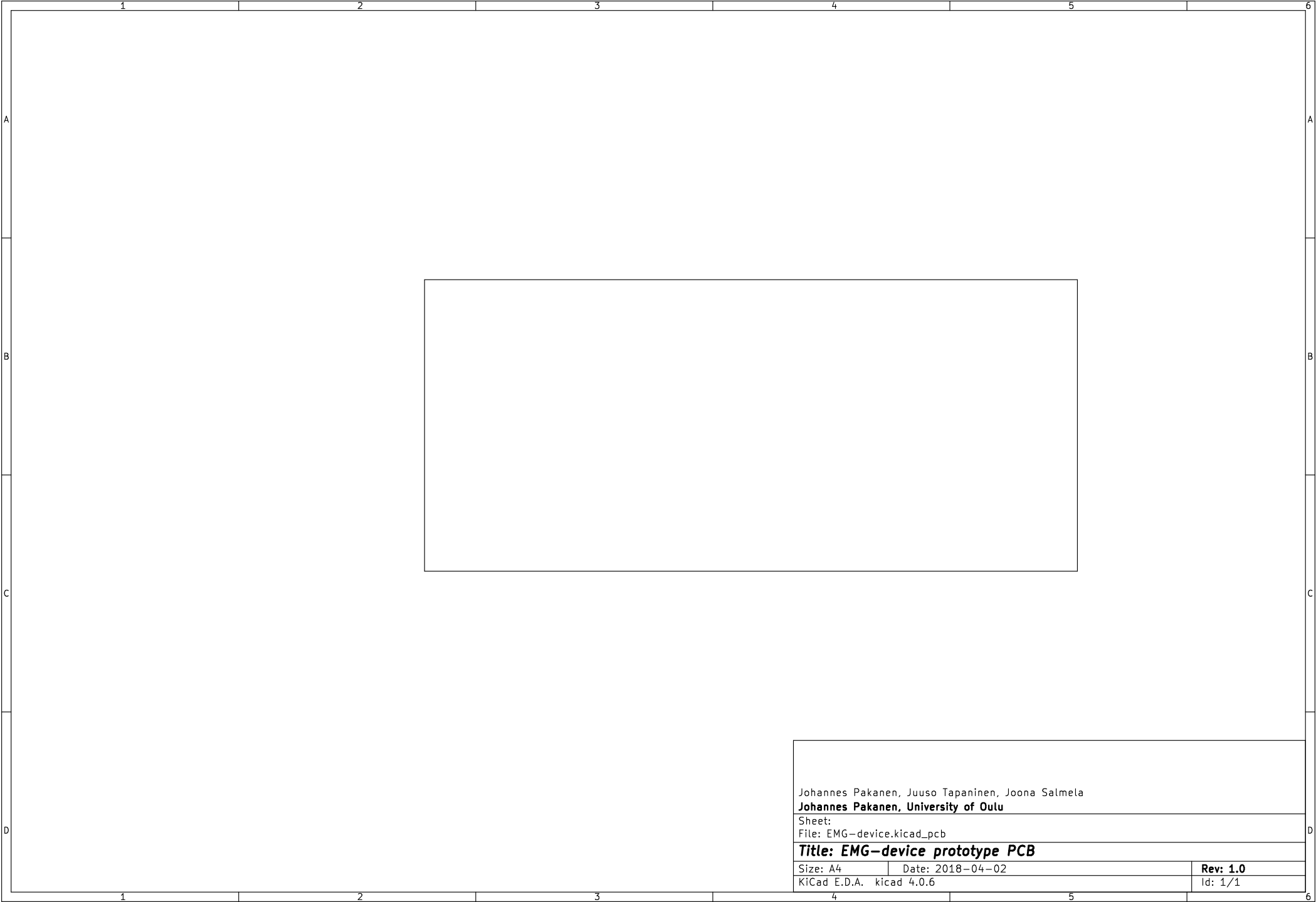Johannes Pakanen, Juuso Tapaninen, Joona Salmela
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File: EMG–device.kicad_pcb

Title: *EMG–device prototype PCB*

Size: A4	Date: 2018–04–02	**Rev: 1.0**
KiCad E.D.A. kicad 4.0.6		Id: 1/1

Johannes Pakanen, Juuso Tapaninen, Joona Salmela
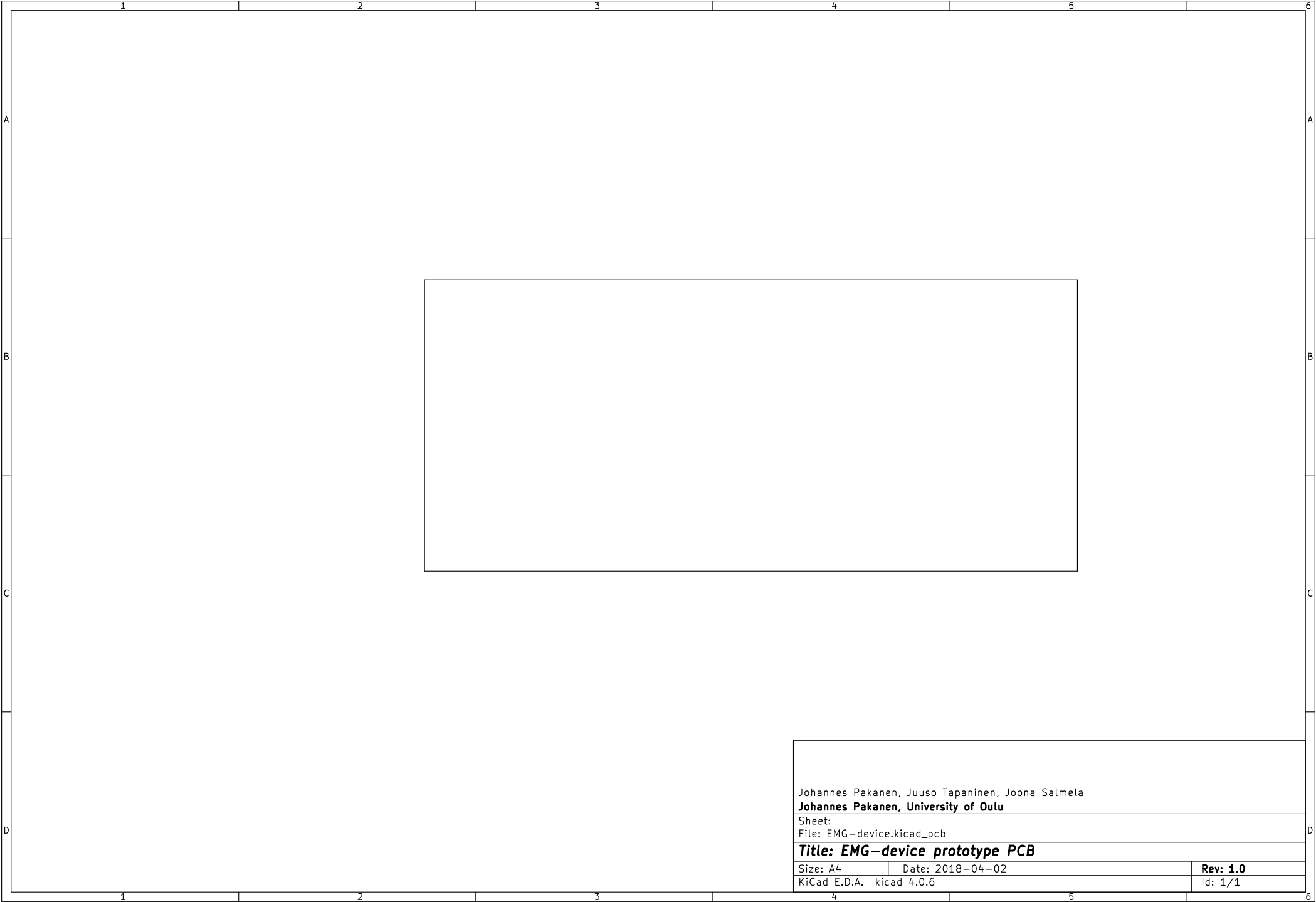**Johannes Pakanen, University of Oulu**

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Johannes Pakanen, University of Oulu
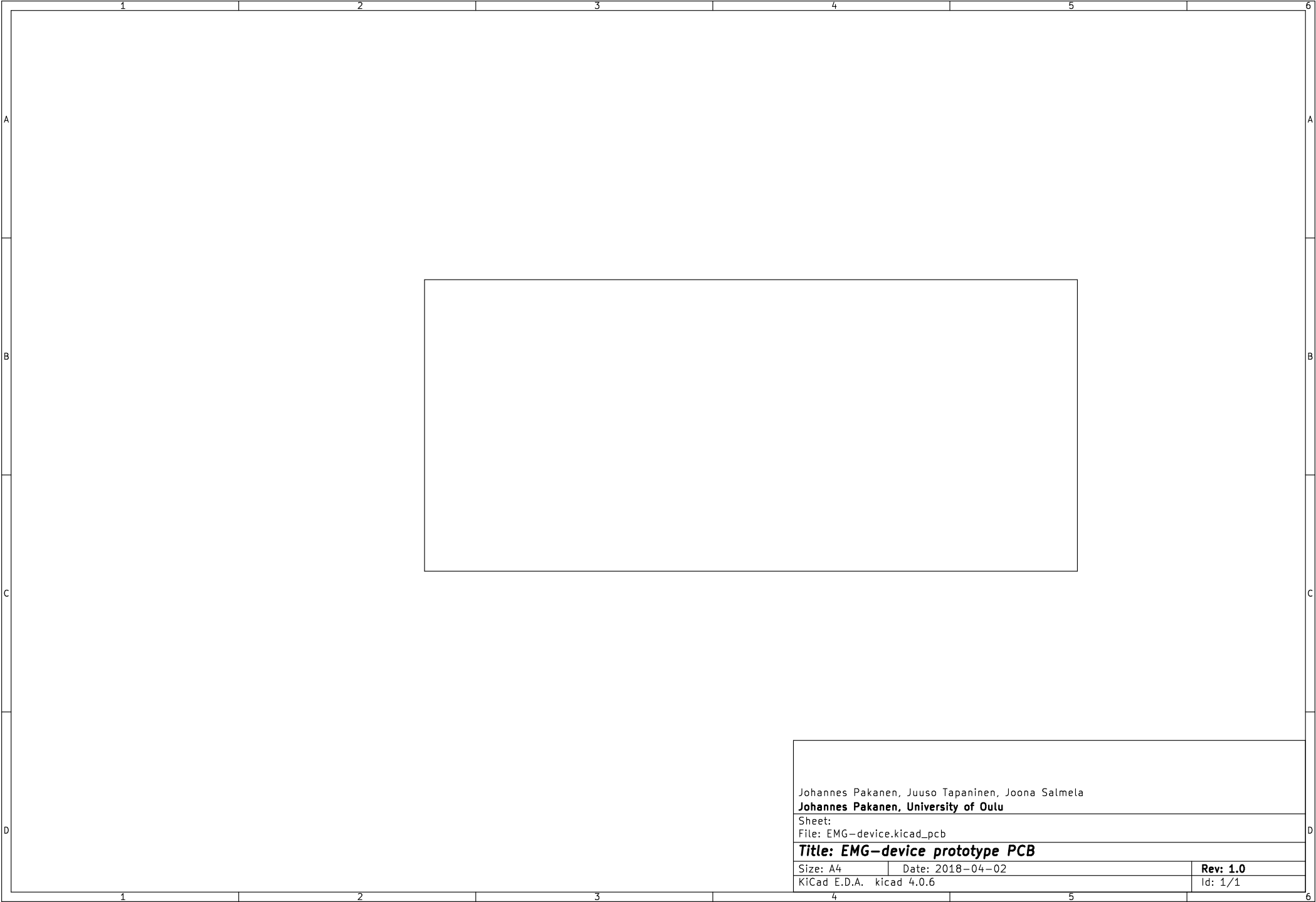
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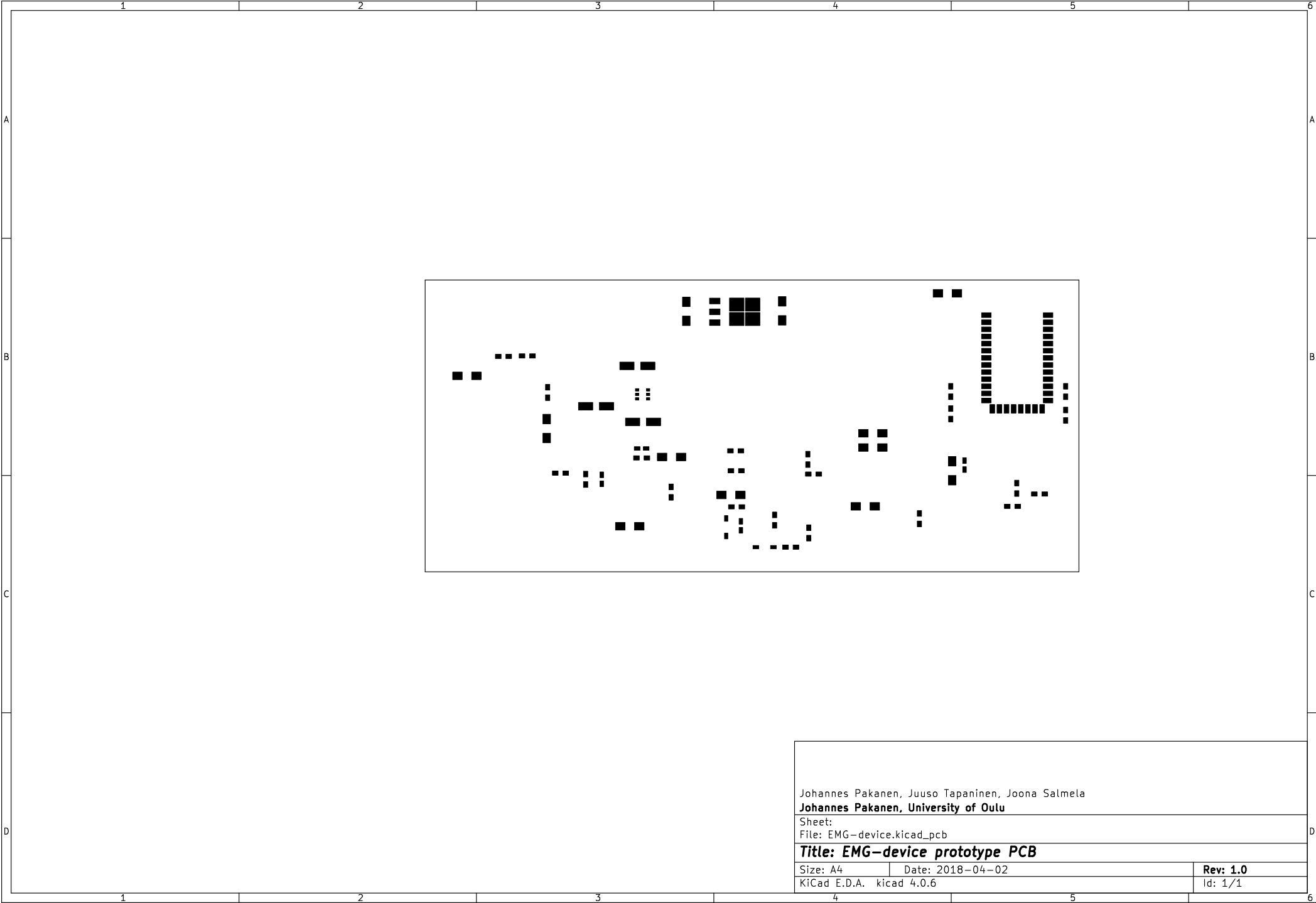File: EMG-device.kicad_pcb

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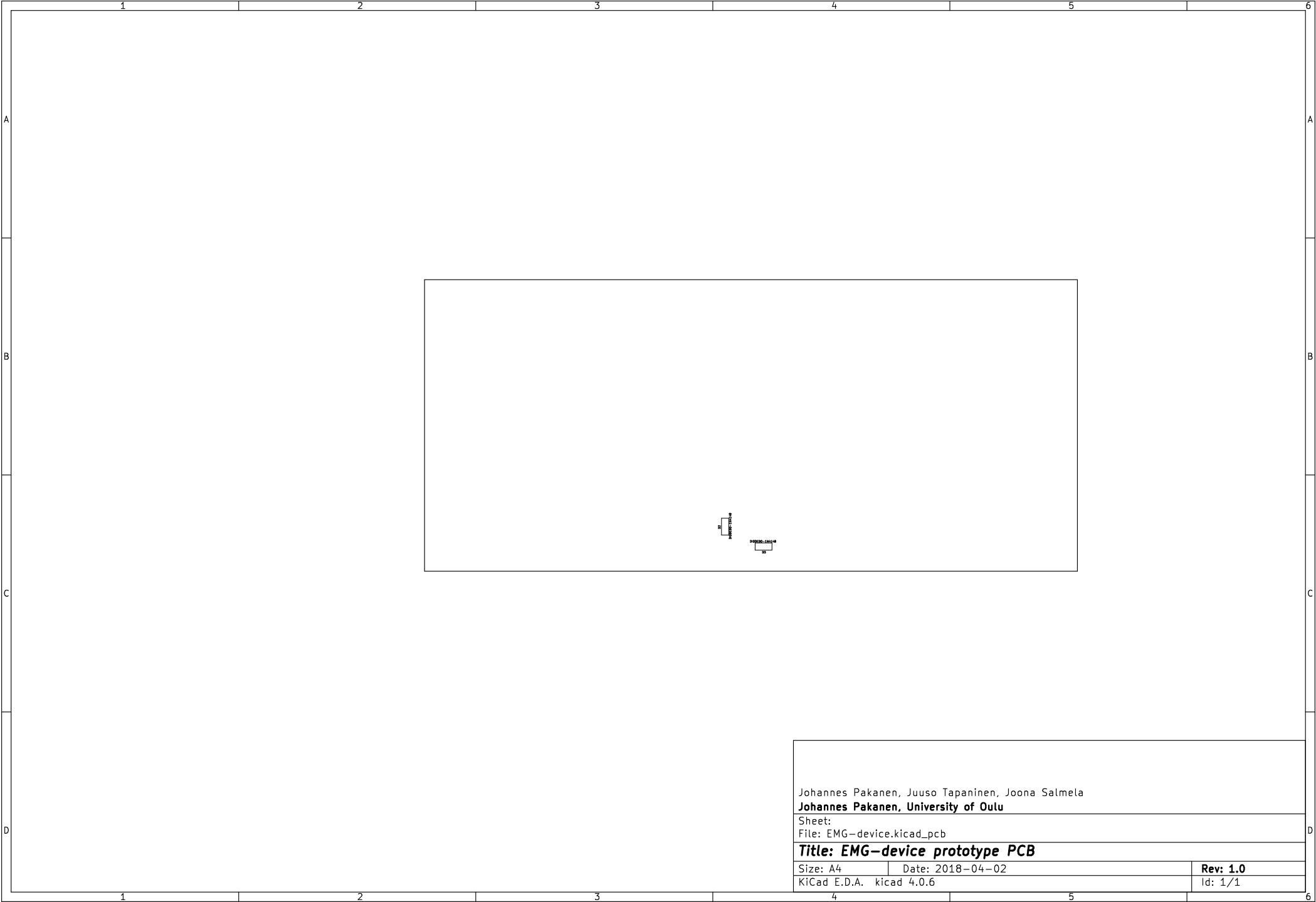| Size: A4 | Date: 2018-04-02 | **Rev: 1.0** |
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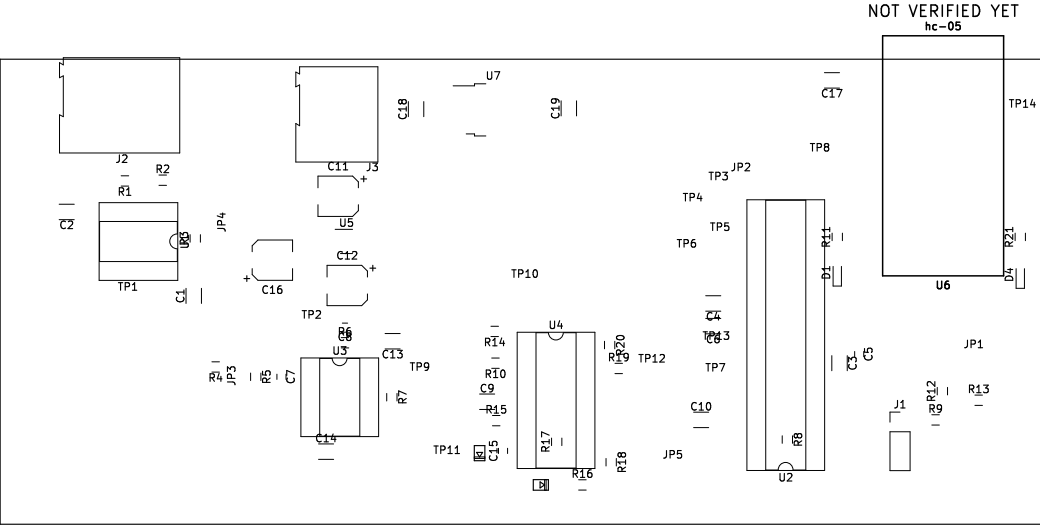| Size: A4 | Date: 2018-04-02 | Rev: 1.0 |
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NOT VERIFIED YET
hc-05

TP14

U7
C18
C19
C17
C11 J3
TP8
J2
R2
TP3 JP2
R1
TP4
C2
TP5
JP4
R11
R21
TP6
C12
U5
D1
C16
TP10
U6
D4
TP1
C1
TP2
C4
JP1
C13
TPC3
R14
U4
R120
R3 JP3
U3
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C9
C3 C5
R7
R15
C10
R8
C14
R17
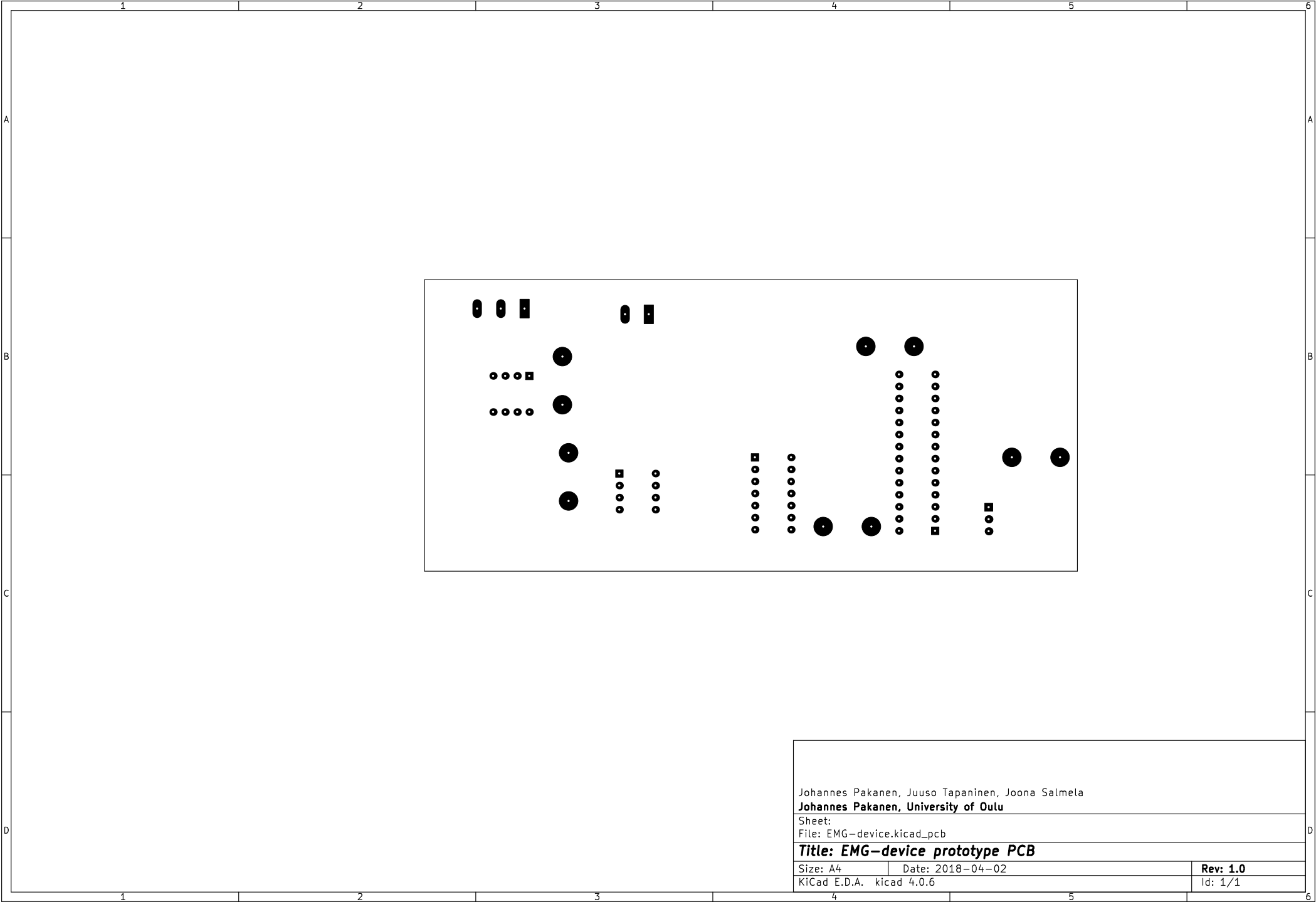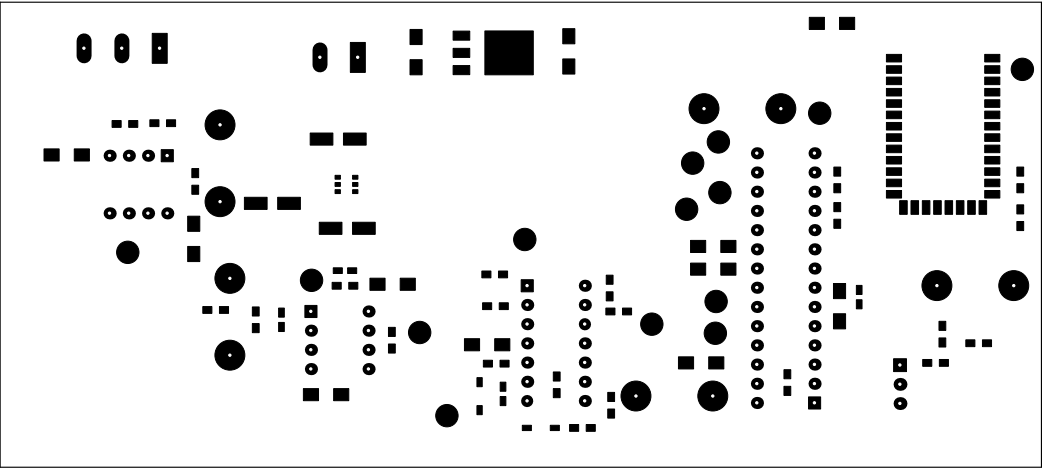J1
R9 R12 R13
TP11
C15
R18
JP5
R16
B1
U2

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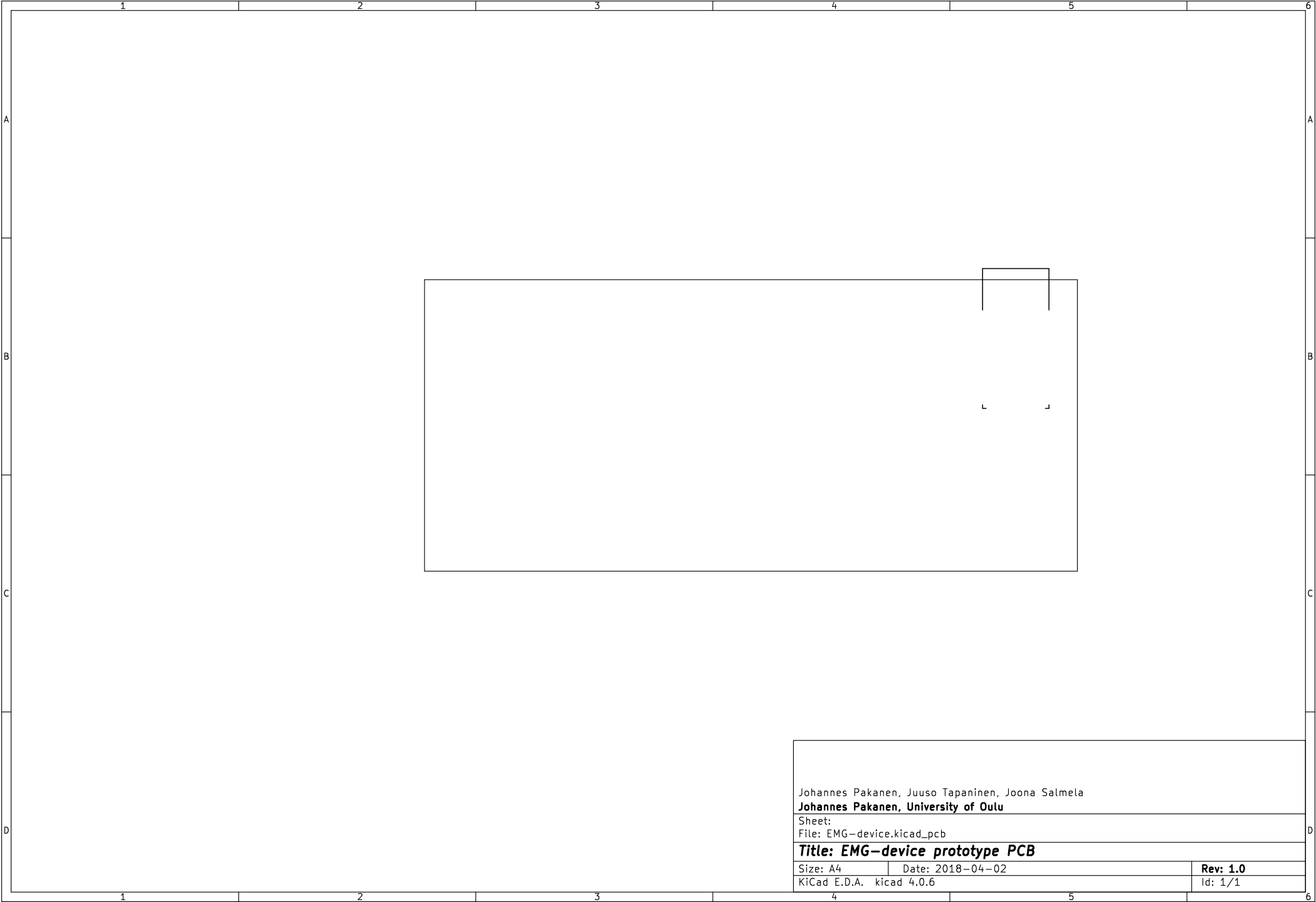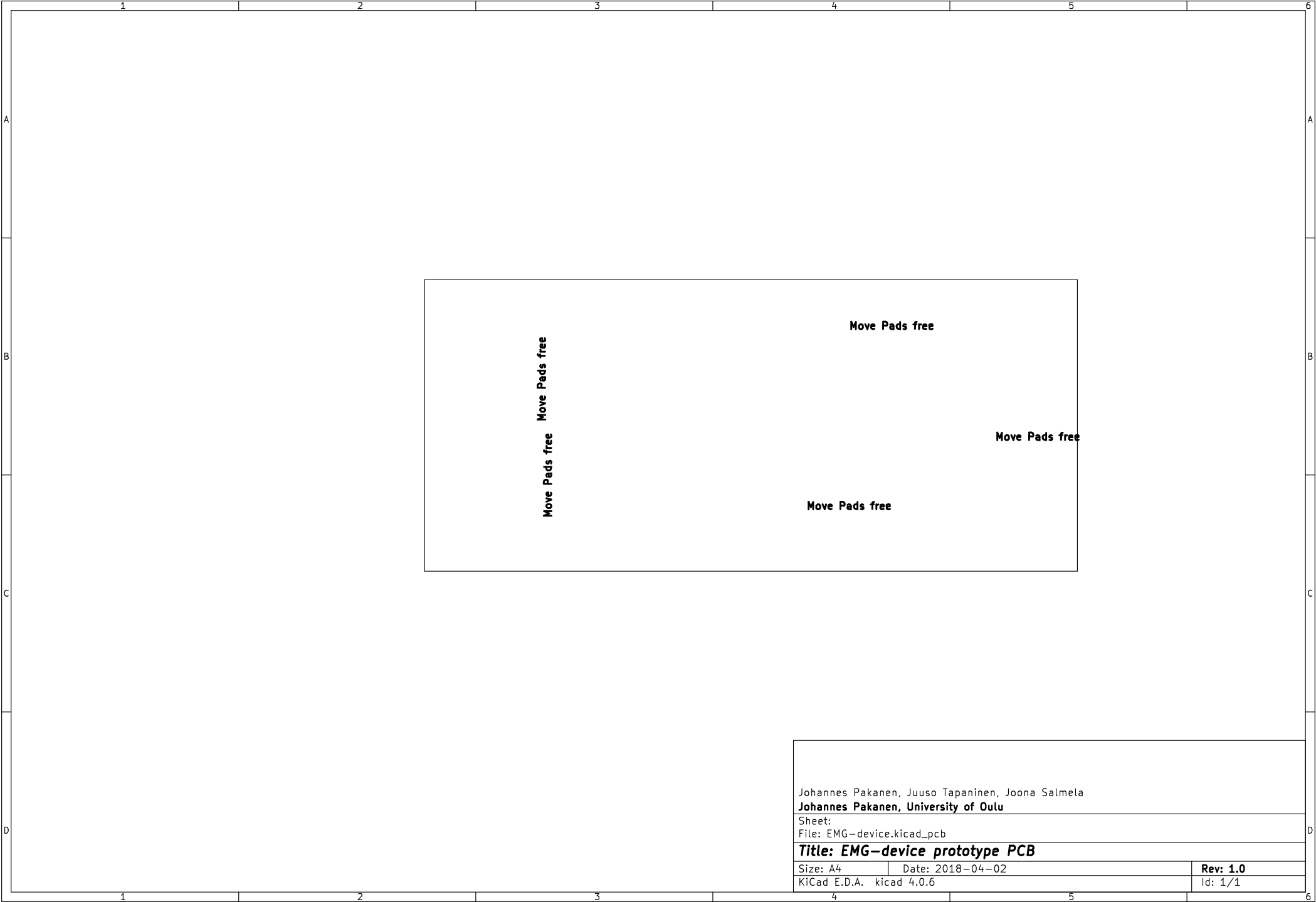| Size: A4	Date: 2018-04-02	Rev: 1.0
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Move Pads free

Move Pads free

Move Pads free Move Pads free

Move Pads free

Move Pads free

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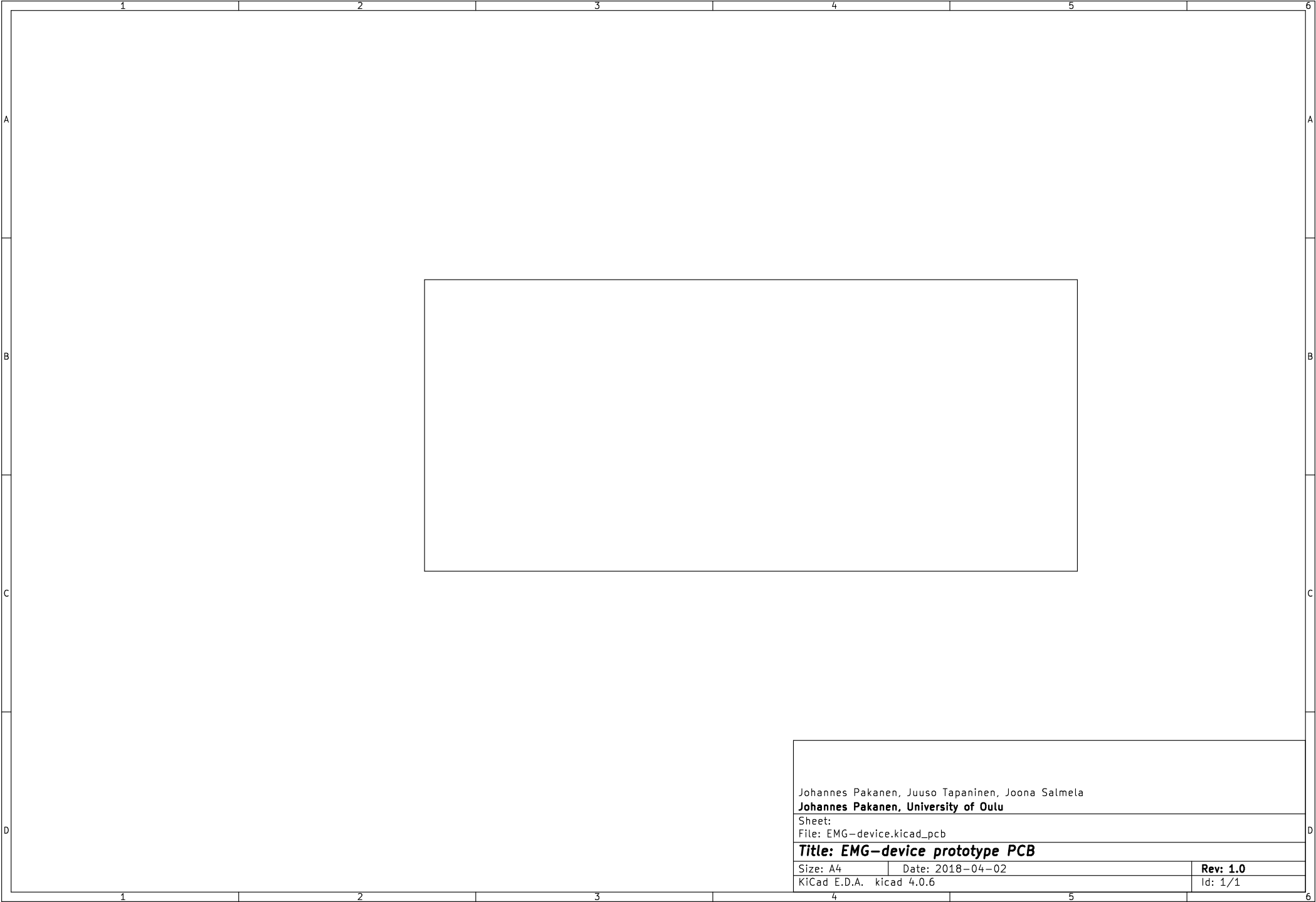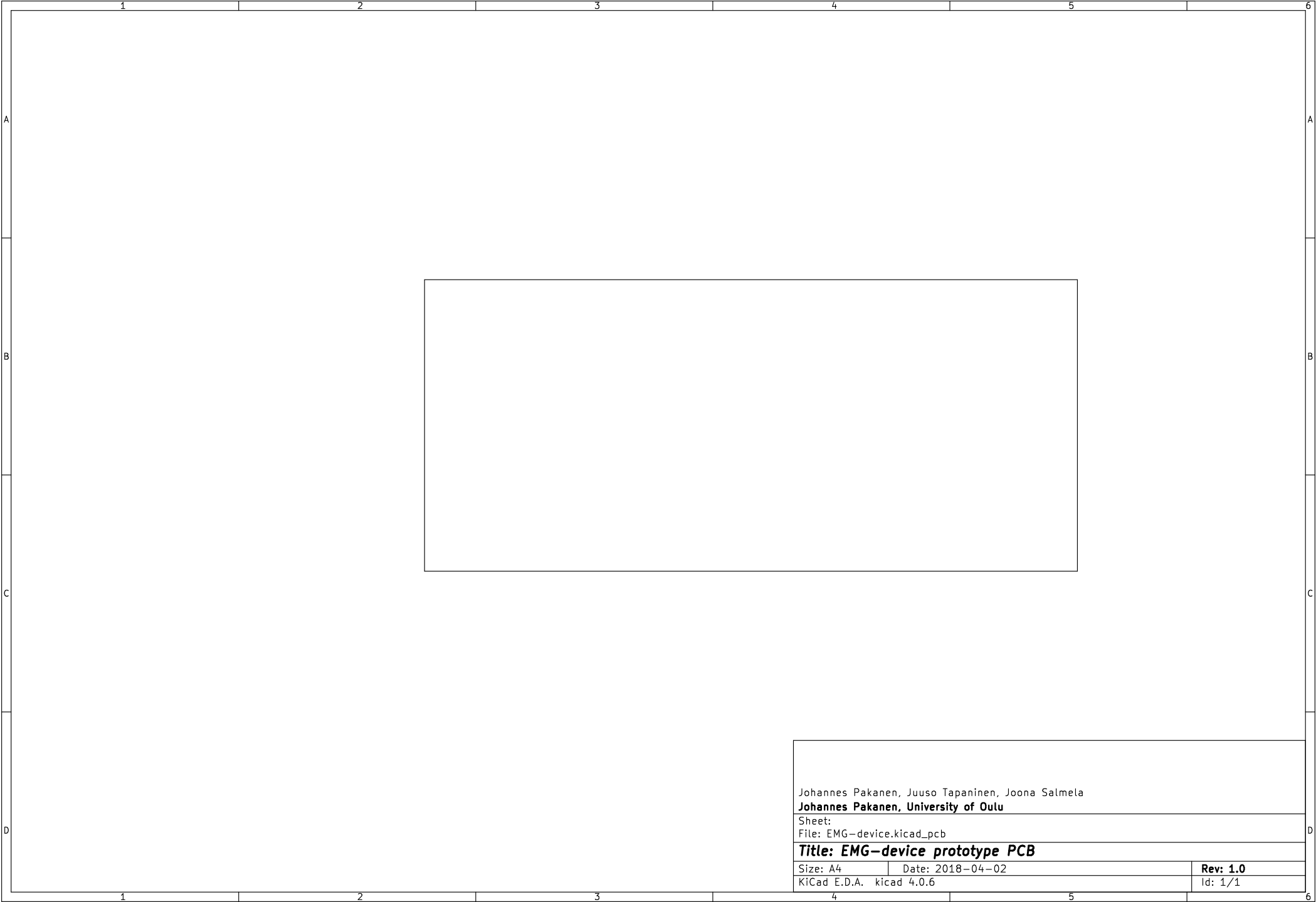**Johannes Pakanen, University of Oulu**

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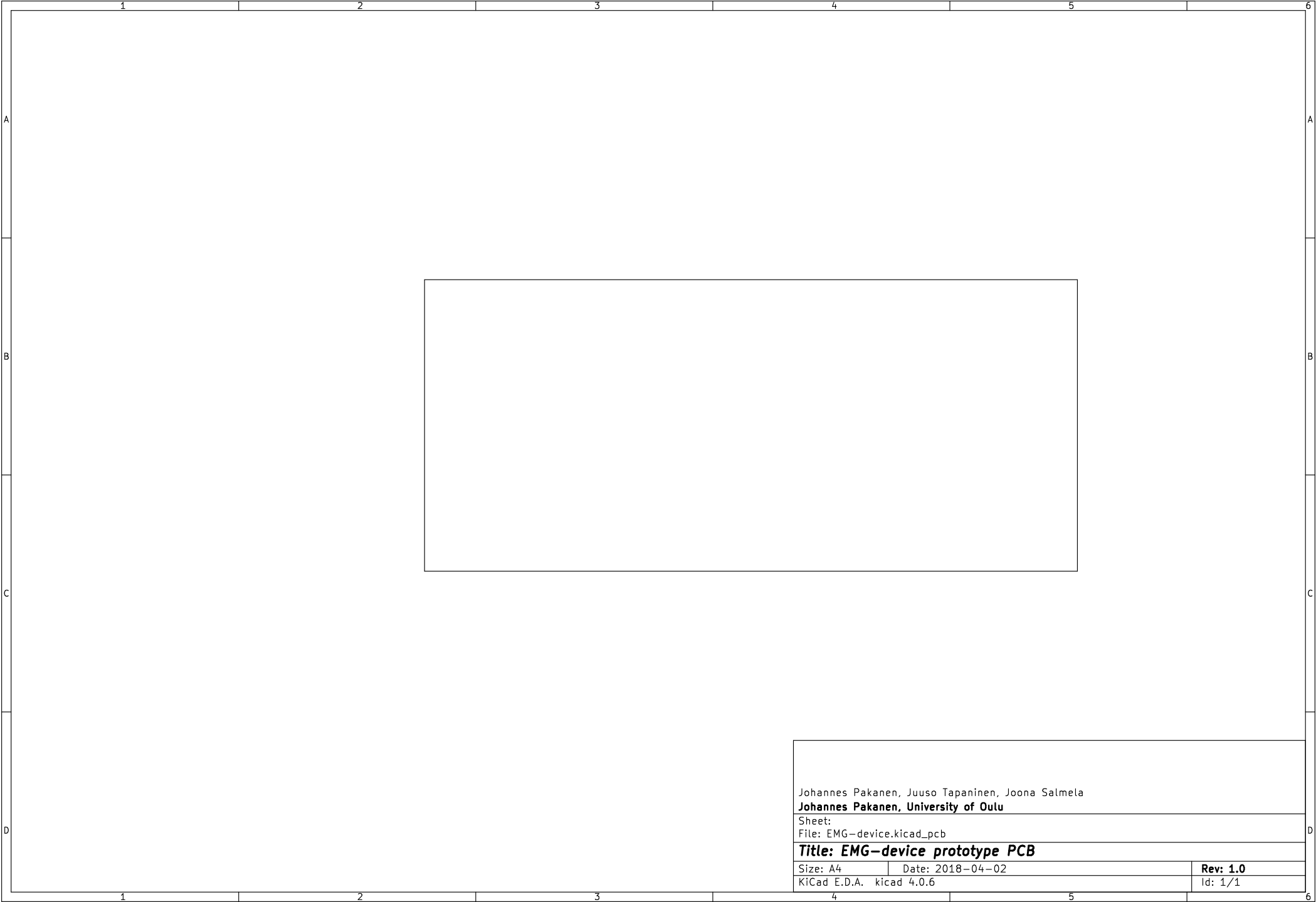| Size: A4 | Date: 2018-04-02 | **Rev: 1.0** |
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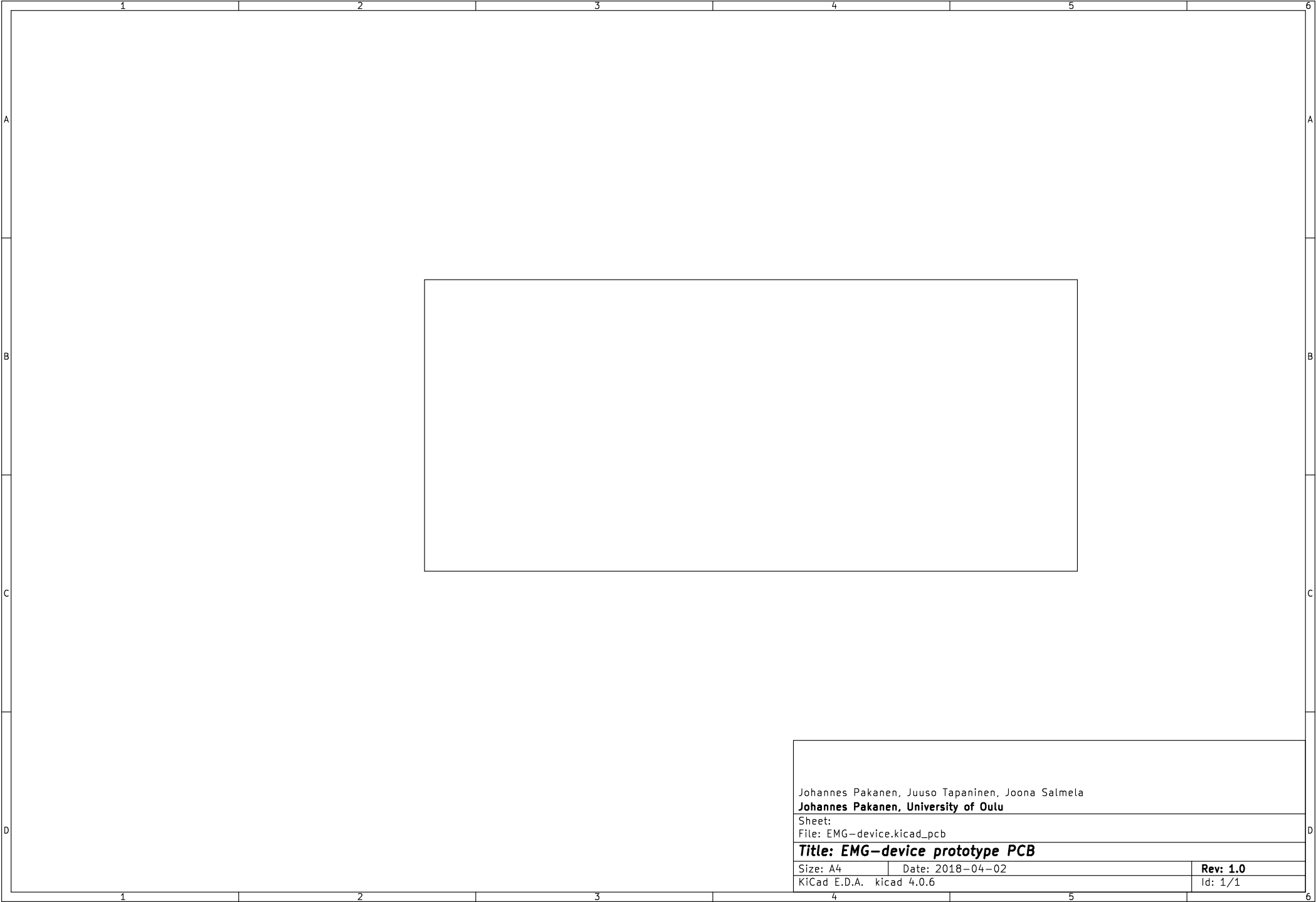| Size: A4	Date: 2018−04−02	**Rev: 1.0**
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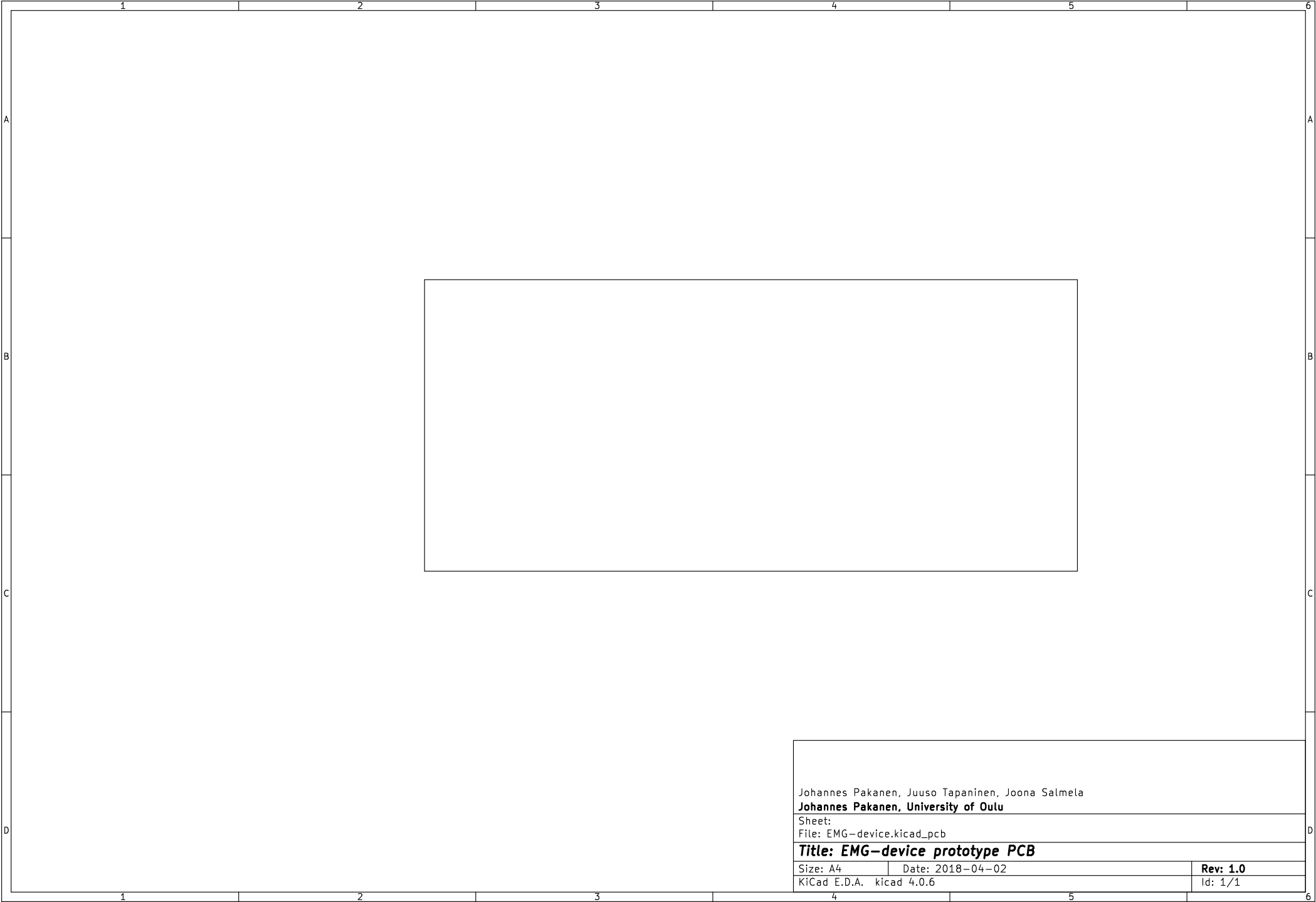| Size: A4	Date: 2018-04-02	**Rev: 1.0**
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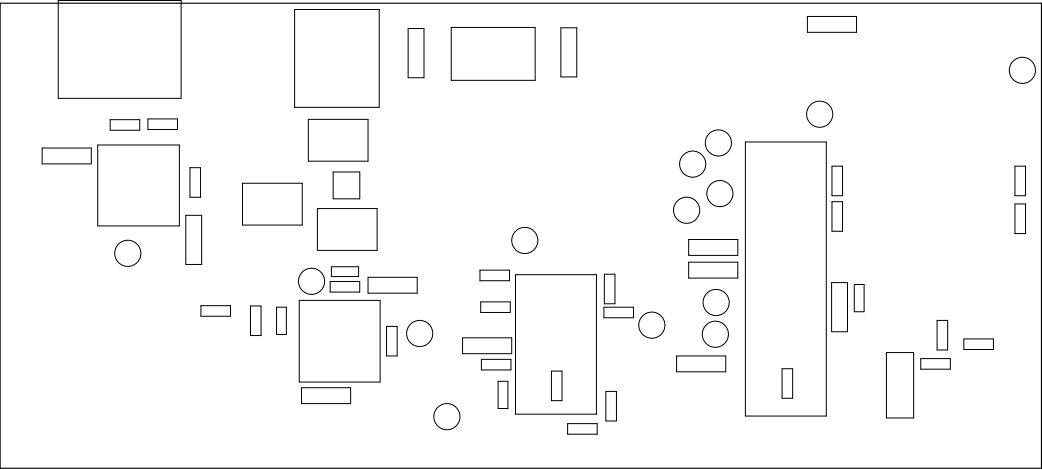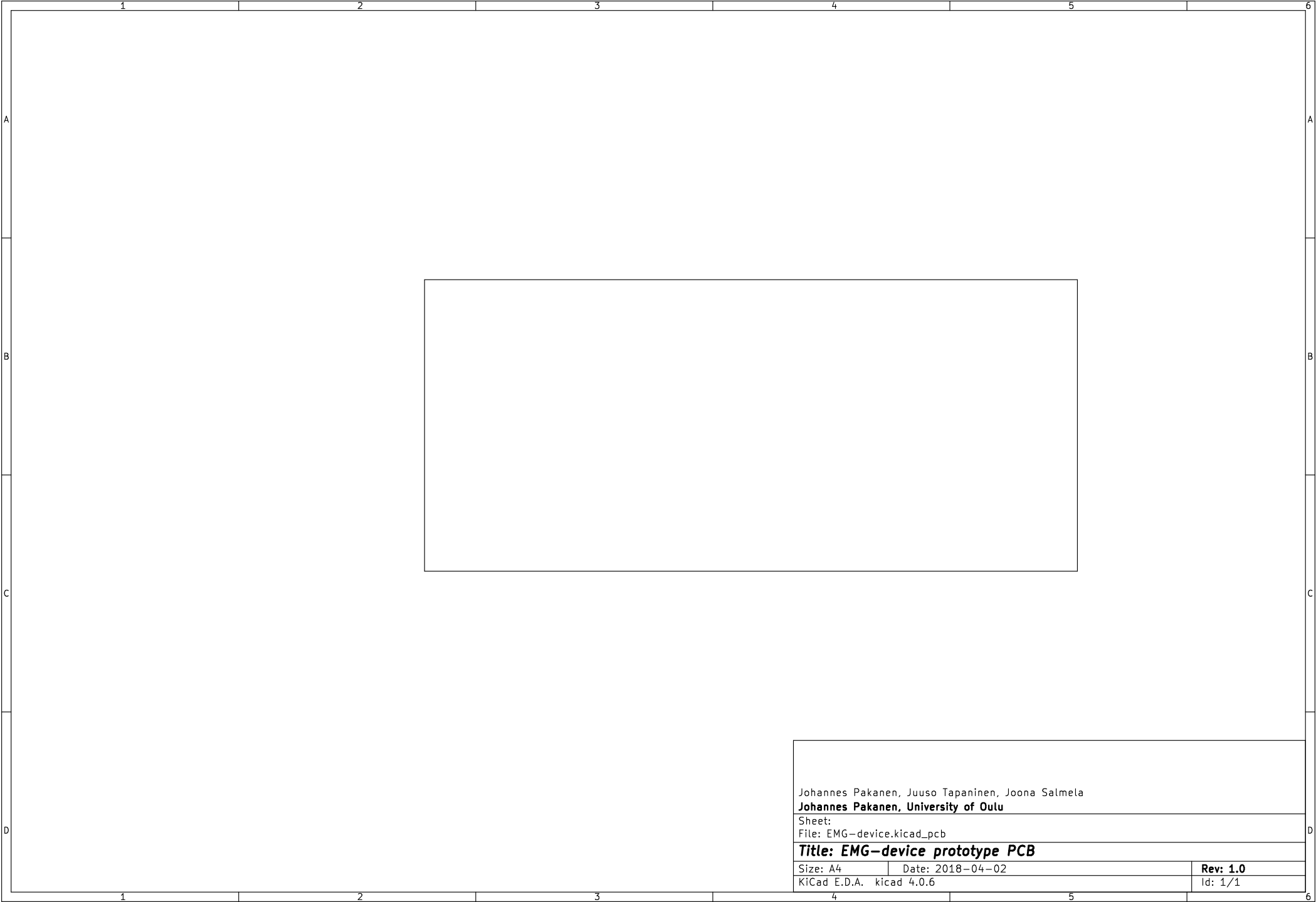| Size: A4	Date: 2018-04-02	**Rev: 1.0**
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Screw_Terminal_1x03

Screw_Terminal_1x02

J2

J3

C18 10uF

U7

C19 10uF

LM1117-3.3

0.1uF
C17

TEST

1M
1M

C11

JumperATMEGA328P-PU

TEST

0.1uF
C2

U1

470

Jumper

47uF

47uF

TEST

LED 1K

TEST

AD620

C16

MAX1720

TEST

LED 1K

C1
0.1uF

TEST
0.1uF

TEST

0.1uF
C6

U2

TEST

150K TEST

47uF

0.1uF
C13

TEST

10k

C5

Jumper

82k

120k

10k

C9

U4

10k

TEST

0.1uF

10K

82k
Jumper
12nF
C7

120k

TEST

0.1uF

100k

U3

LM072

C14

C15
47pF

1k

C10
0.1uF

10k

J1

4.7K

0

0.1uF

LM324N

Jumper

CONN_01X03

TEST

1k

TEST

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