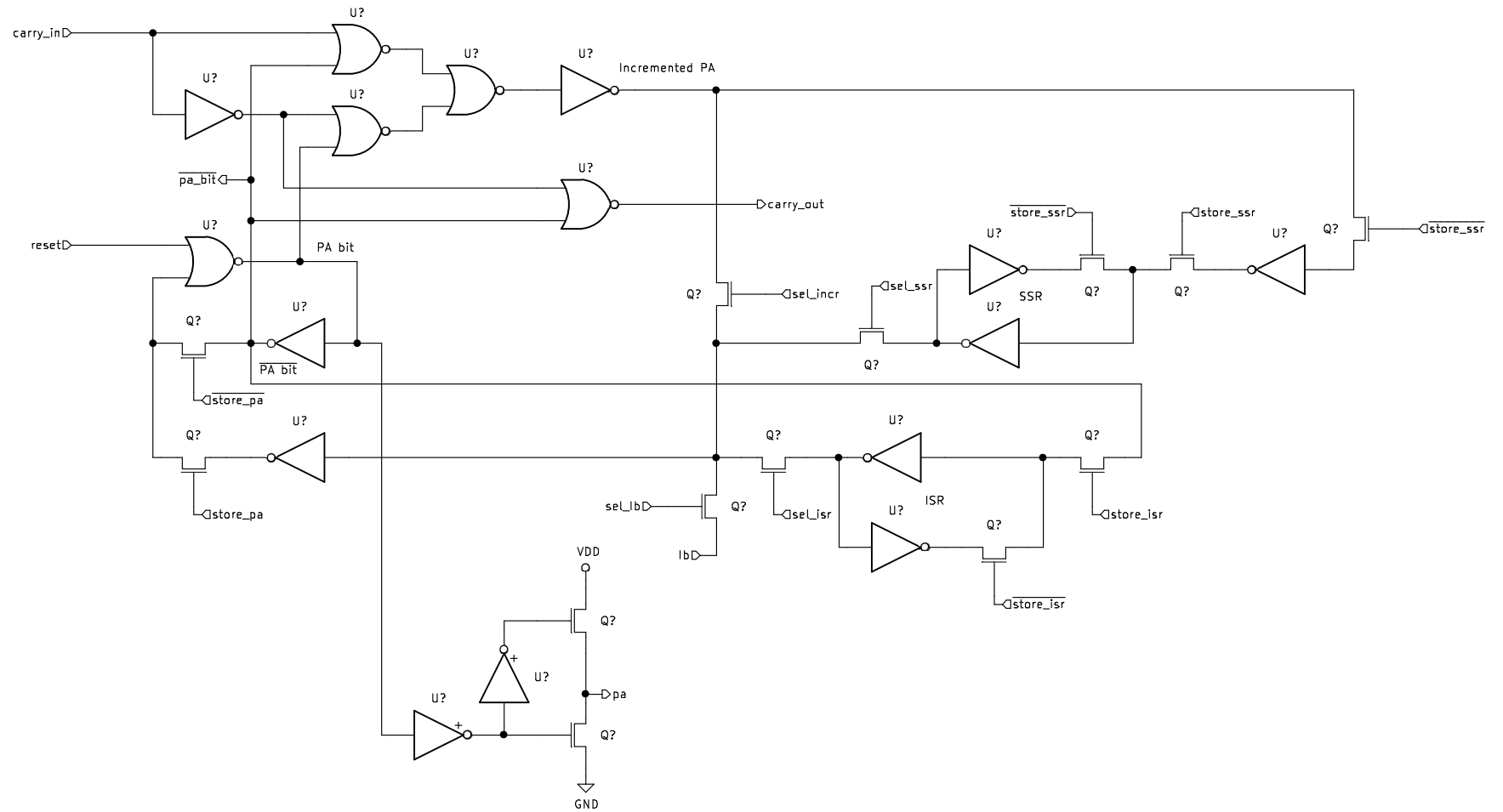
PA bit
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Sheet: /pa/pa6/
File: pa_bit.sch

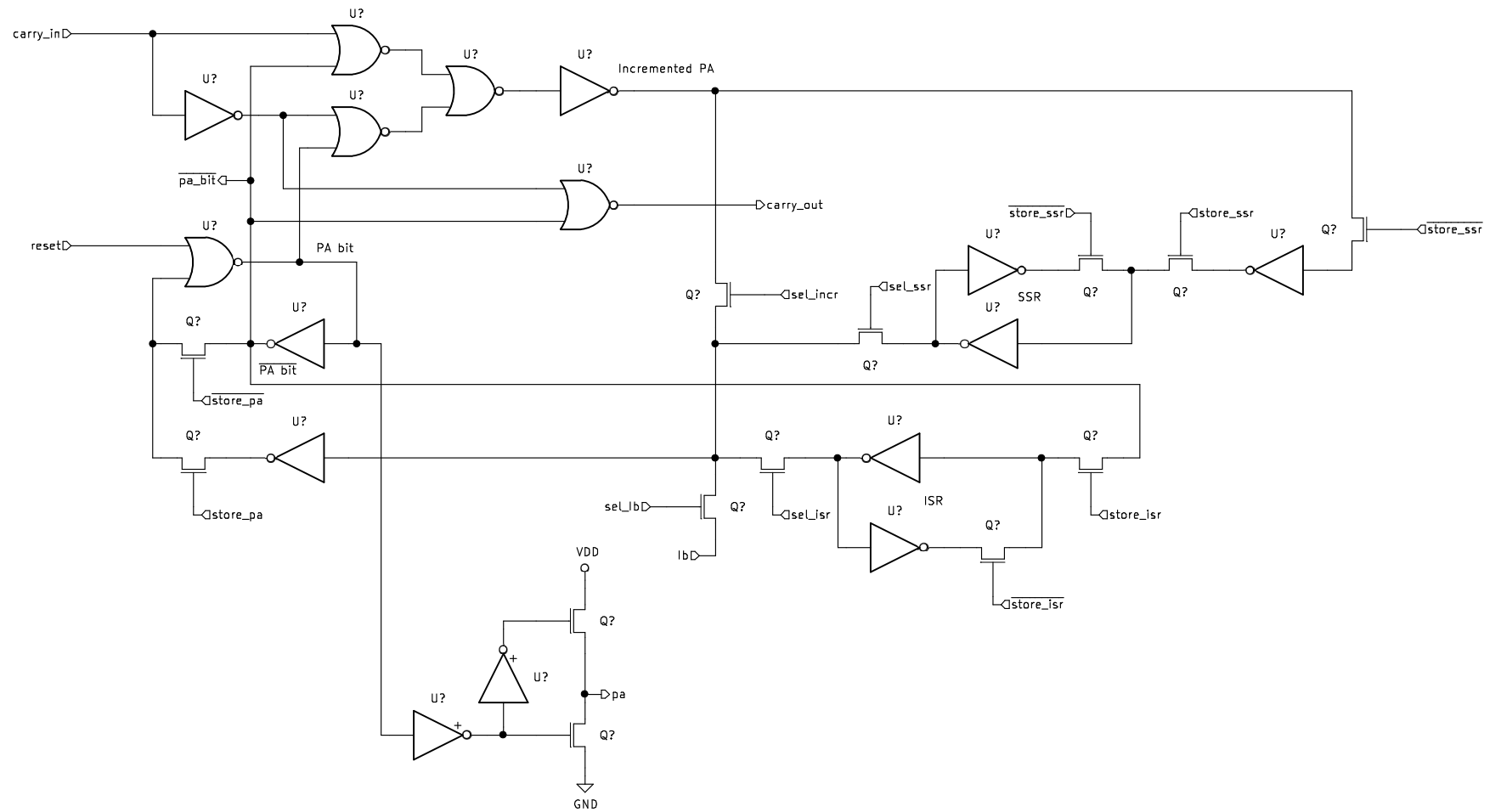
Title: Nanoprocessor

Size: A4 Date:
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A
Id: 19/65



PA bit
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 Sheet: /pa/pa5/
 File: pa_bit.sch
Title: Nanoprocessor
 Size: A4 Date:
 KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1 Id: 20/65



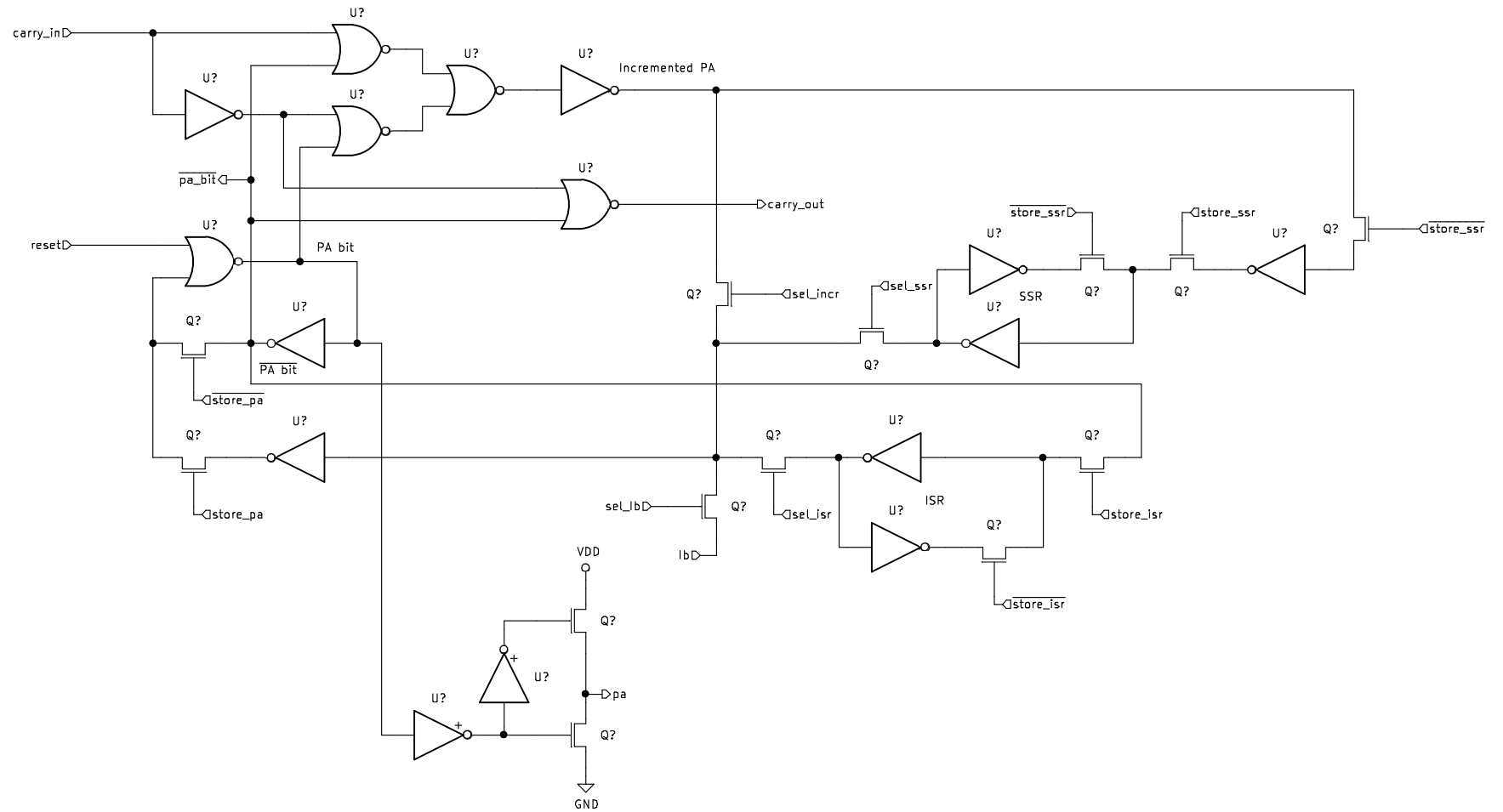
PA bit
F.Ulivi - CC-BY-SA

Sheet: /pa/pa4/
File: pa_bit.sch

Title: Nanoprocessor

Size: A4 Date:
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A
Id: 21/65



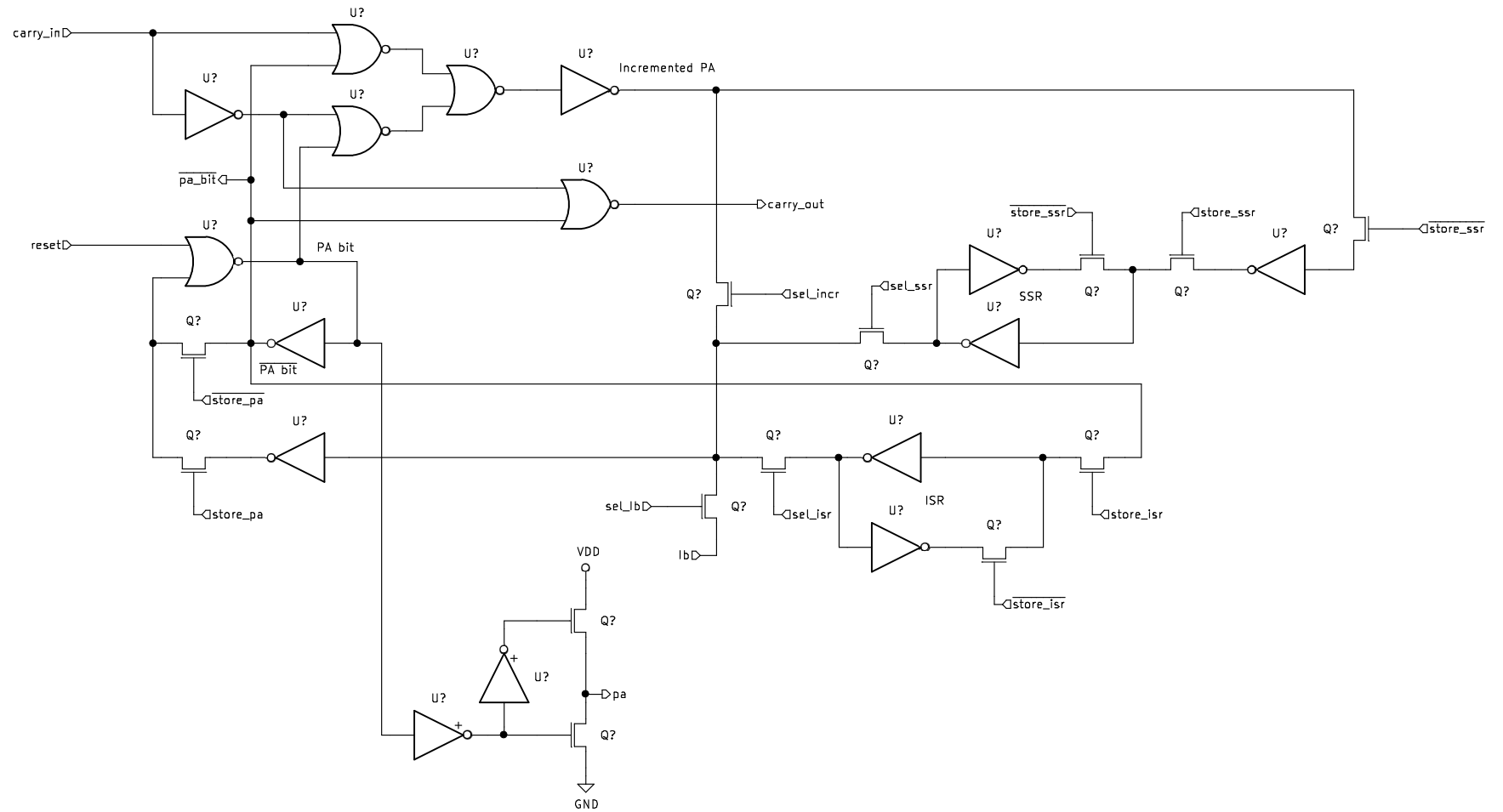
PA bit
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Sheet: /pa/pa3/
File: pa_bit.sch

Title: Nanoprocessor

Size: A4 Date:
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A
Id: 22/65



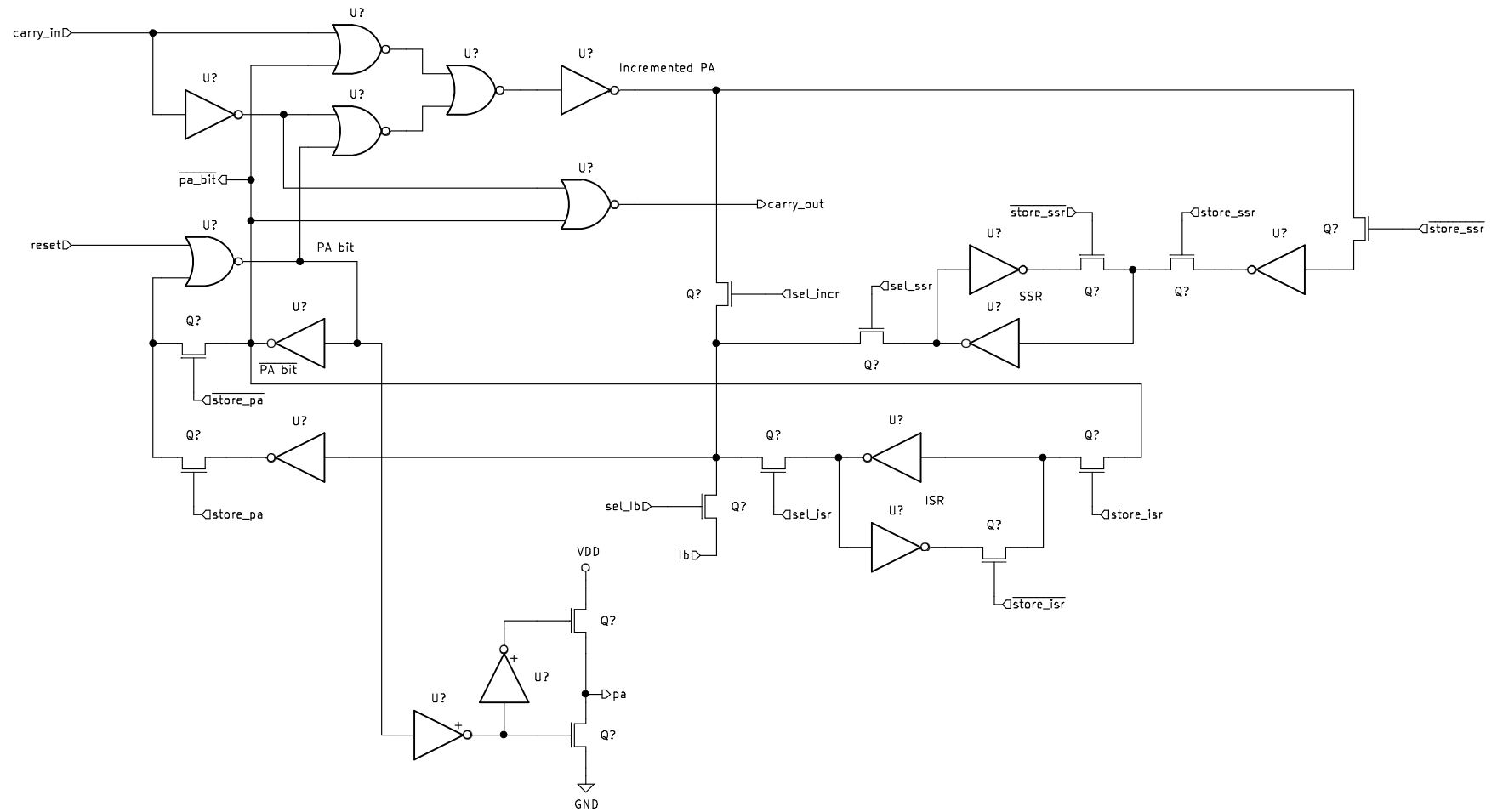
PA bit
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Sheet: /pa/pa2/
 File: pa_bit.sch

Title: Nanoprocessor

Size: A4 Date:
 KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpa10+1

Rev: A
 Id: 23/65



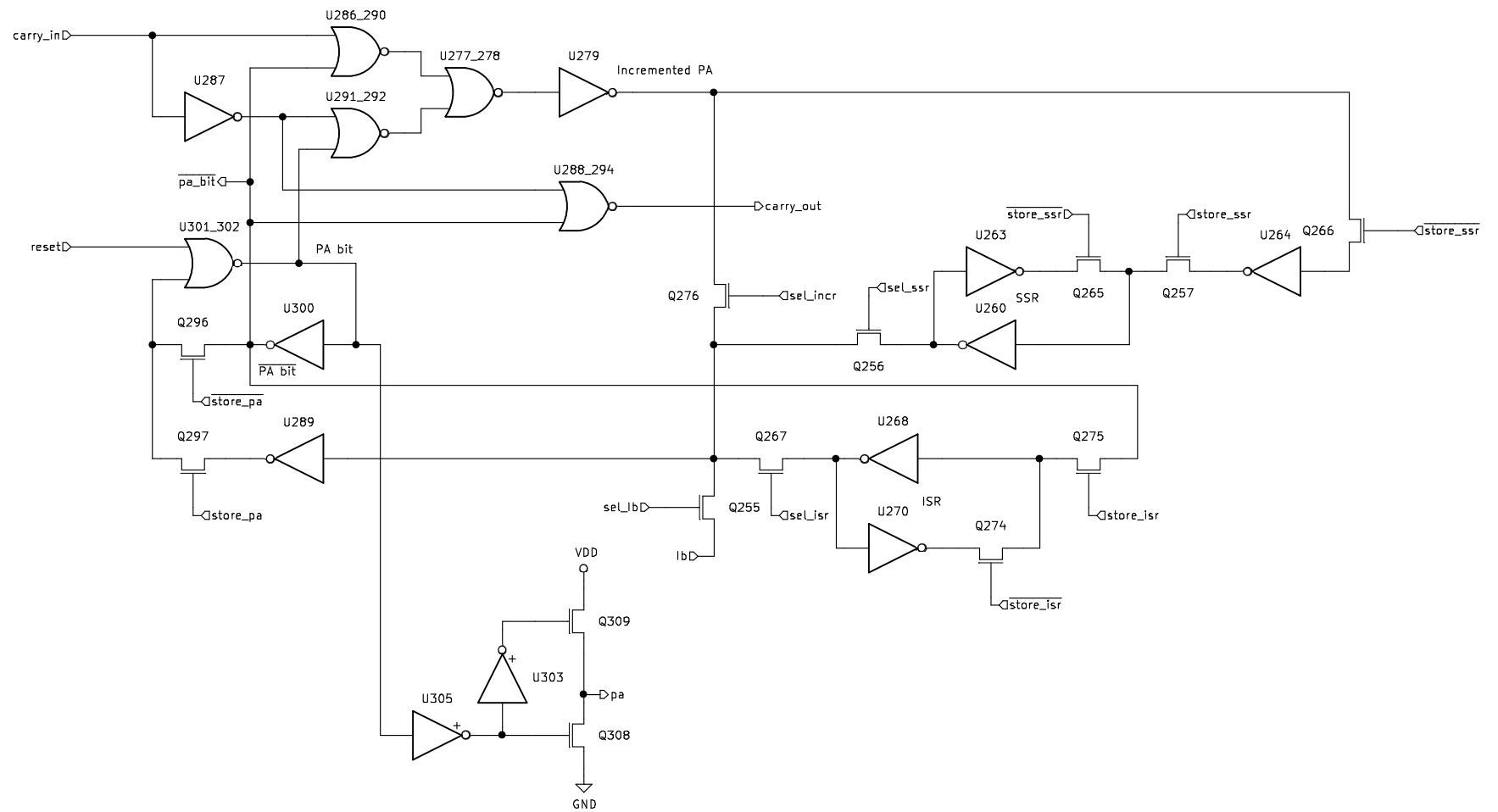
PA bit
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Sheet: /pa/pa1/
File: pa_bit.sch

Title: Nanoprocessor

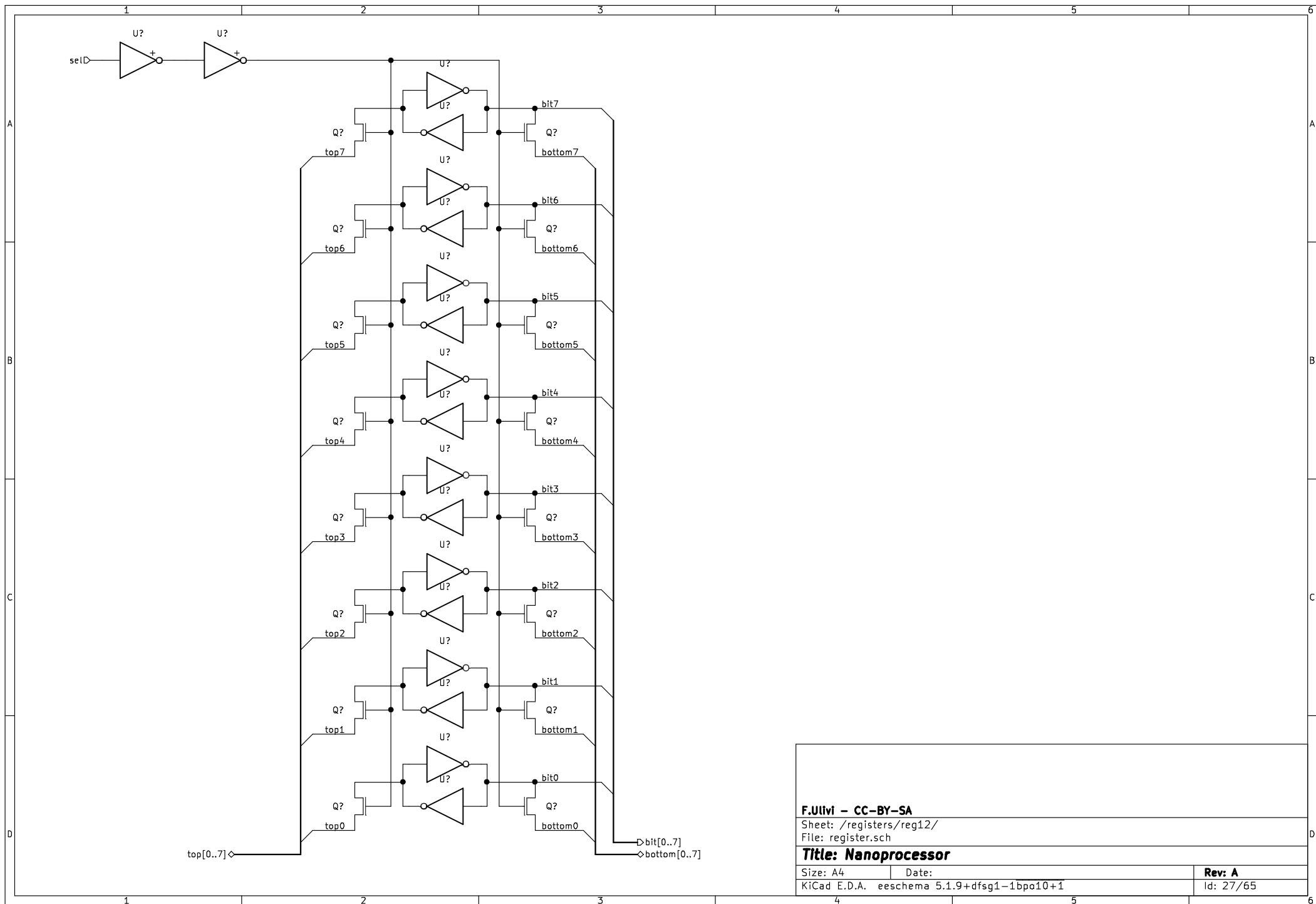
Size: A4 Date:
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpa10+1

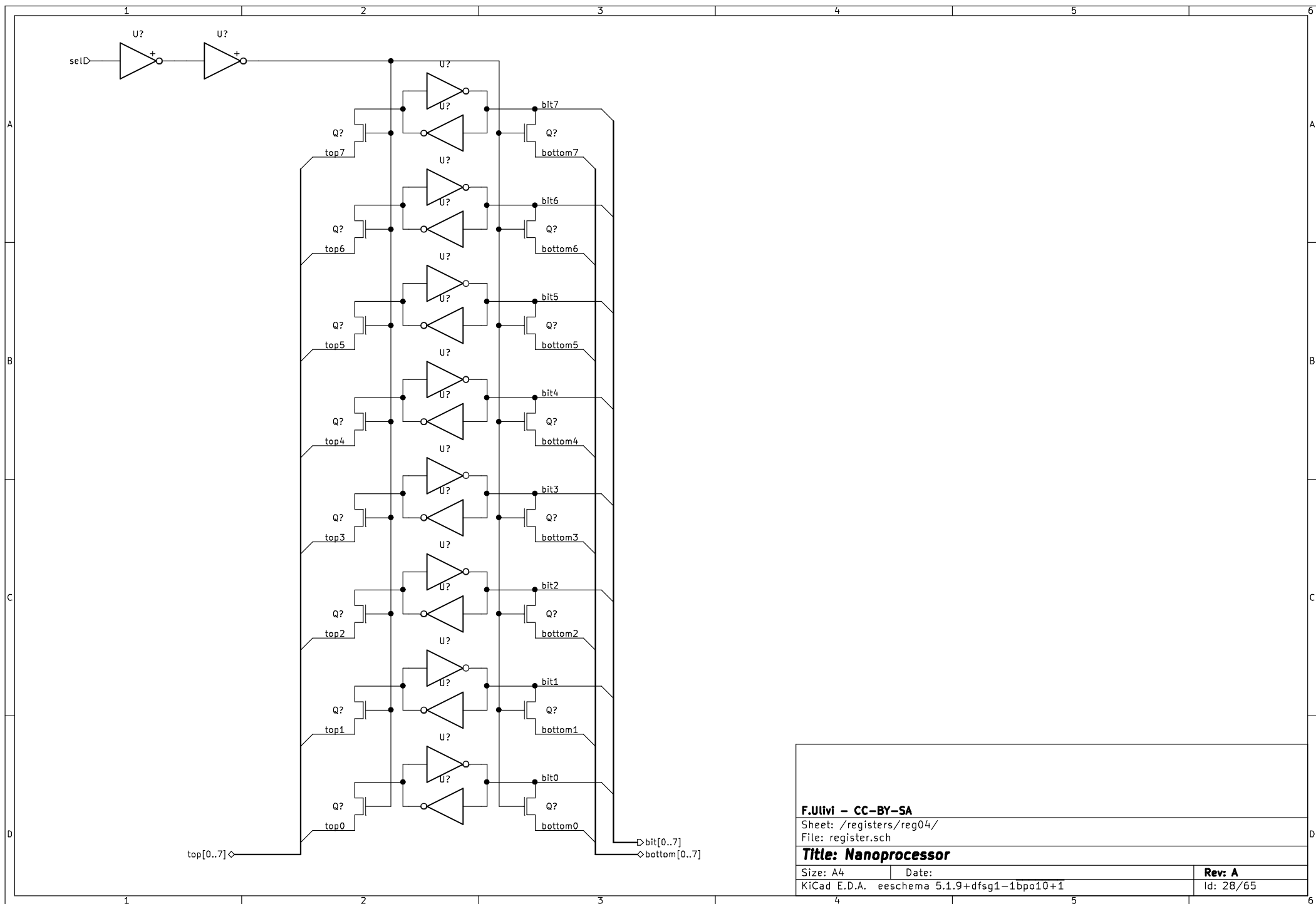
Rev: A
Id: 24/65



PA bit
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 Sheet: /pa/pa0/
 File: pa_bit.sch
Title: Nanoprocessor

Size: A4	Date:	Rev: A
KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1		Id: 25/65





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Sheet: /registers/reg04/

File: register.sch

Title: Nanoprocessor

Size: A4

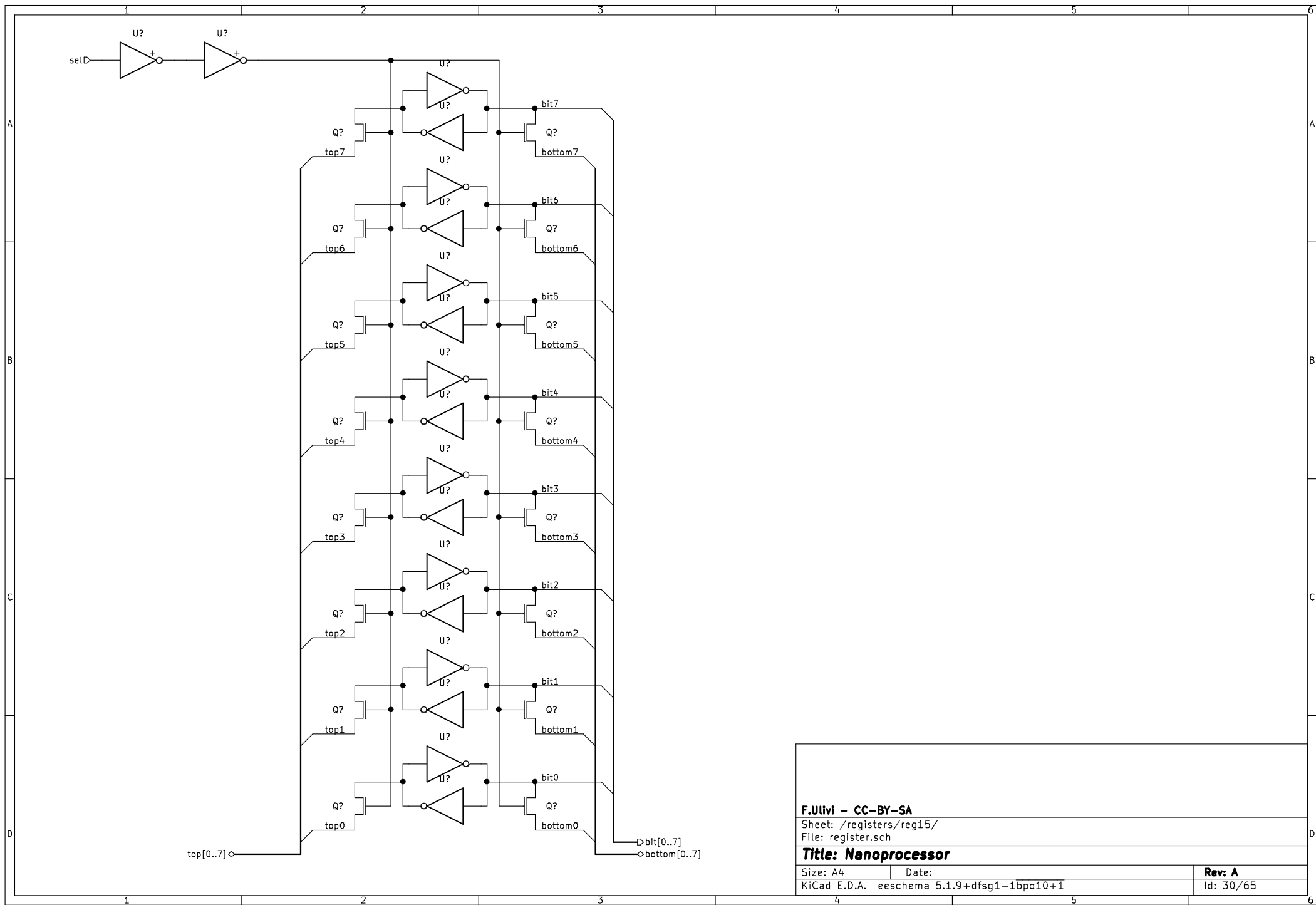
Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 28/65





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Sheet: /registers/reg15/

File: register.sch

Title: Nanoprocessor

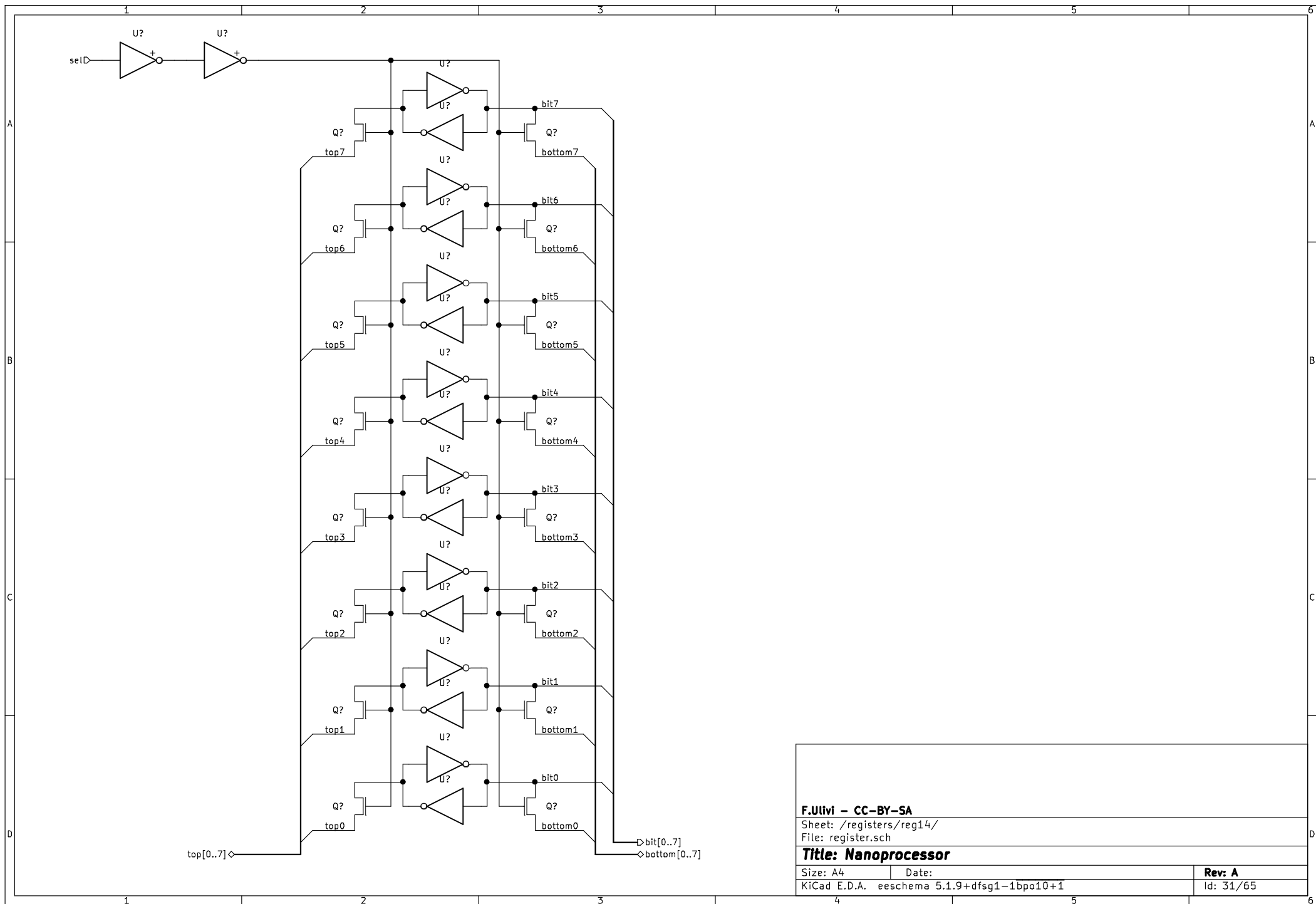
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 30/65



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Sheet: /registers/reg14/

File: register.sch

Title: Nanoprocessor

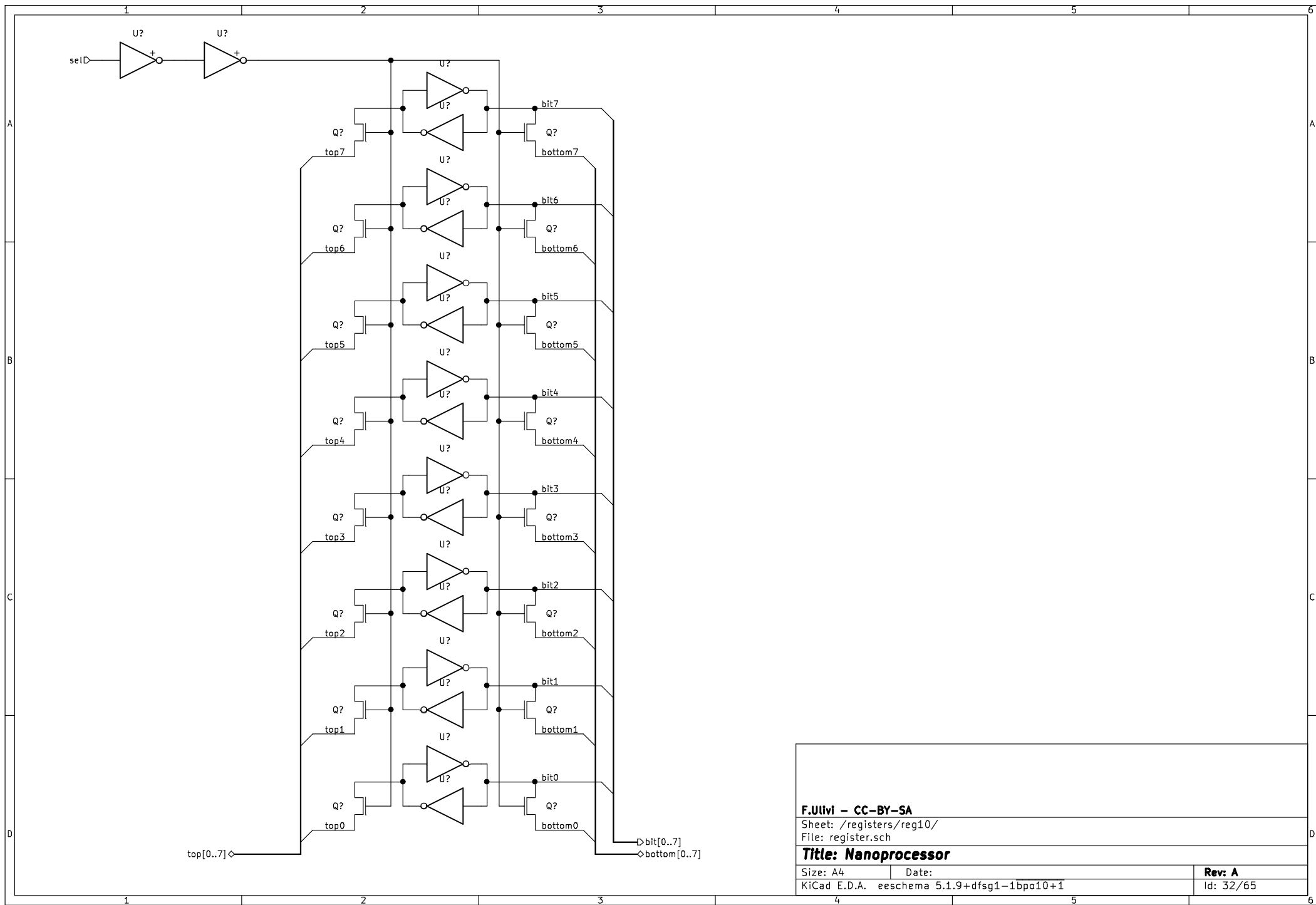
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 31/65



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Sheet: /registers/reg10/

File: register.sch

Title: Nanoprocessor

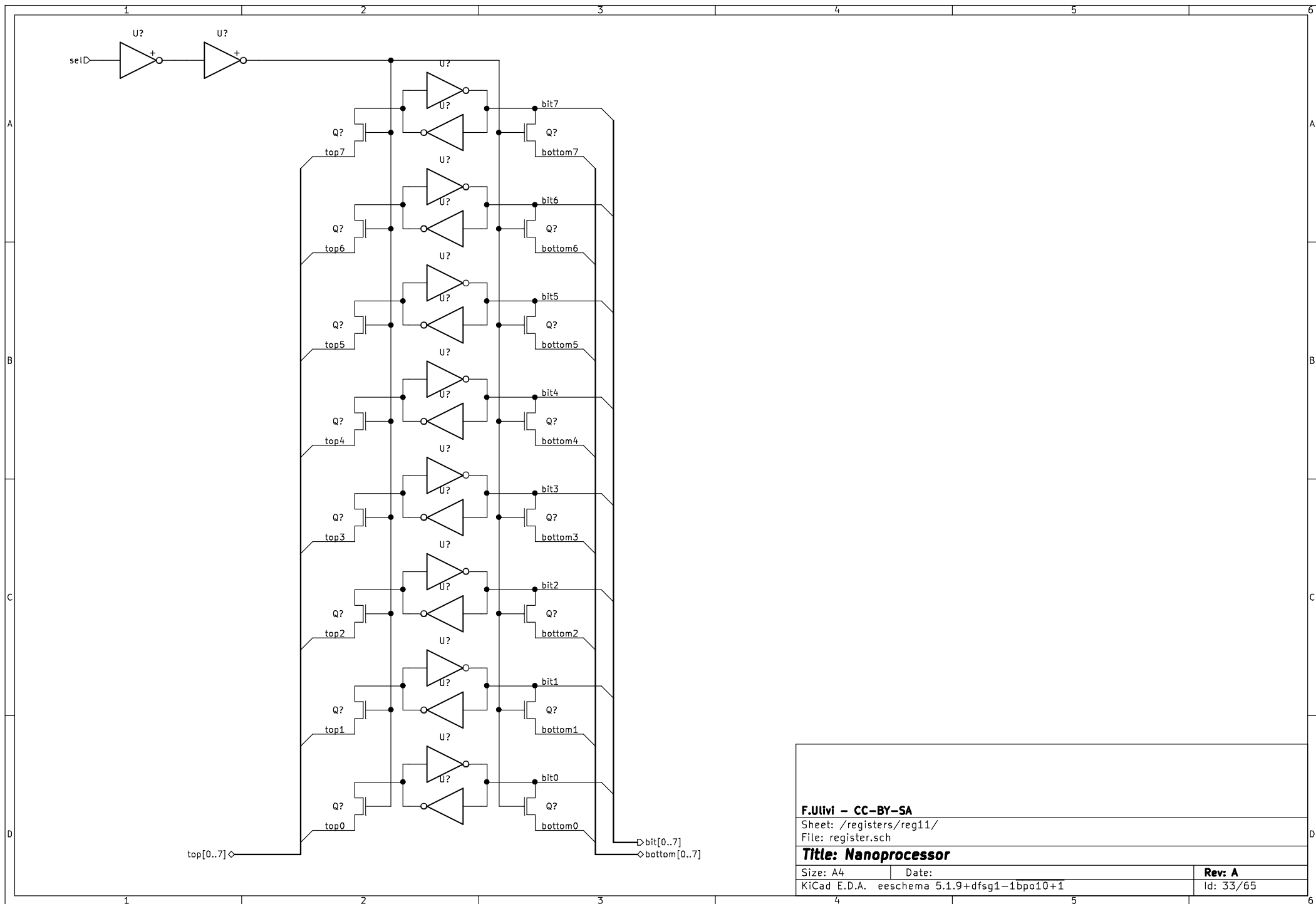
Size: A4

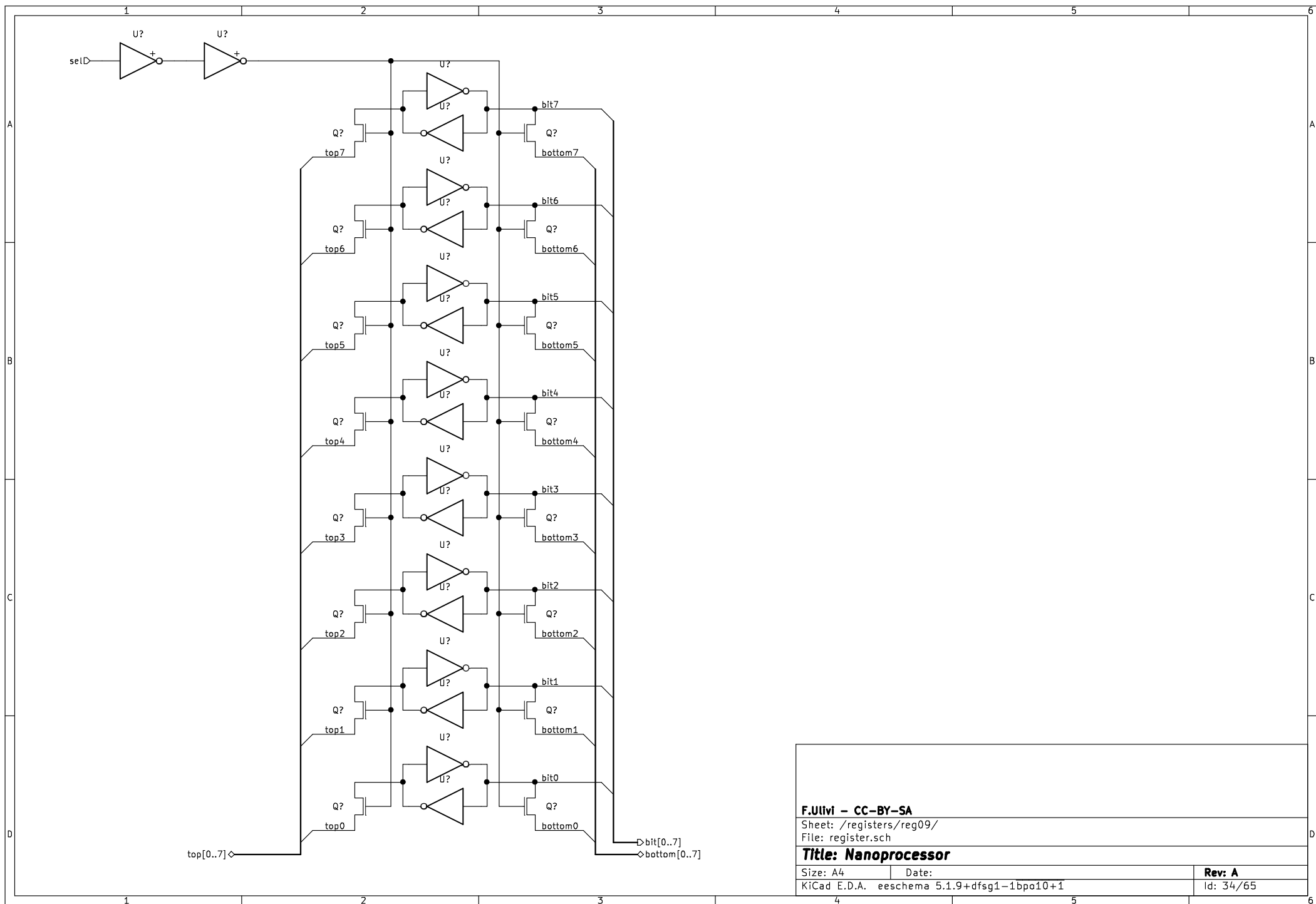
Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 32/65





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Sheet: /registers/reg09/

File: register.sch

Title: Nanoprocessor

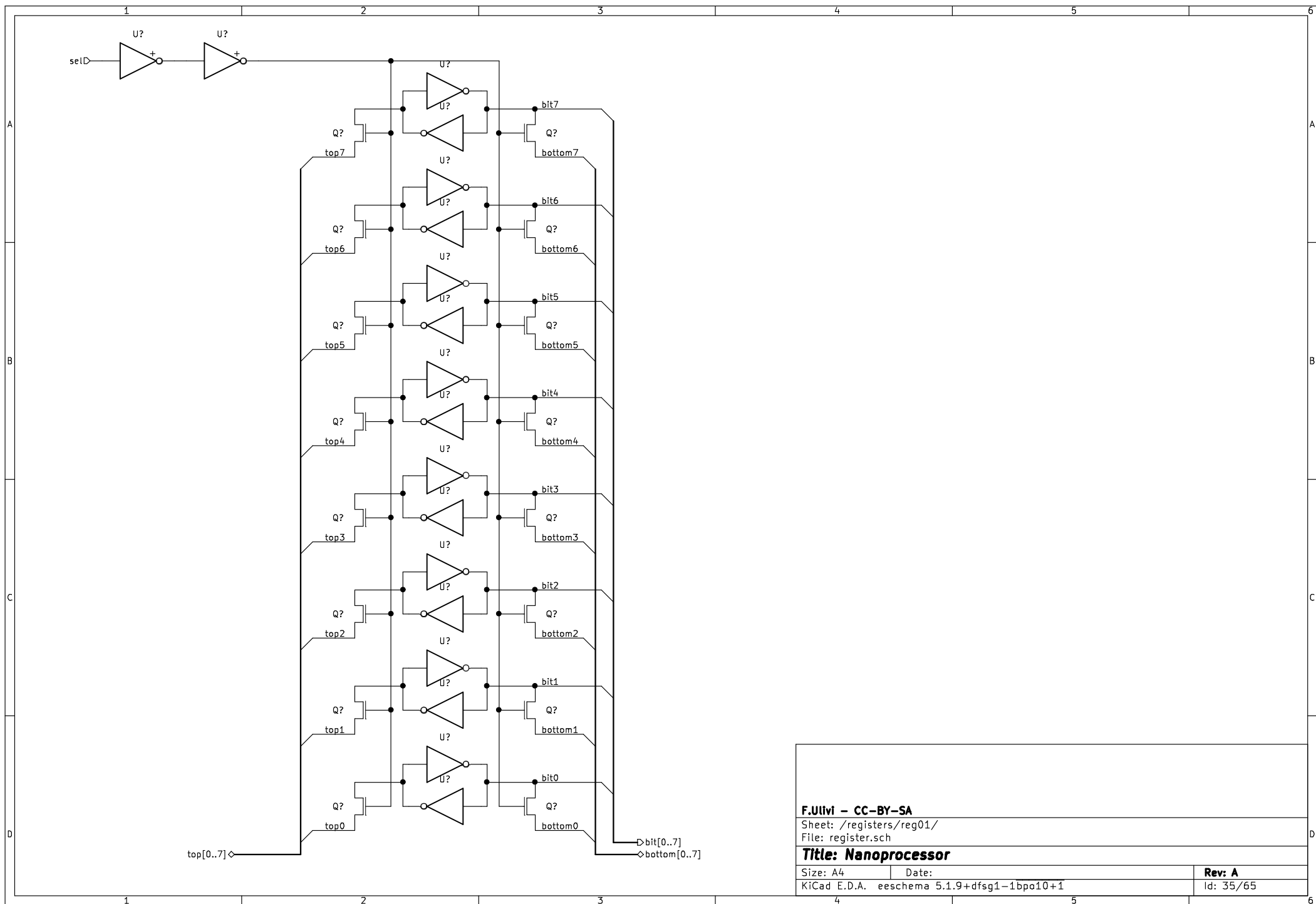
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 34/65



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Sheet: /registers/reg01/

File: register.sch

Title: Nanoprocessor

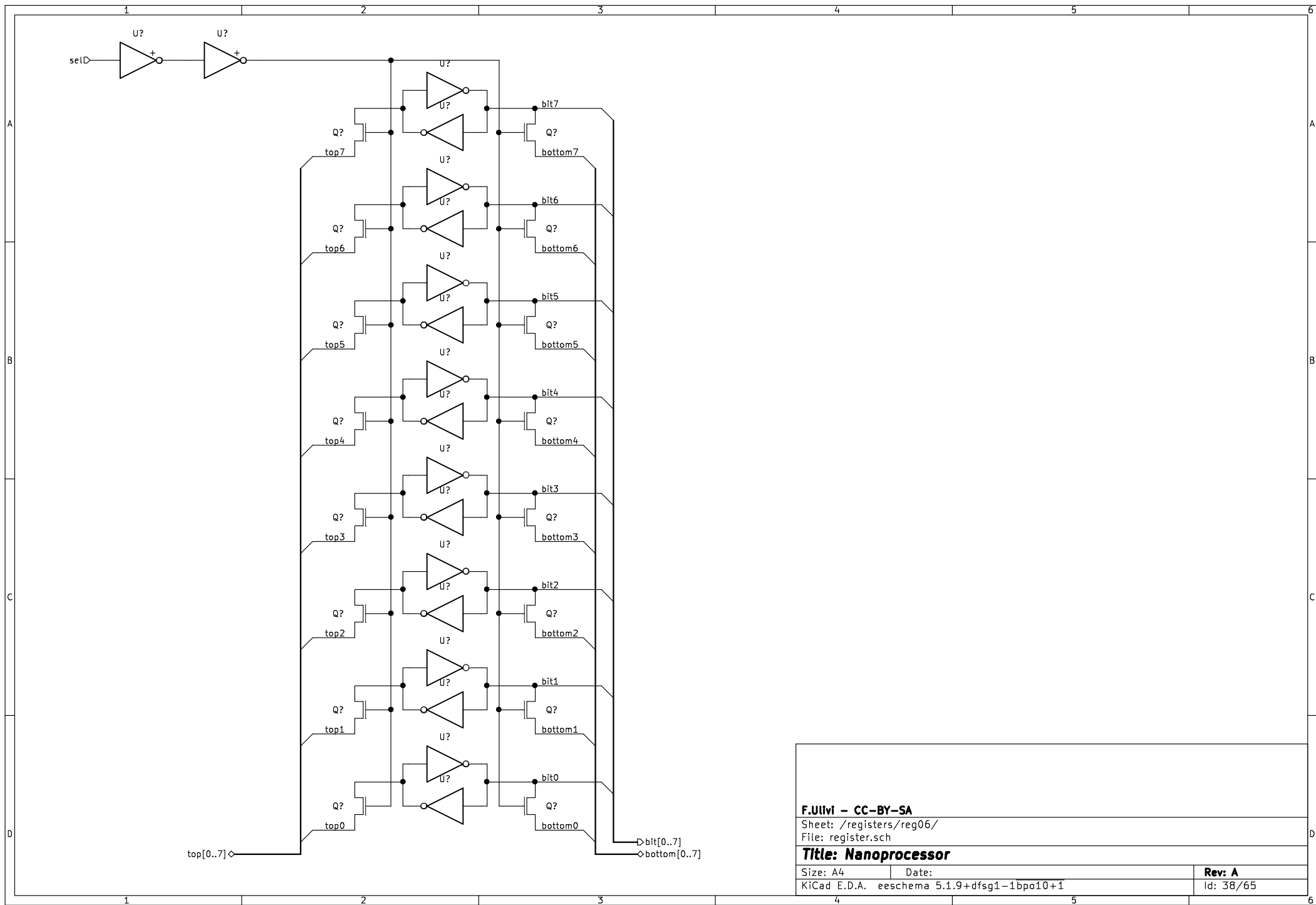
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 35/65



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Sheet: /registers/reg06/

File: register.sch

Title: Nanoprocessor

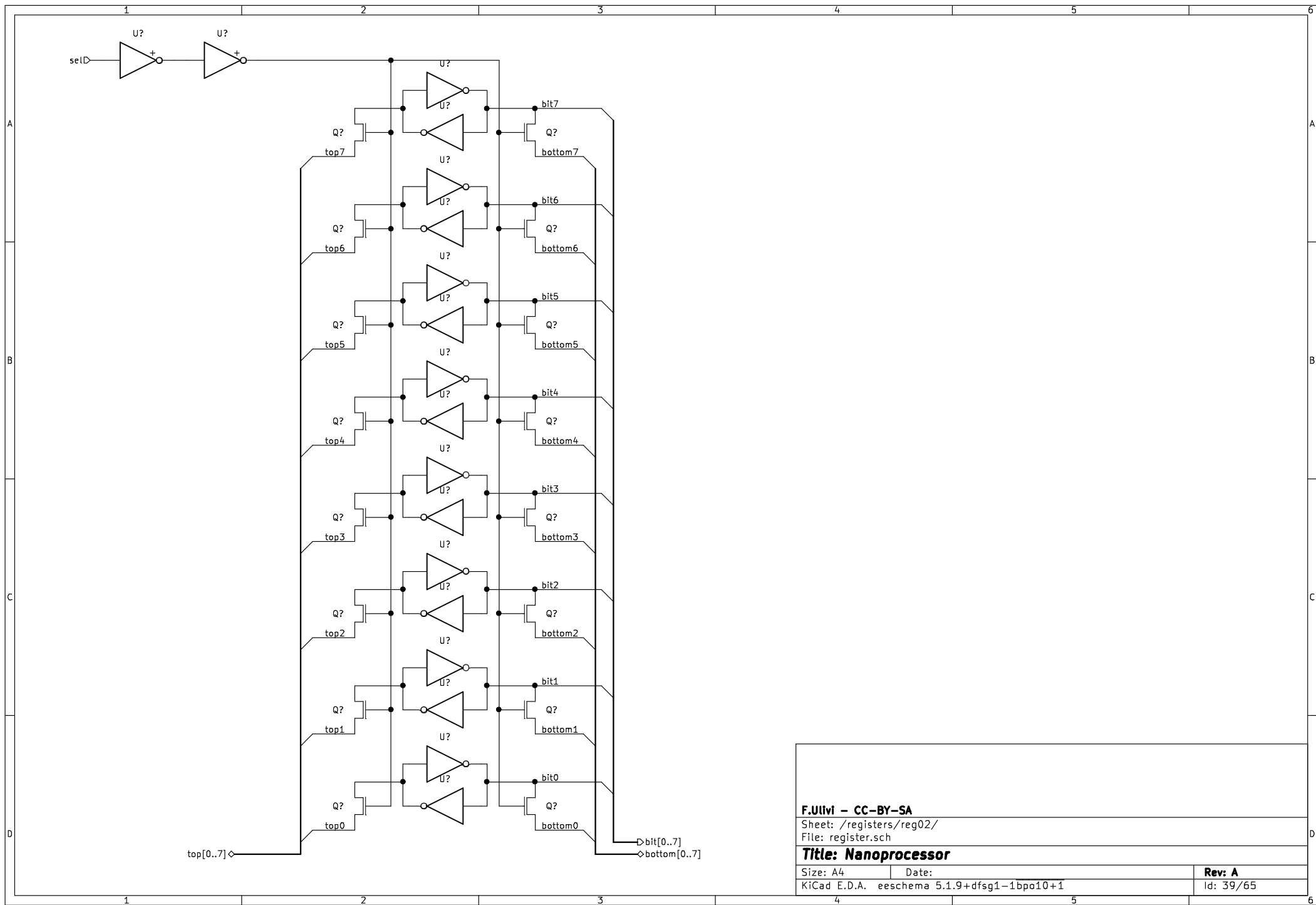
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 38/65



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Sheet: /registers/reg02/

File: register.sch

Title: Nanoprocessor

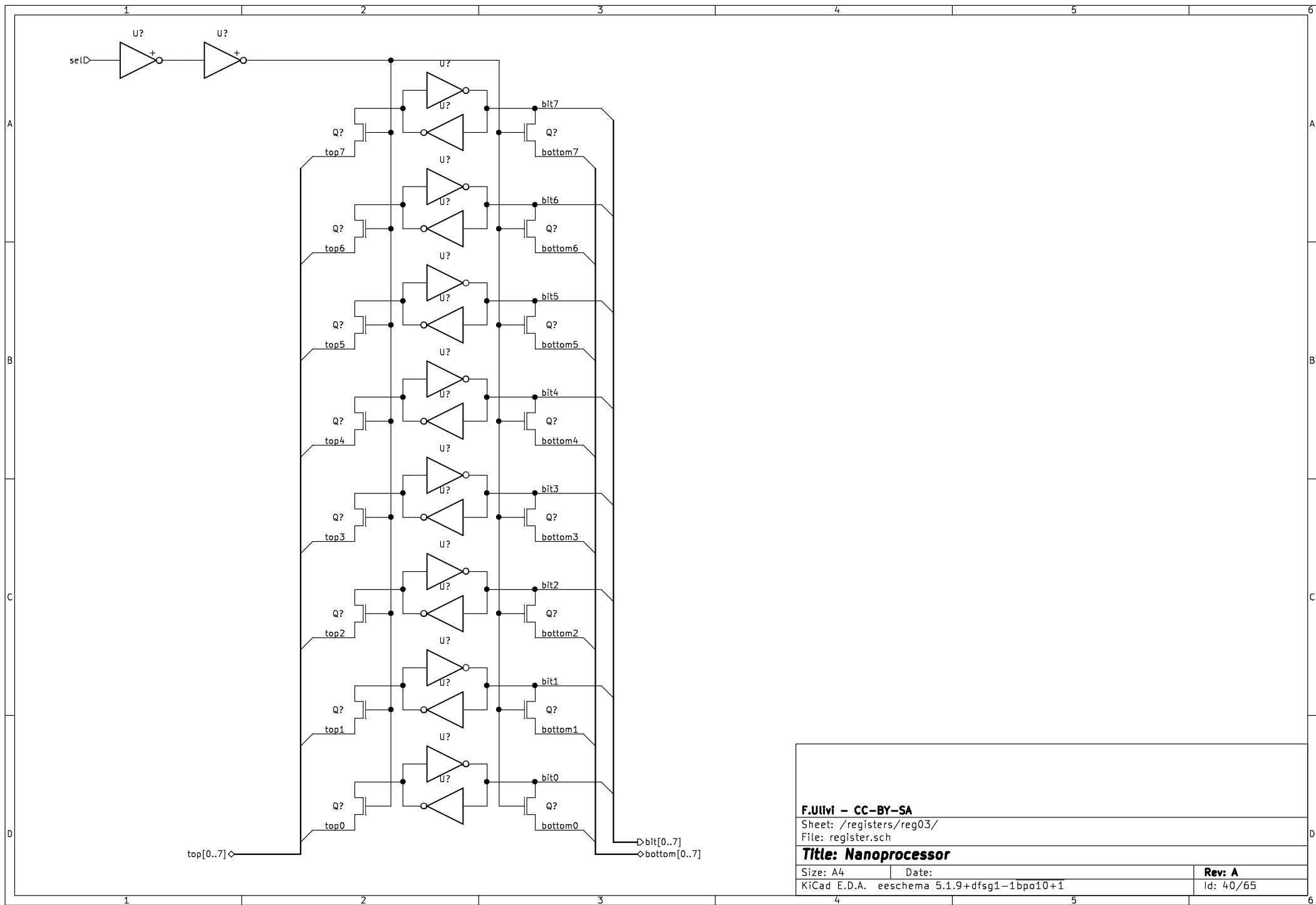
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 39/65



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Sheet: /registers/reg03/

File: register.sch

Title: Nanoprocessor

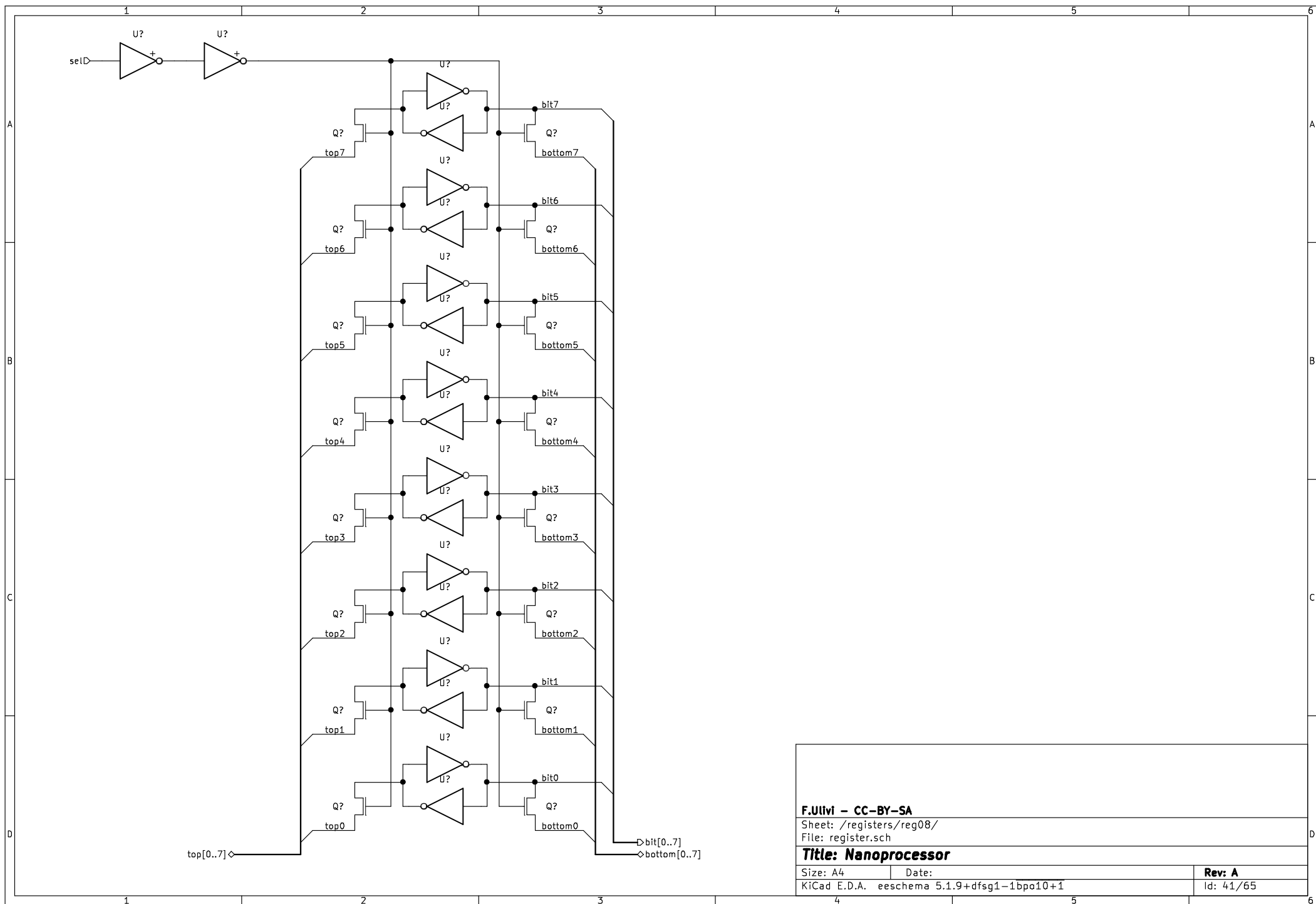
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 40/65



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Sheet: /registers/reg08/

File: register.sch

Title: Nanoprocessor

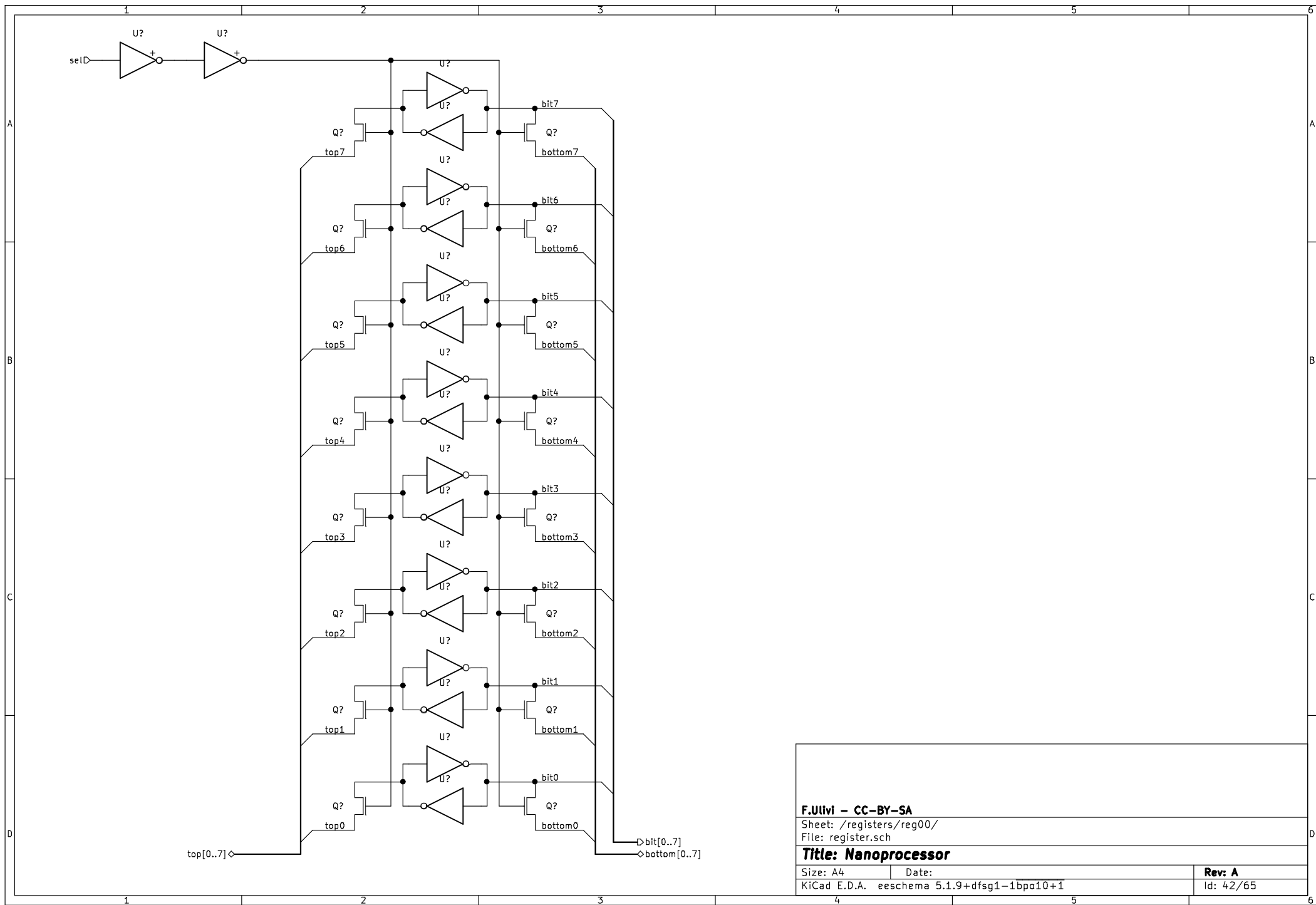
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 41/65



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Sheet: /registers/reg00/

File: register.sch

Title: Nanoprocessor

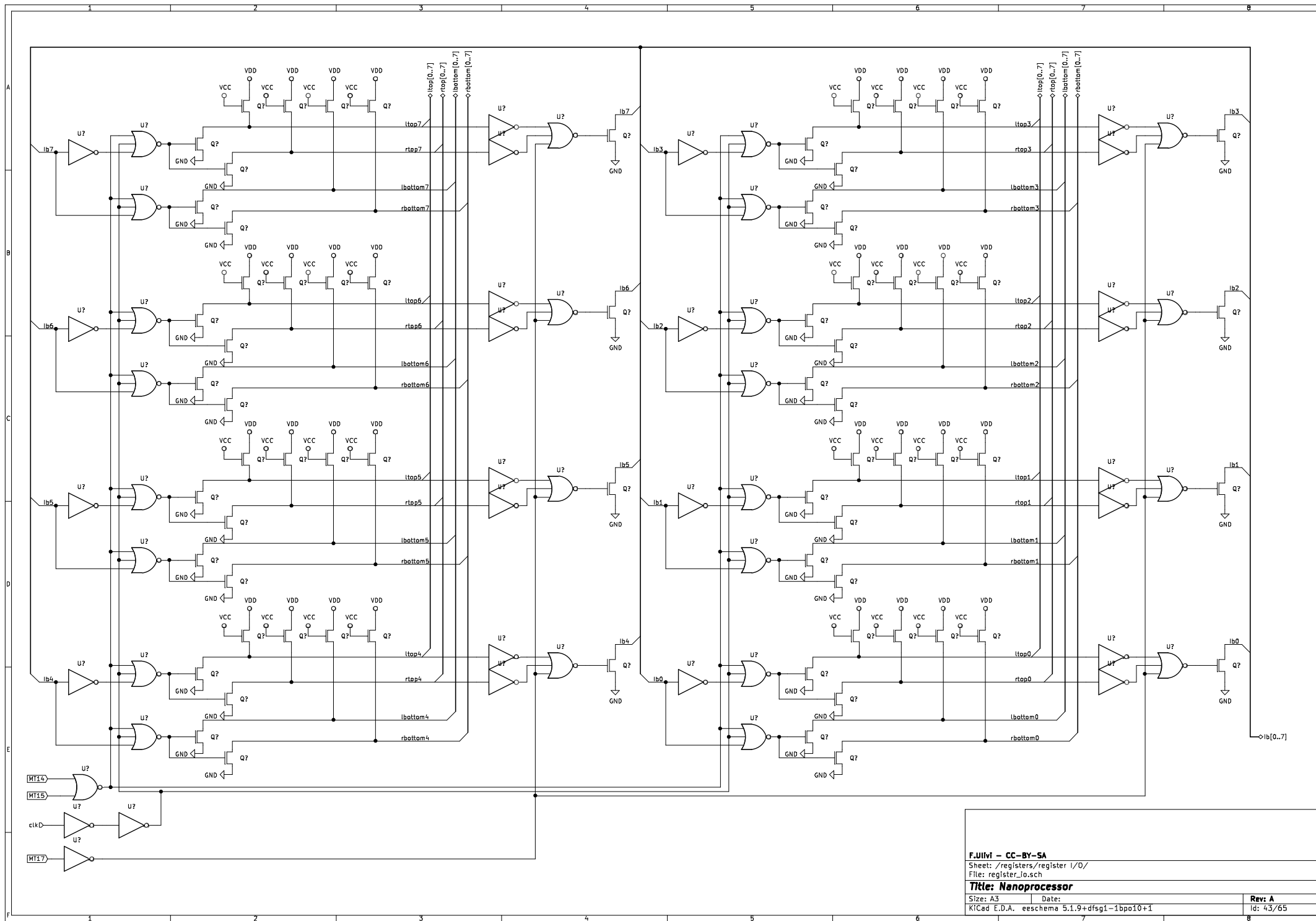
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 42/65



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Sheet: /registers/register I/O/

File: register_io.sch

Title: Nanoprocessor

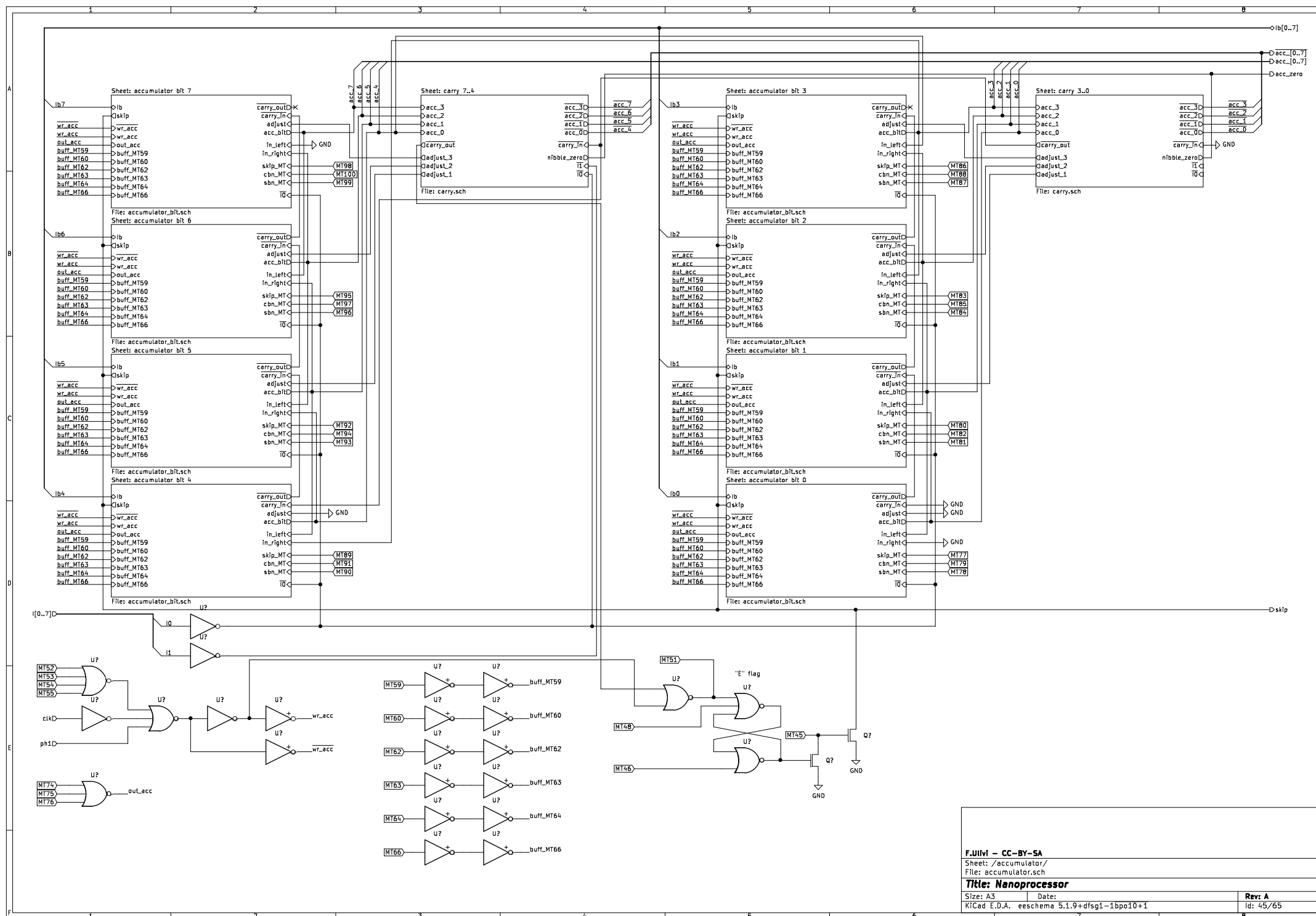
Size: A3

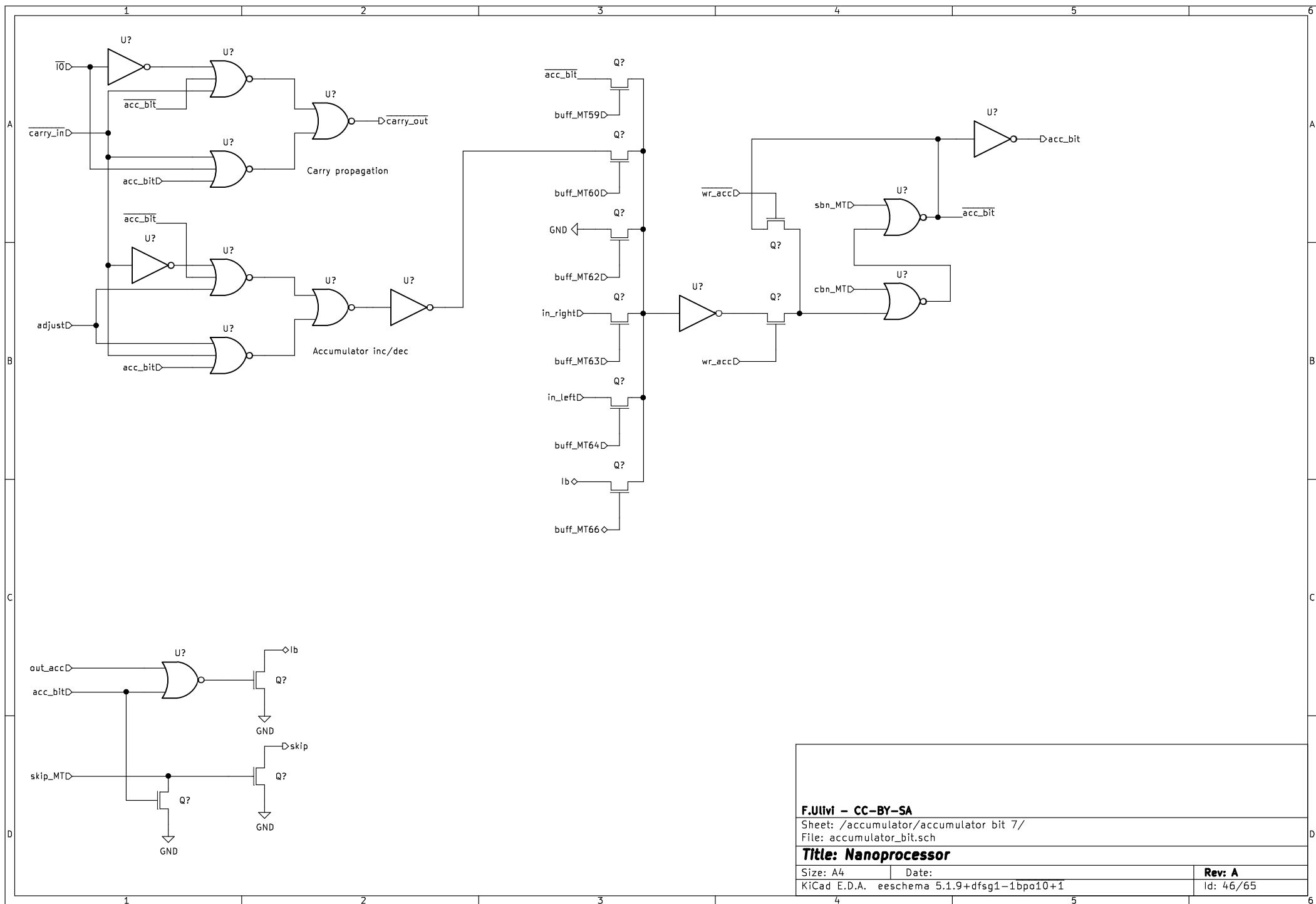
Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 43/65





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Sheet: /accumulator/accumulator bit 7/

File: accumulator_bit.sch

Title: Nanoprocessor

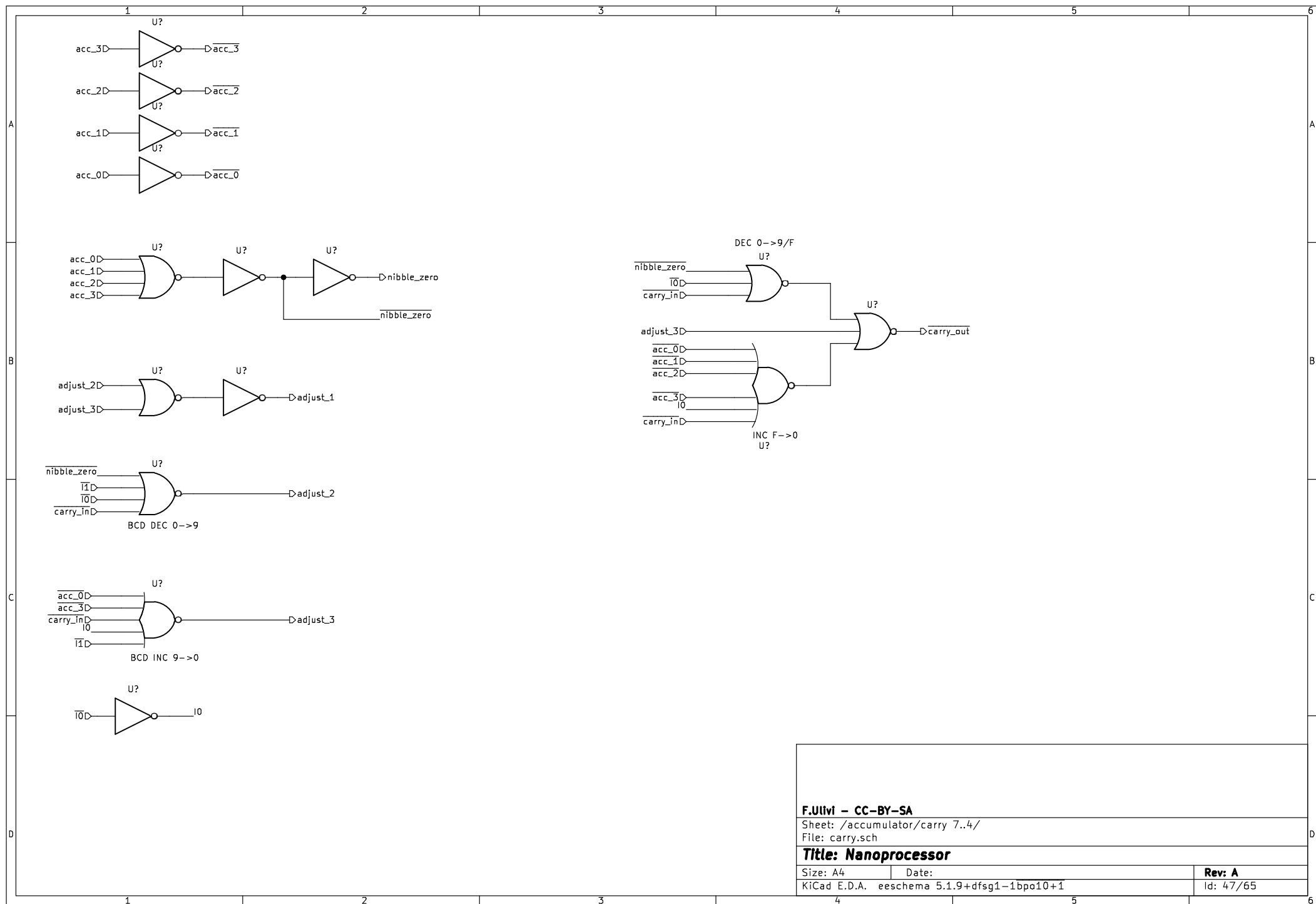
Size: A4

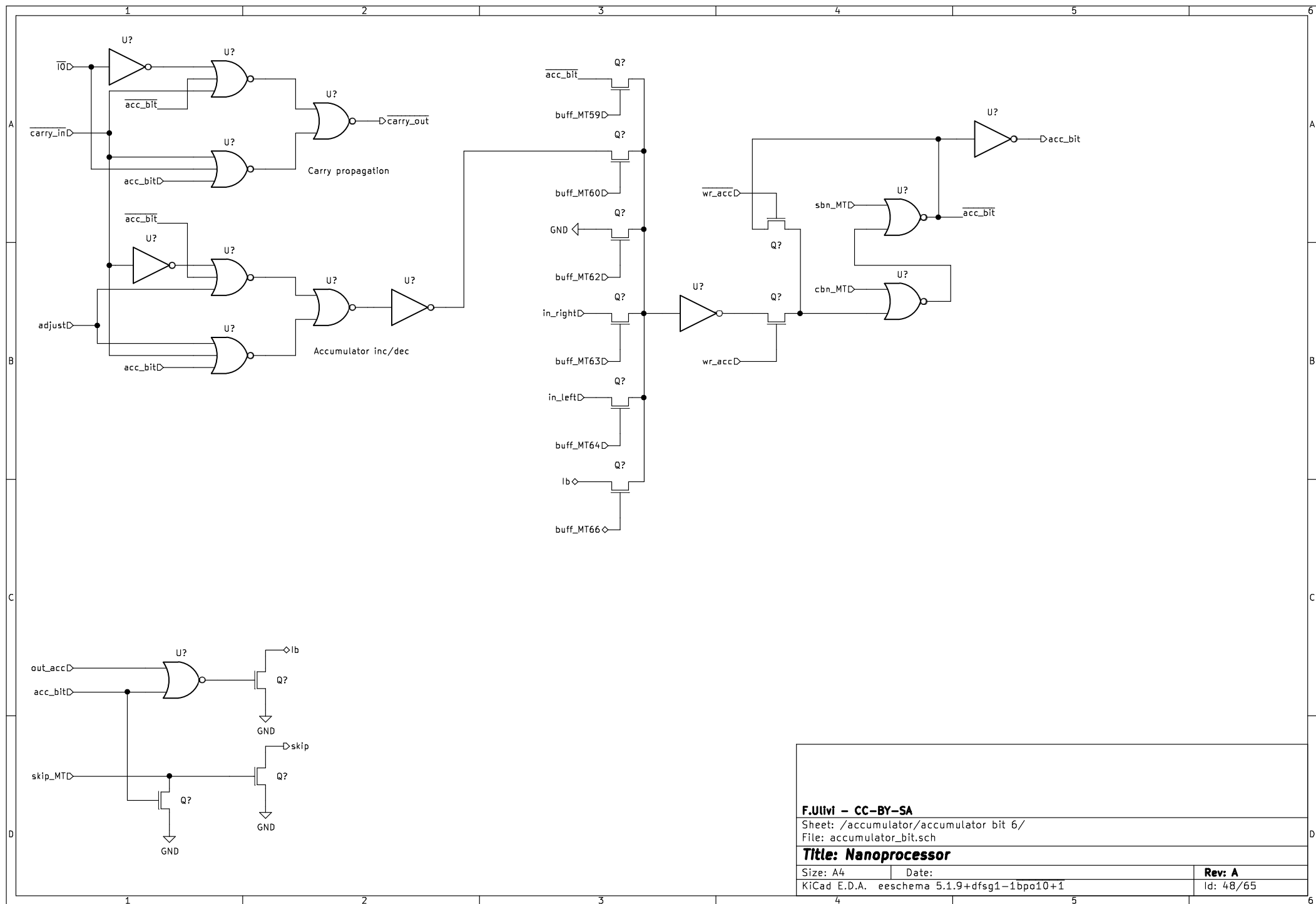
Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 46/65





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Sheet: /accumulator/accumulator bit 6/

File: accumulator_bit.sch

Title: Nanoprocessor

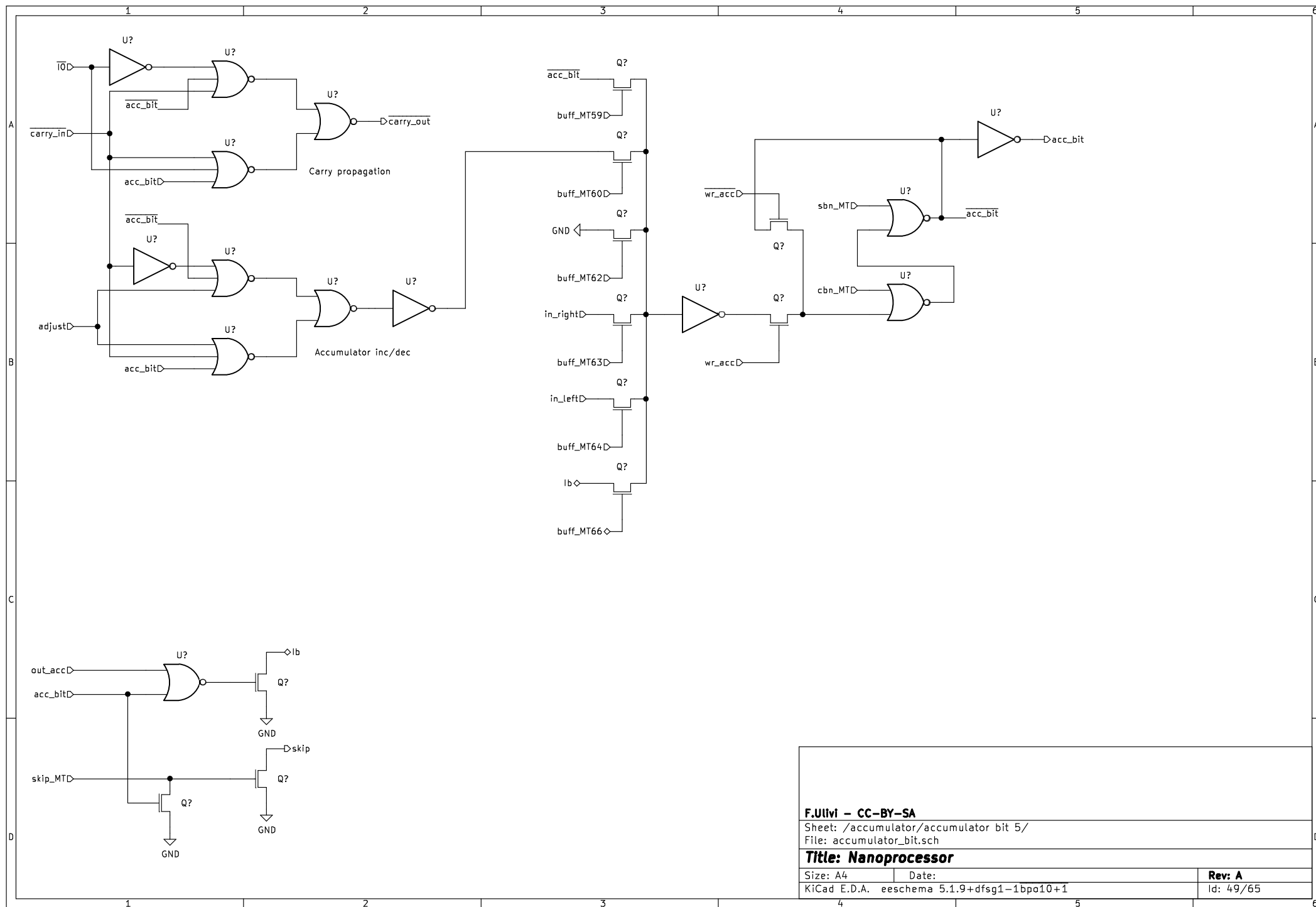
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 48/65



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Sheet: /accumulator/accumulator bit 5/

File: accumulator_bit.sch

Title: Nanoprocessor

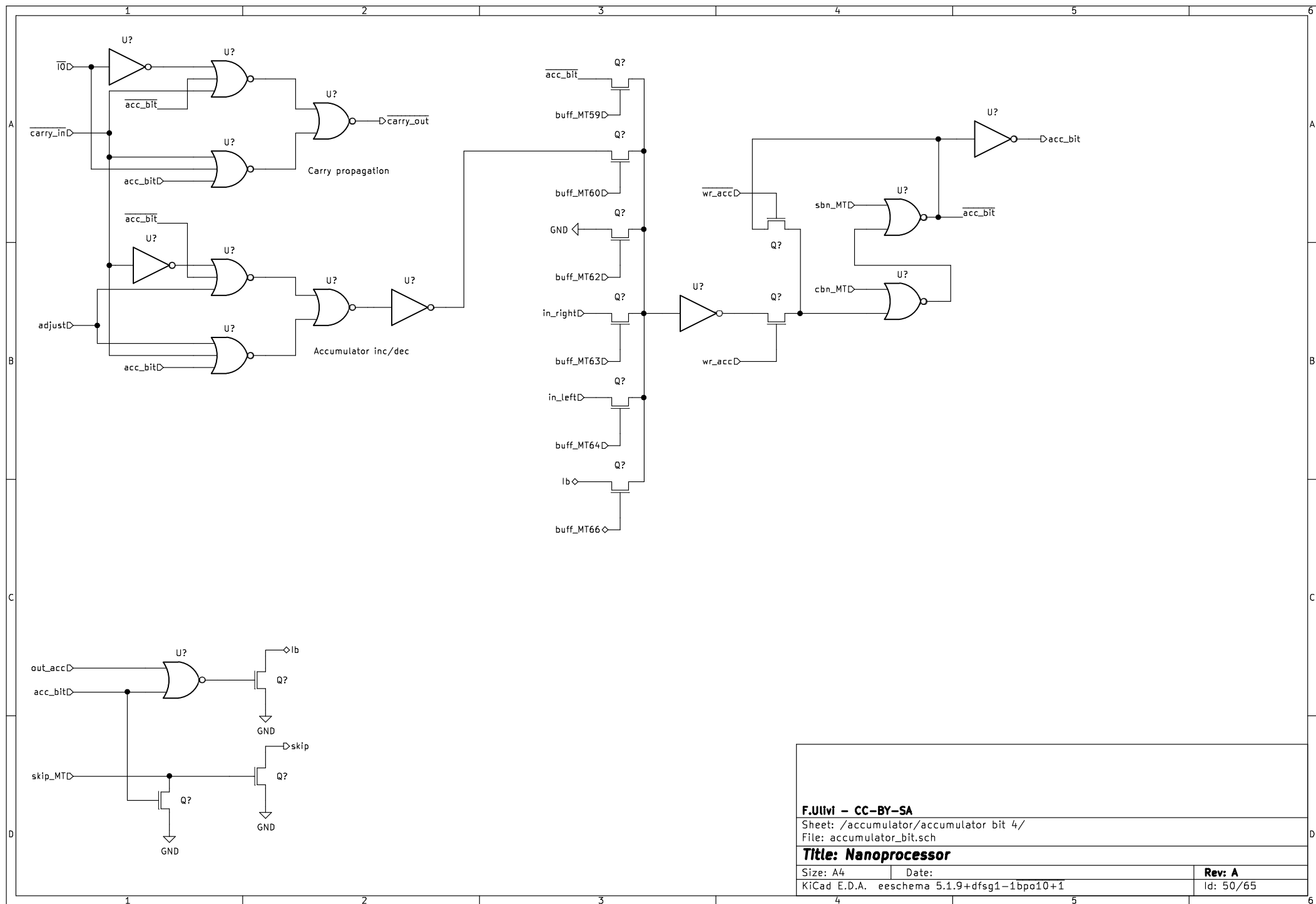
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 49/65



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Sheet: /accumulator/accumulator bit 4/

File: accumulator_bit.sch

Title: Nanoprocessor

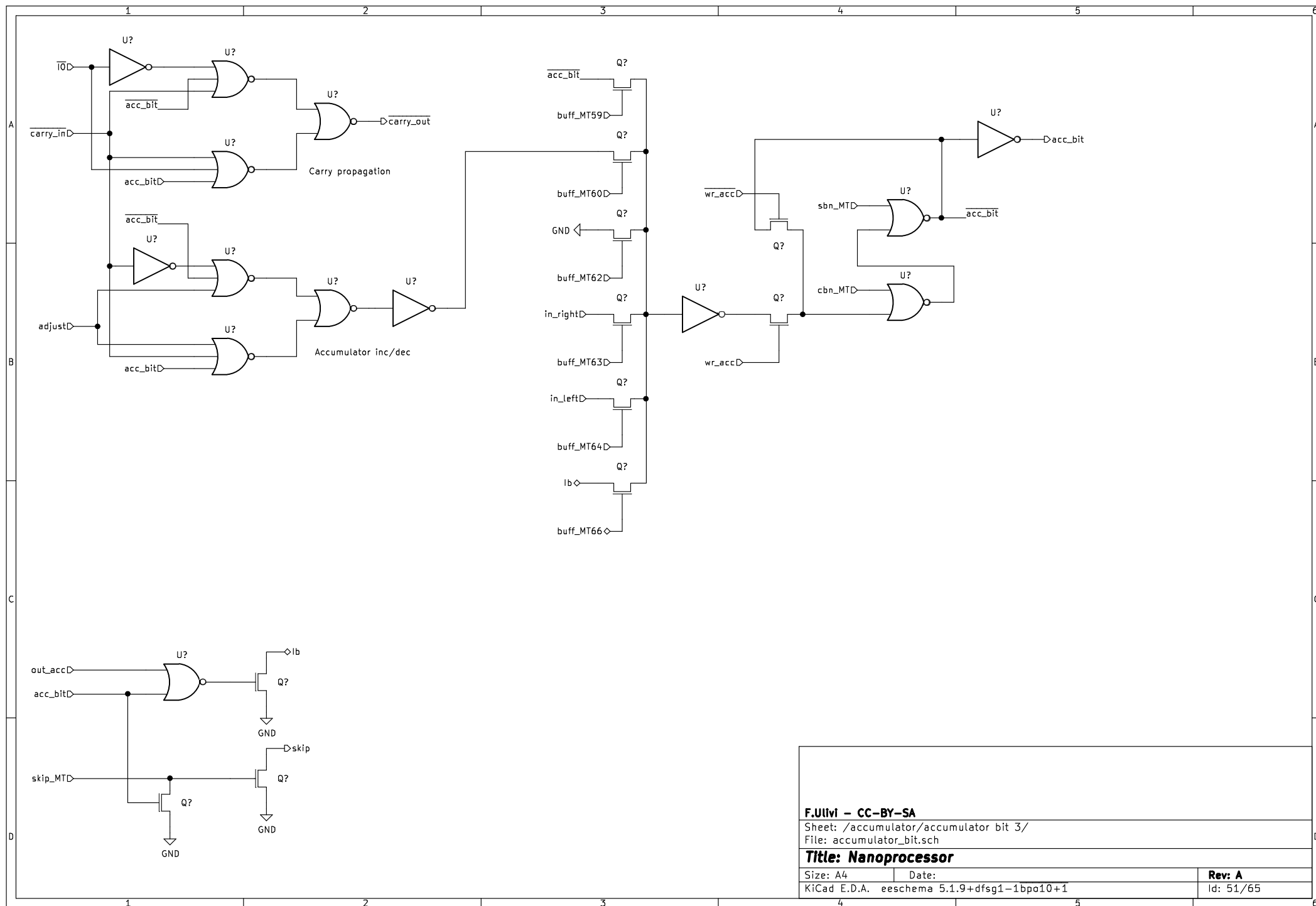
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 50/65



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Sheet: /accumulator/accumulator bit 3/

File: accumulator_bit.sch

Title: Nanoprocessor

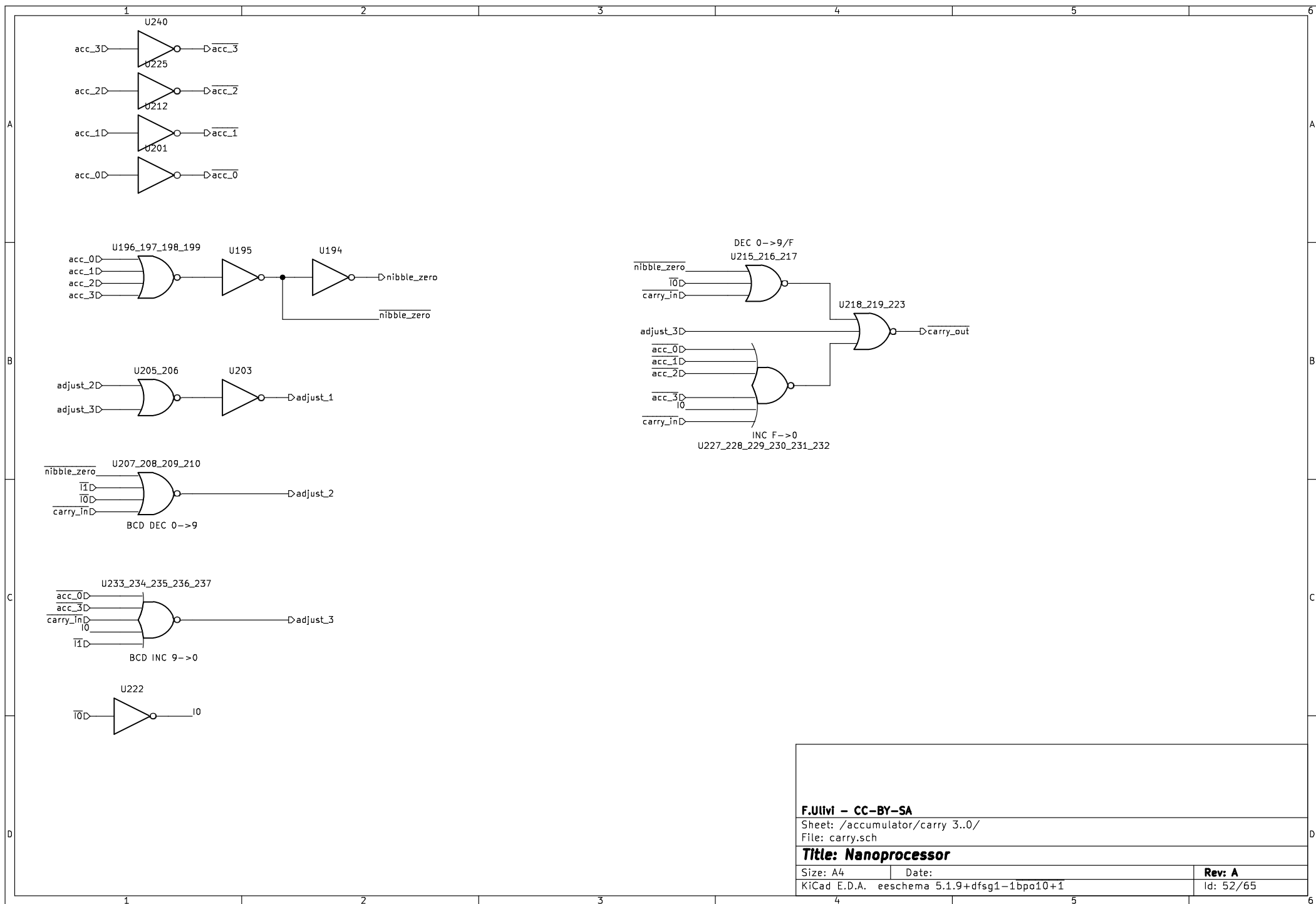
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 51/65



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Sheet: /accumulator/carry 3.0/

File: carry.sch

Title: Nanoprocessor

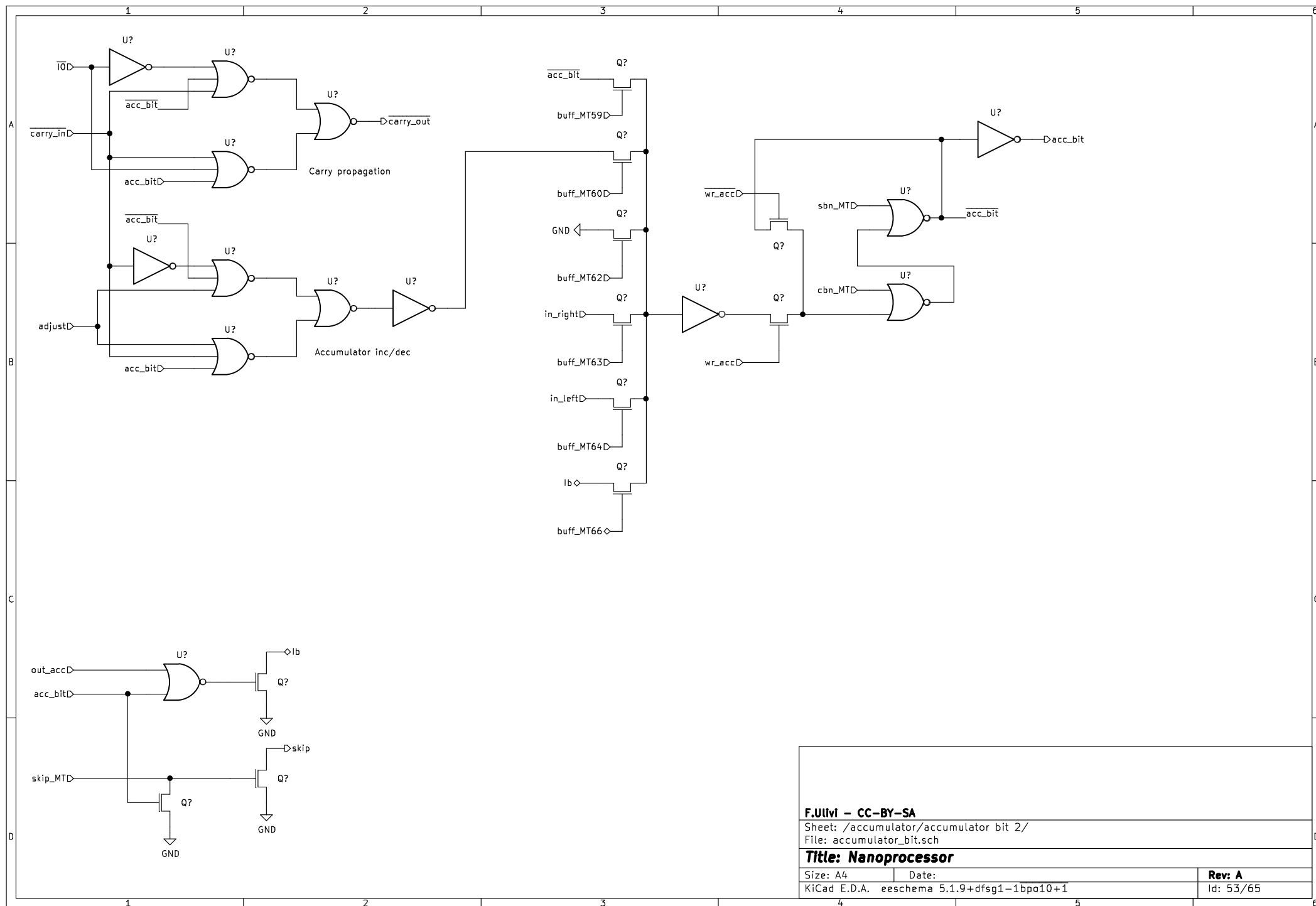
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 52/65



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Sheet: /accumulator/accumulator bit 2/

File: accumulator_bit.sch

Title: Nanoprocessor

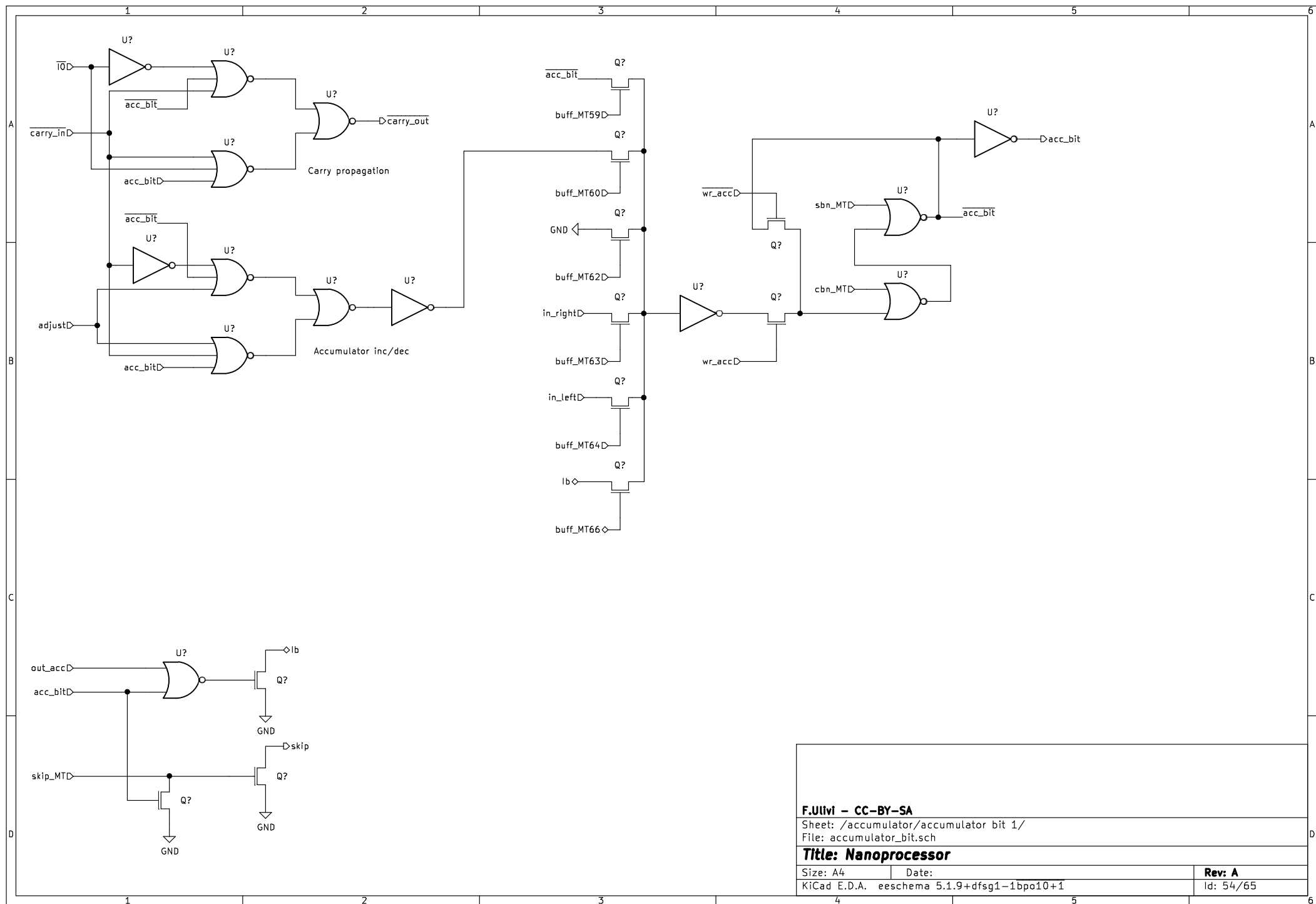
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 53/65



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Sheet: /accumulator/accumulator bit 1/

File: accumulator_bit.sch

Title: Nanoprocessor

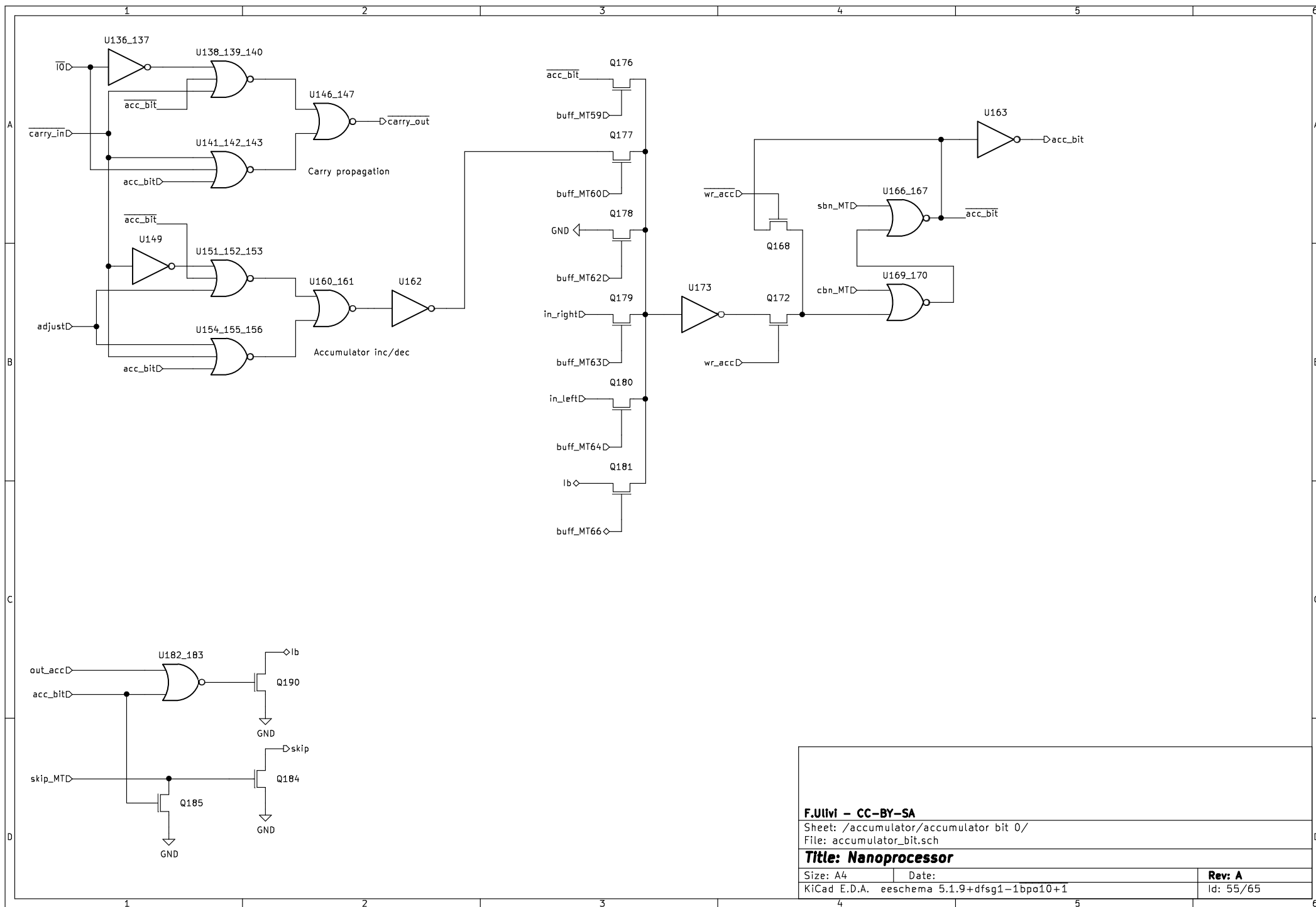
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 54/65



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Sheet: /accumulator/accumulator bit 0/

File: accumulator_bit.sch

Title: Nanoprocessor

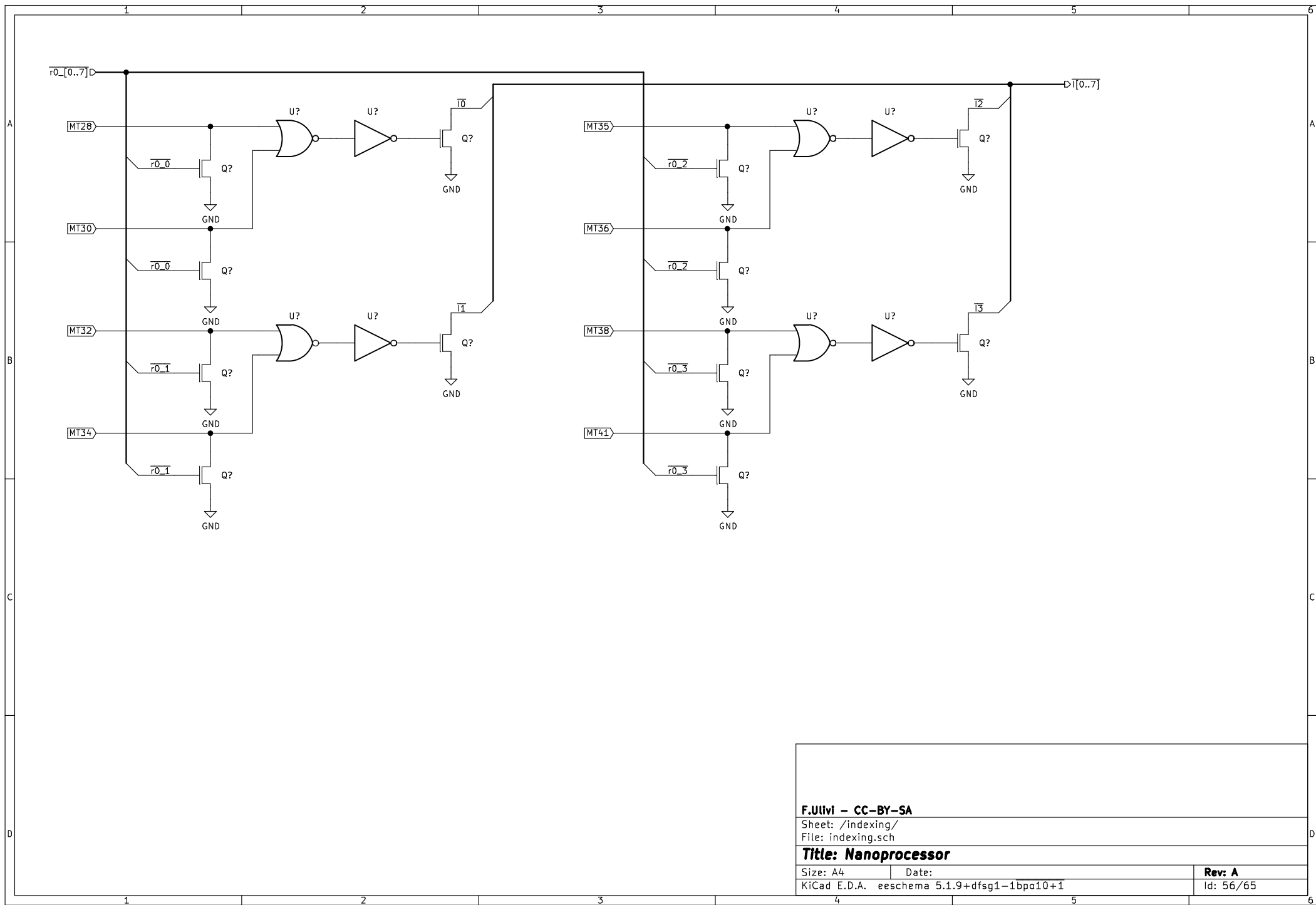
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 55/65



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Sheet: /indexing/

File: indexing.sch

Title: Nanoprocessor

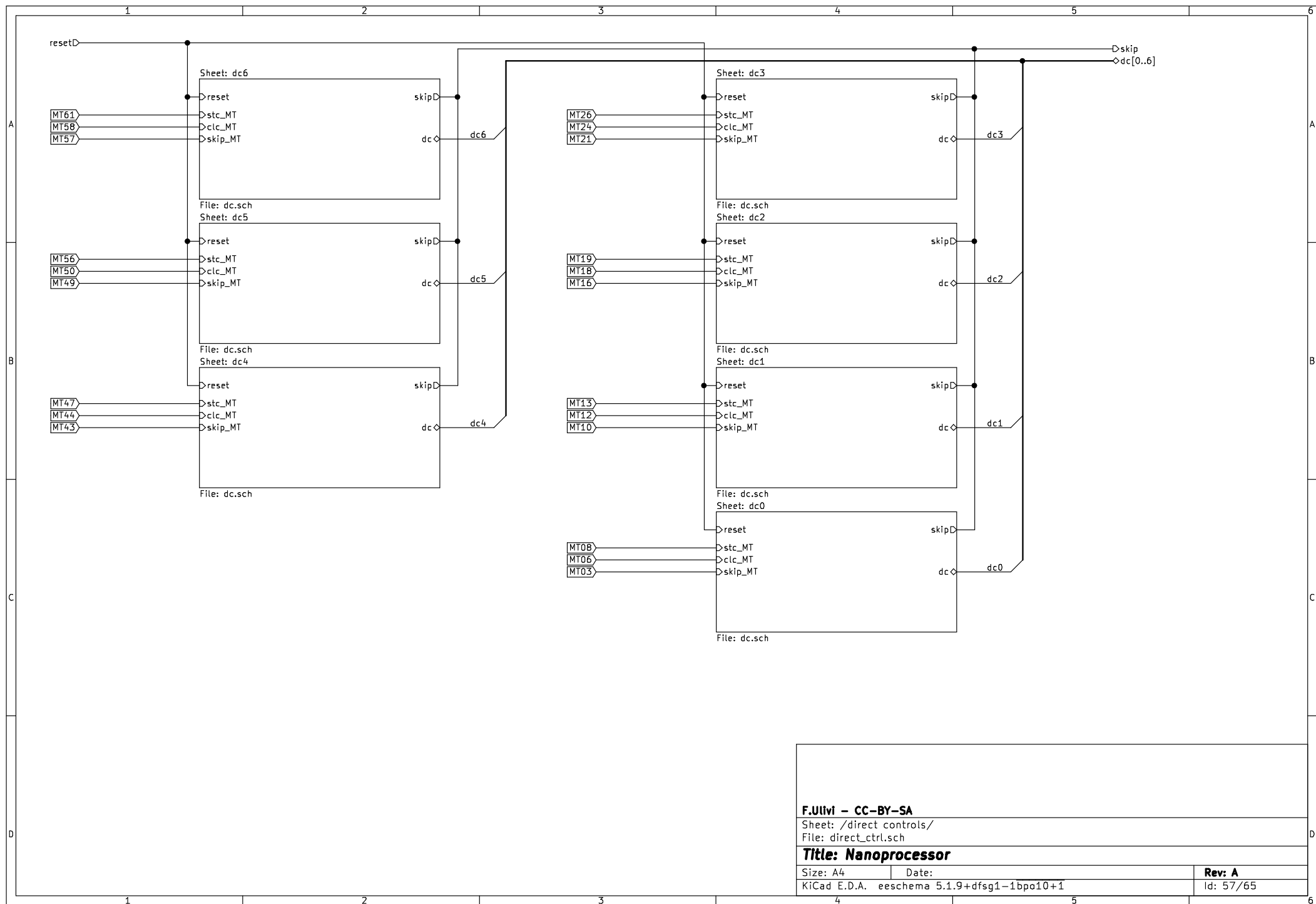
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 56/65



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Sheet: /direct controls/

File: direct_ctrl.sch

Title: Nanoprocessor

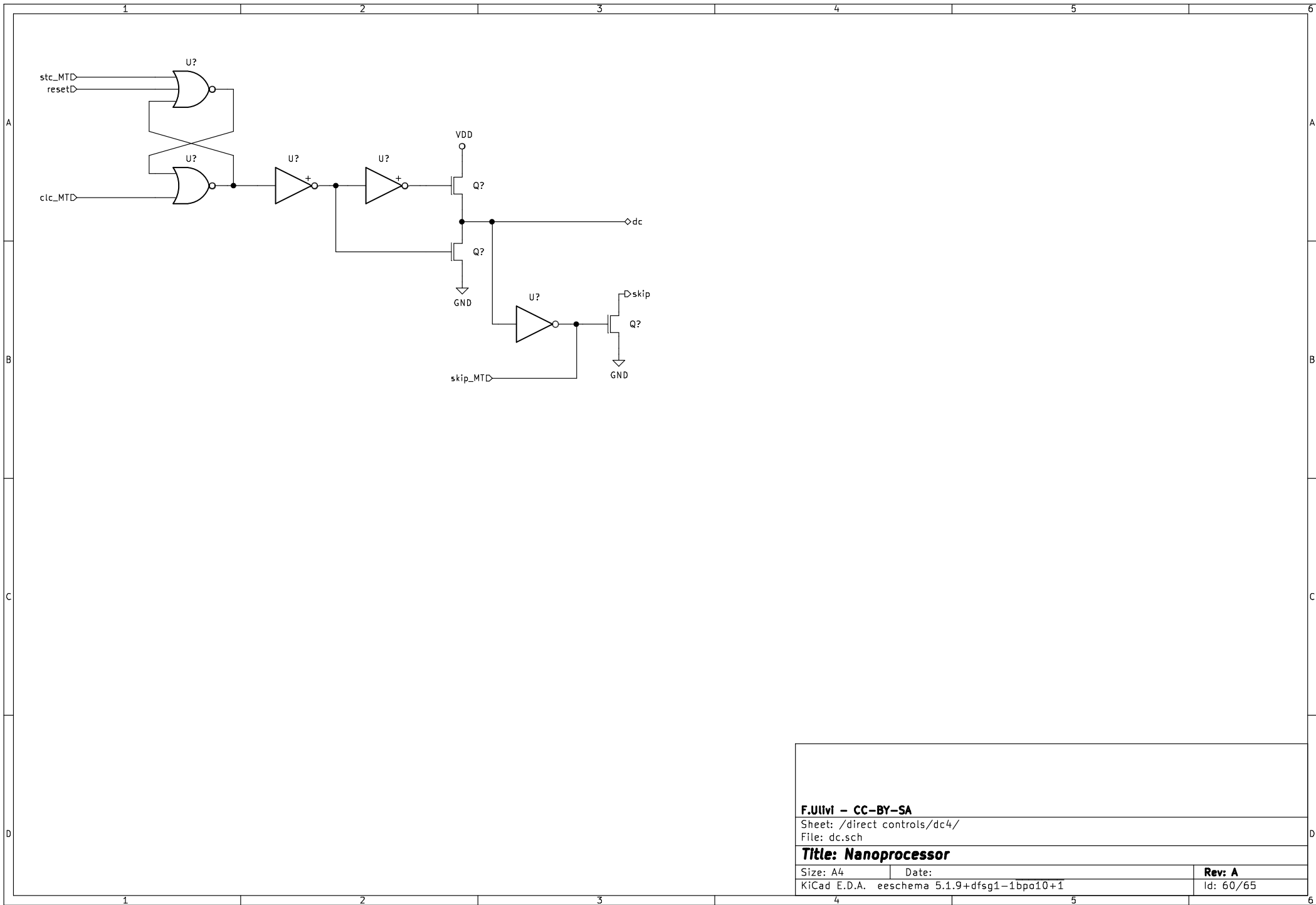
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 57/65



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Sheet: /direct controls/dc4/

File: dc.sch

Title: Nanoprocessor

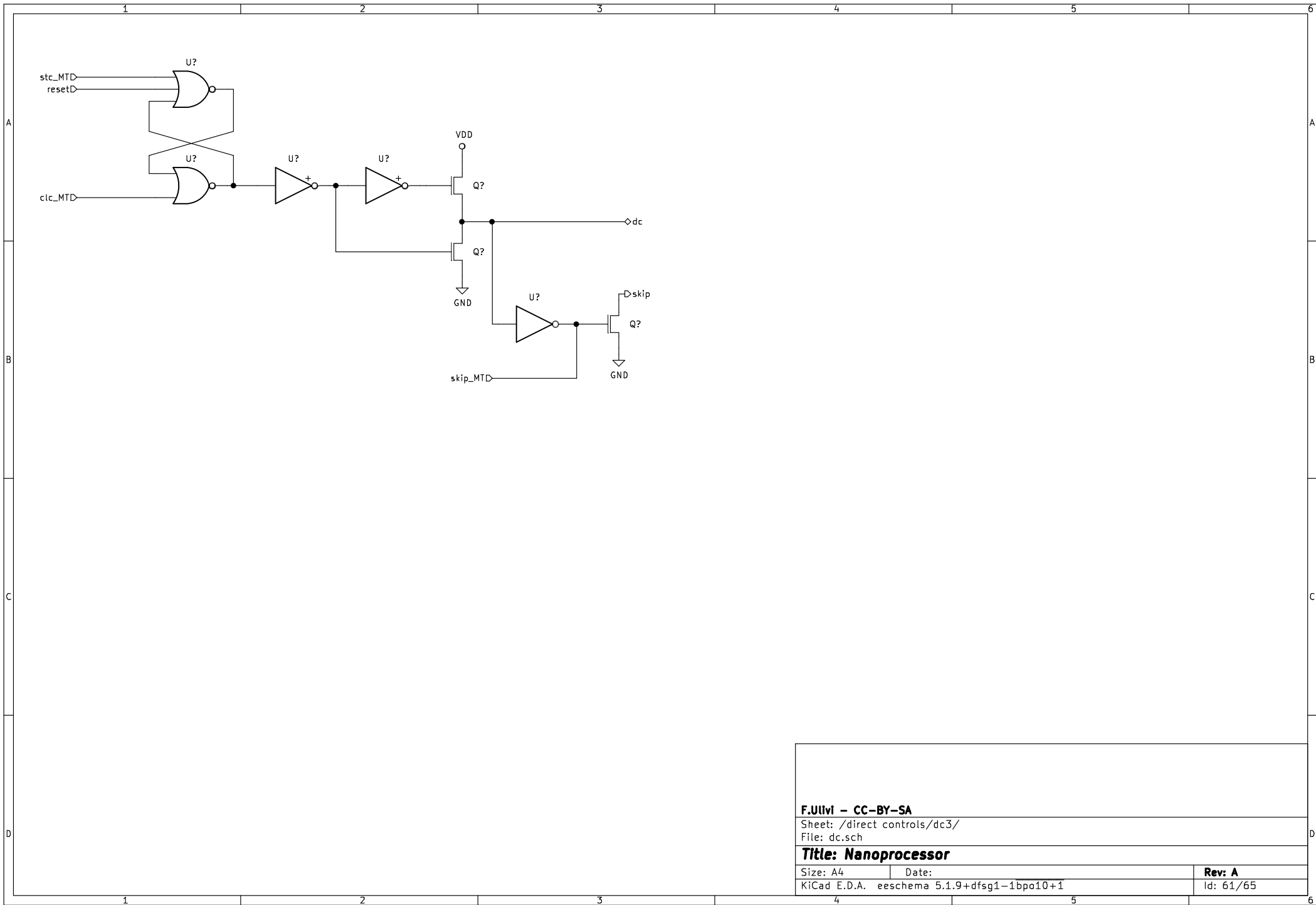
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 60/65



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Sheet: /direct controls/dc3/

File: dc.sch

Title: Nanoprocessor

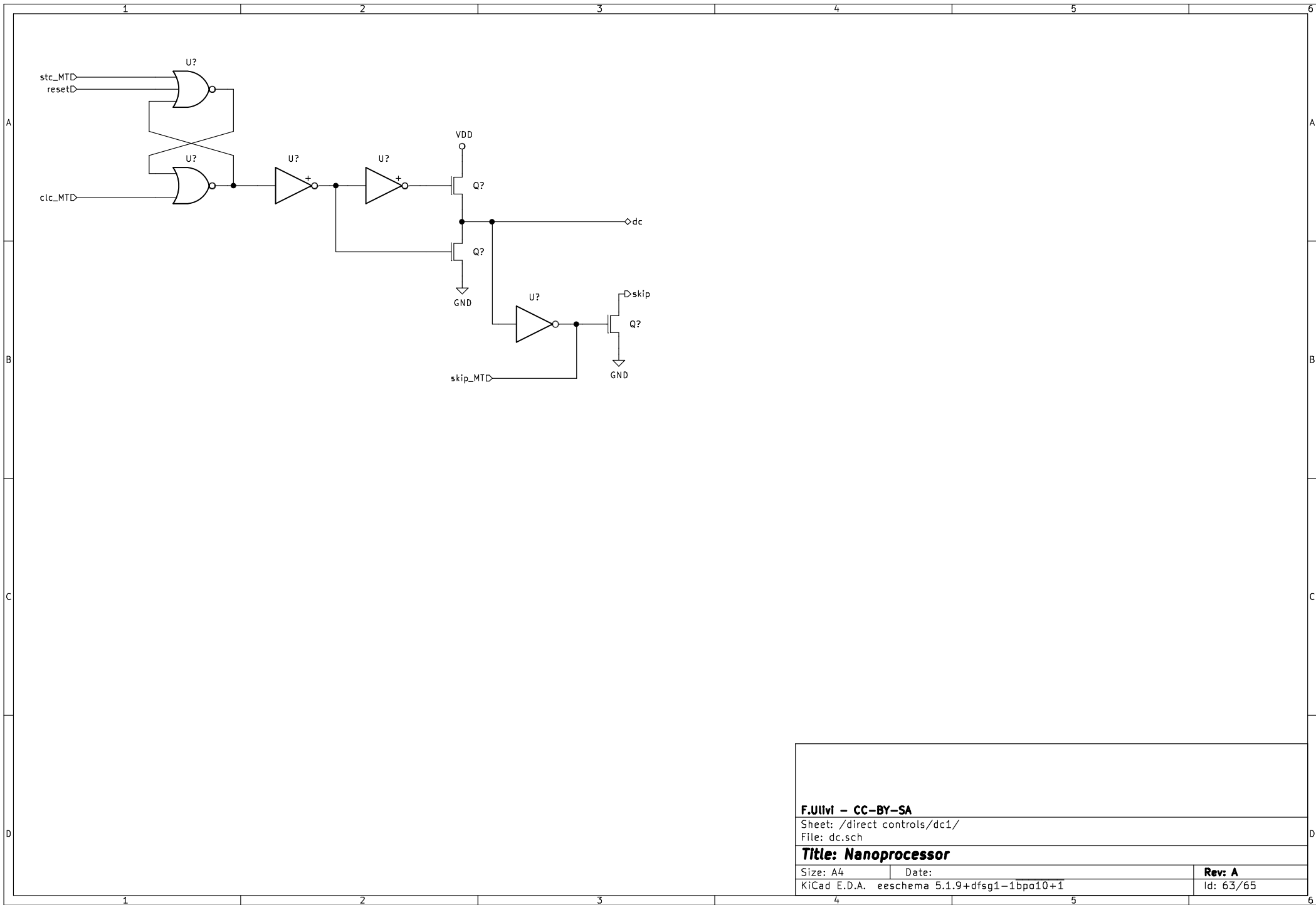
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 61/65



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Sheet: /direct controls/dc1/

File: dc.sch

Title: Nanoprocessor

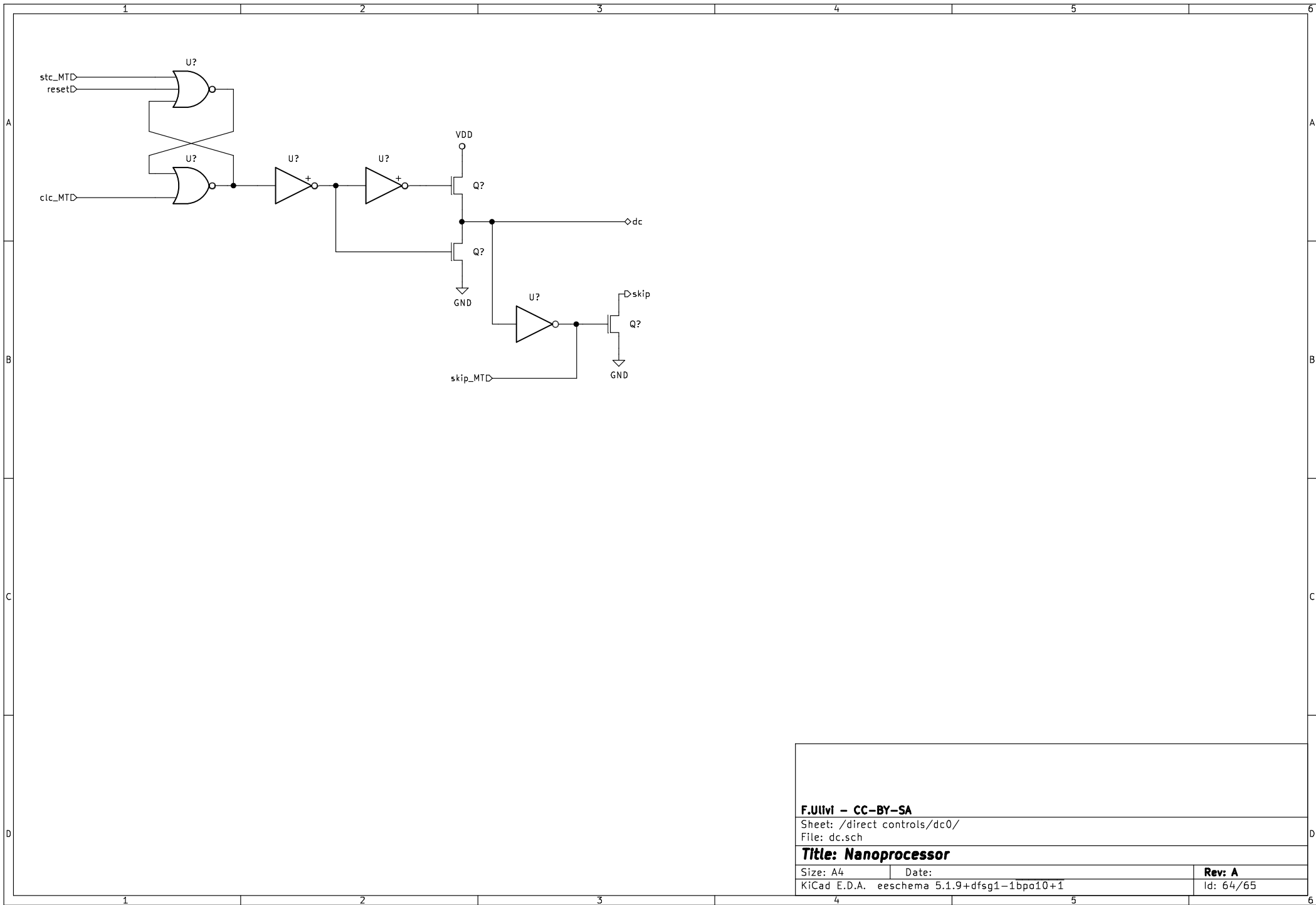
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 63/65



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Sheet: /direct controls/dc0/

File: dc.sch

Title: Nanoprocessor

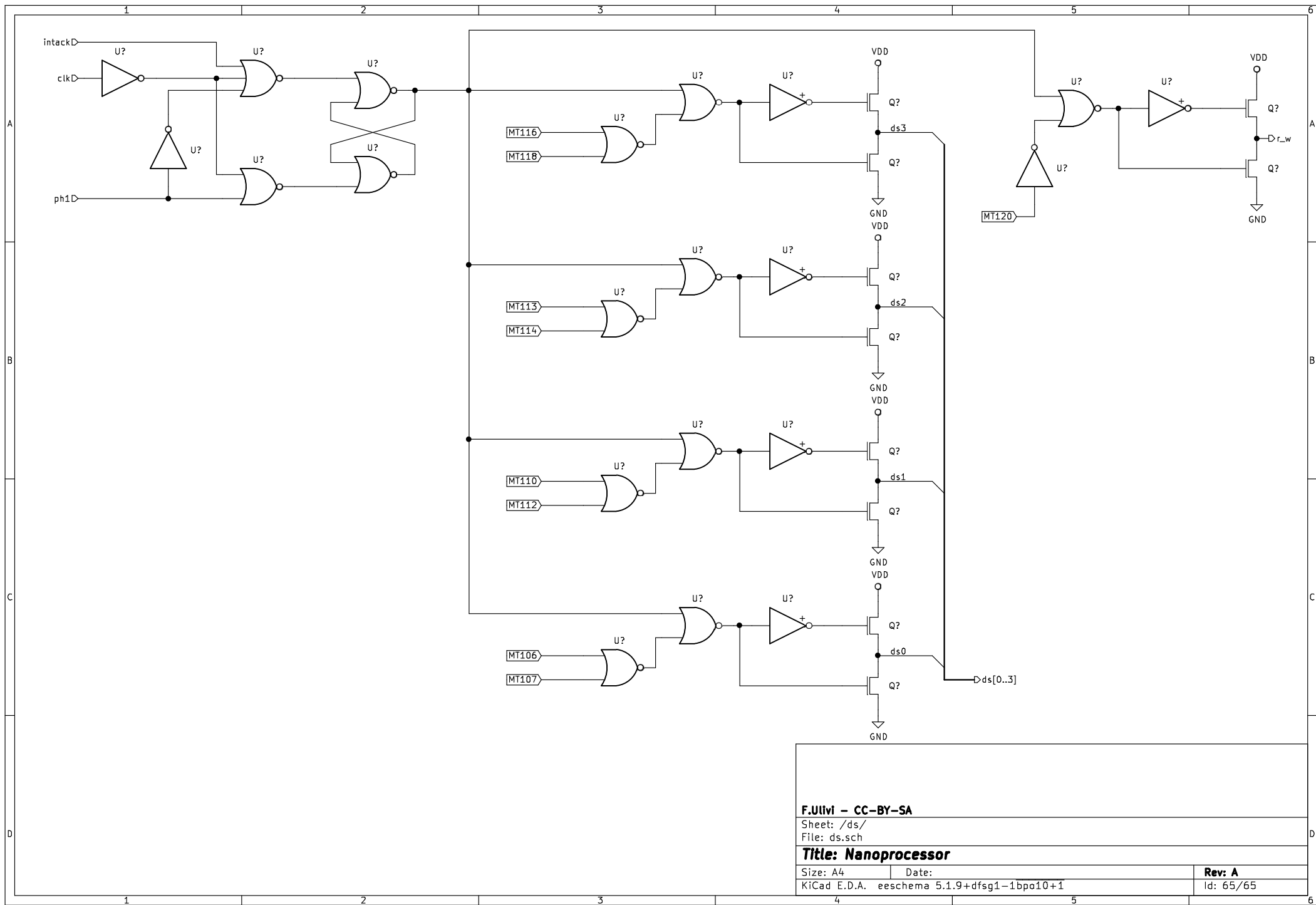
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 64/65



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Sheet: /ds/

File: ds.sch

Title: Nanoprocessor

Size: A4

Date:

KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1

Rev: A

Id: 65/65