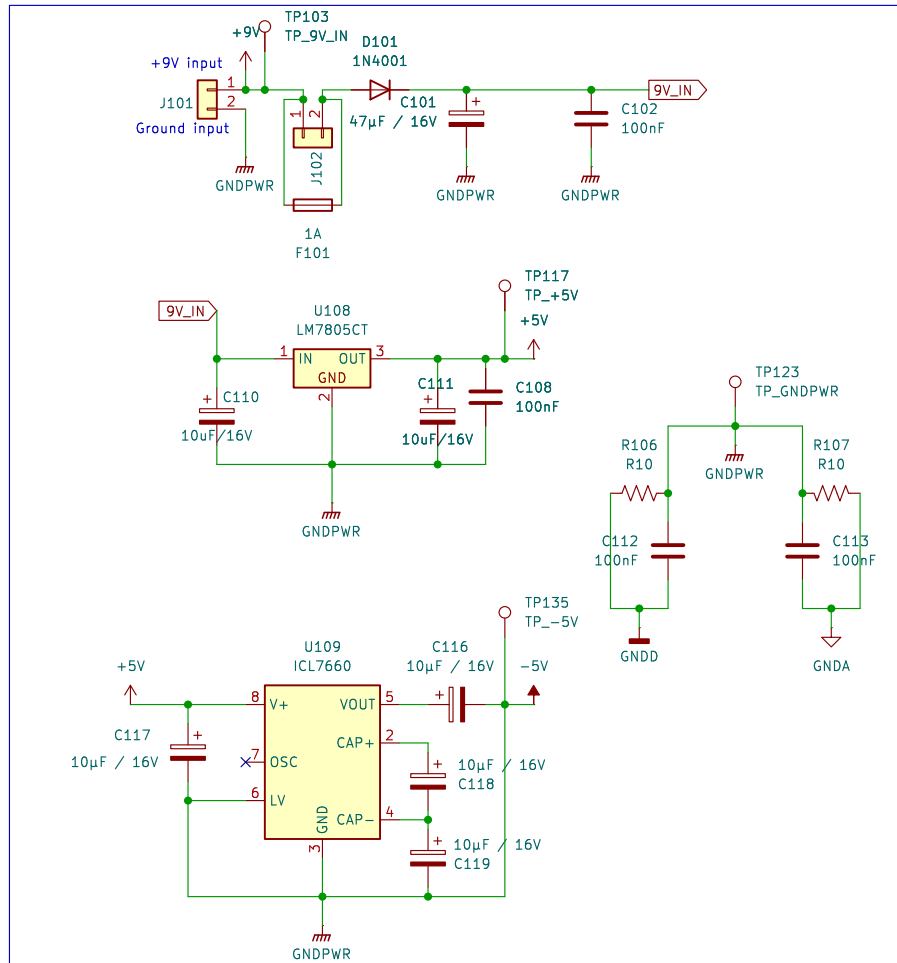
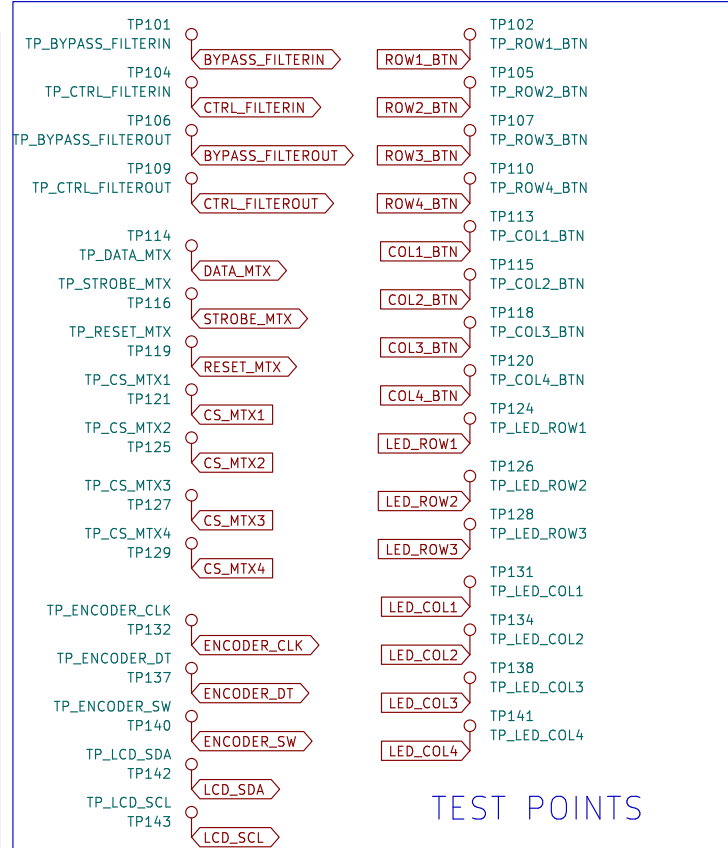
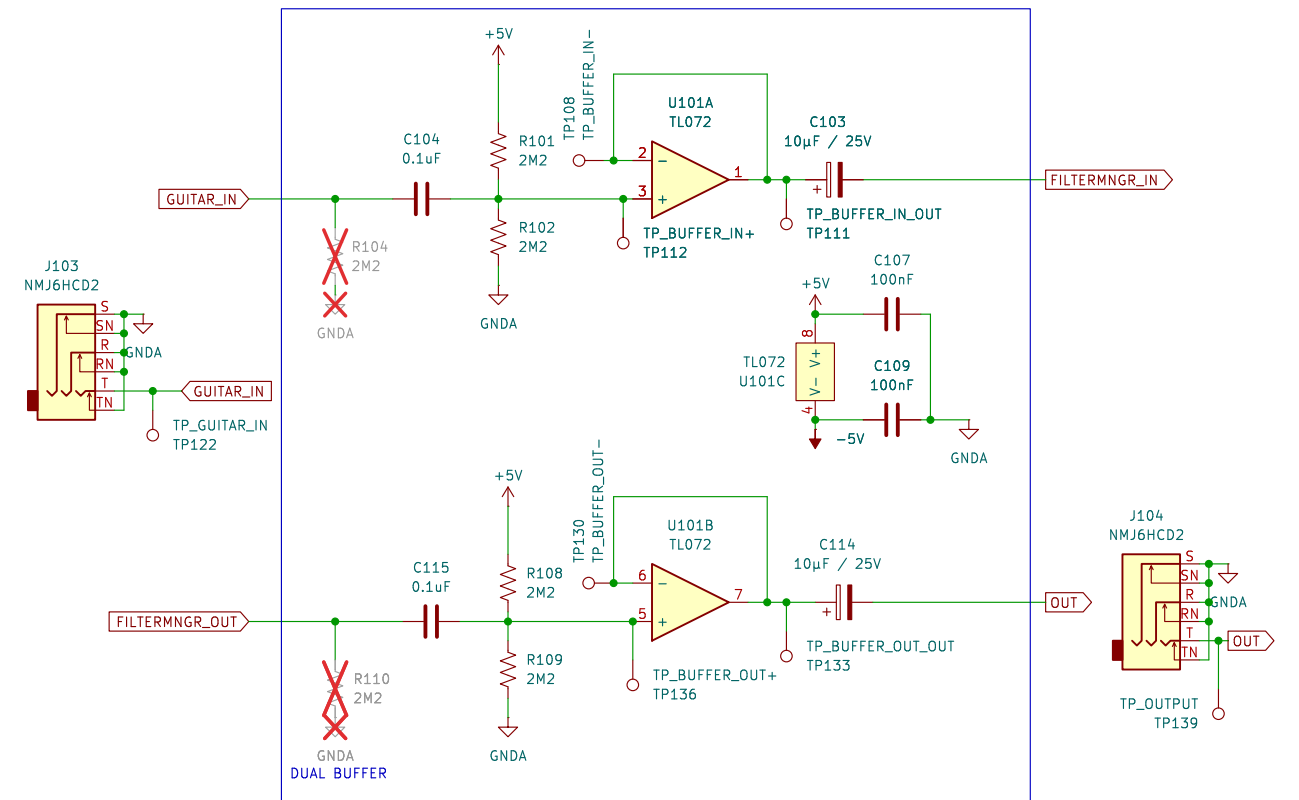




POWER



TEST POINTS



LOOPS

File: LOOPS.kicad_sch

MATRICE_CROSSPOINT

File: MATRICE_CROSSPOINT.kicad_sch

ARDUINO_MEGA

File: ARDUINO_MEGA.kicad_sch

CTRL_PANEL

File: CTRL_PANEL.kicad_sch

OPTIONS

File: OPTIONS.kicad_sch

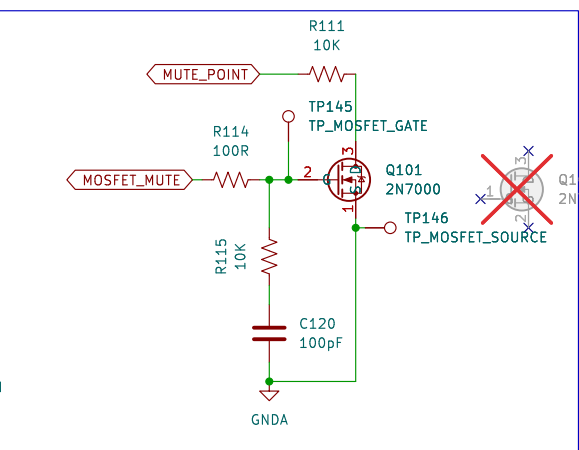
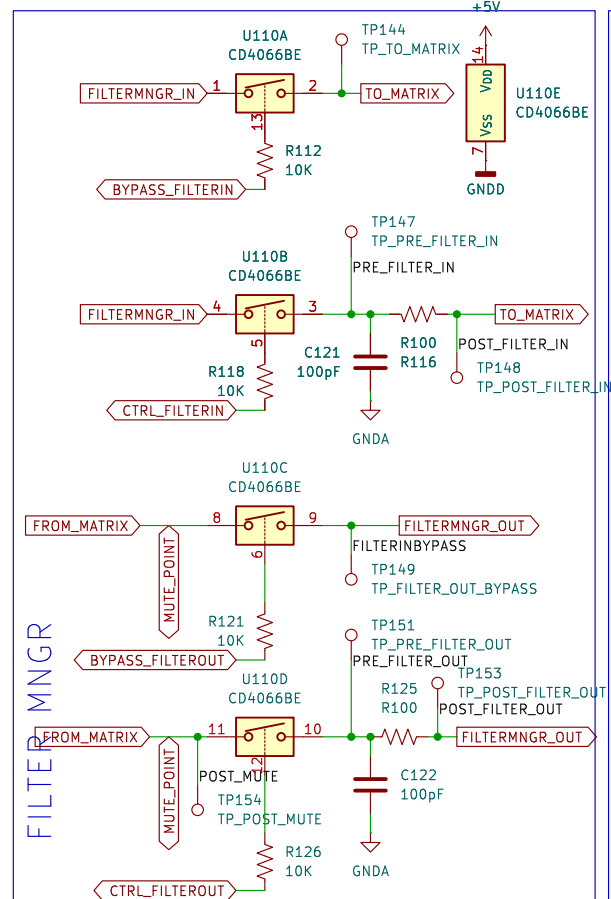
Programmable guitar pedal switcher
with pedal order changing, presets
and based on matrix

Sheet: /
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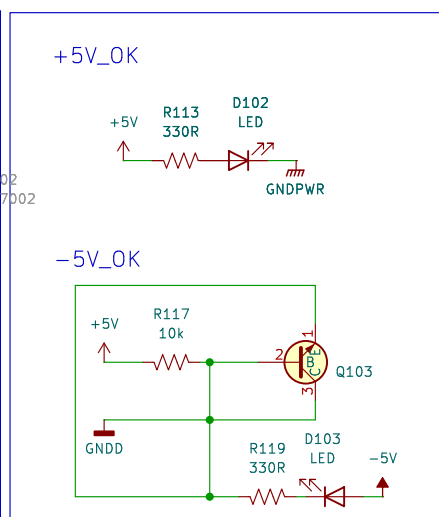
Title: Mini Mega Switcher

Size: A3
KiCad E.D.A. 9.0.5

Date: / /
Rev: 1
Id: 1/6



HW MUTE OPTIONS

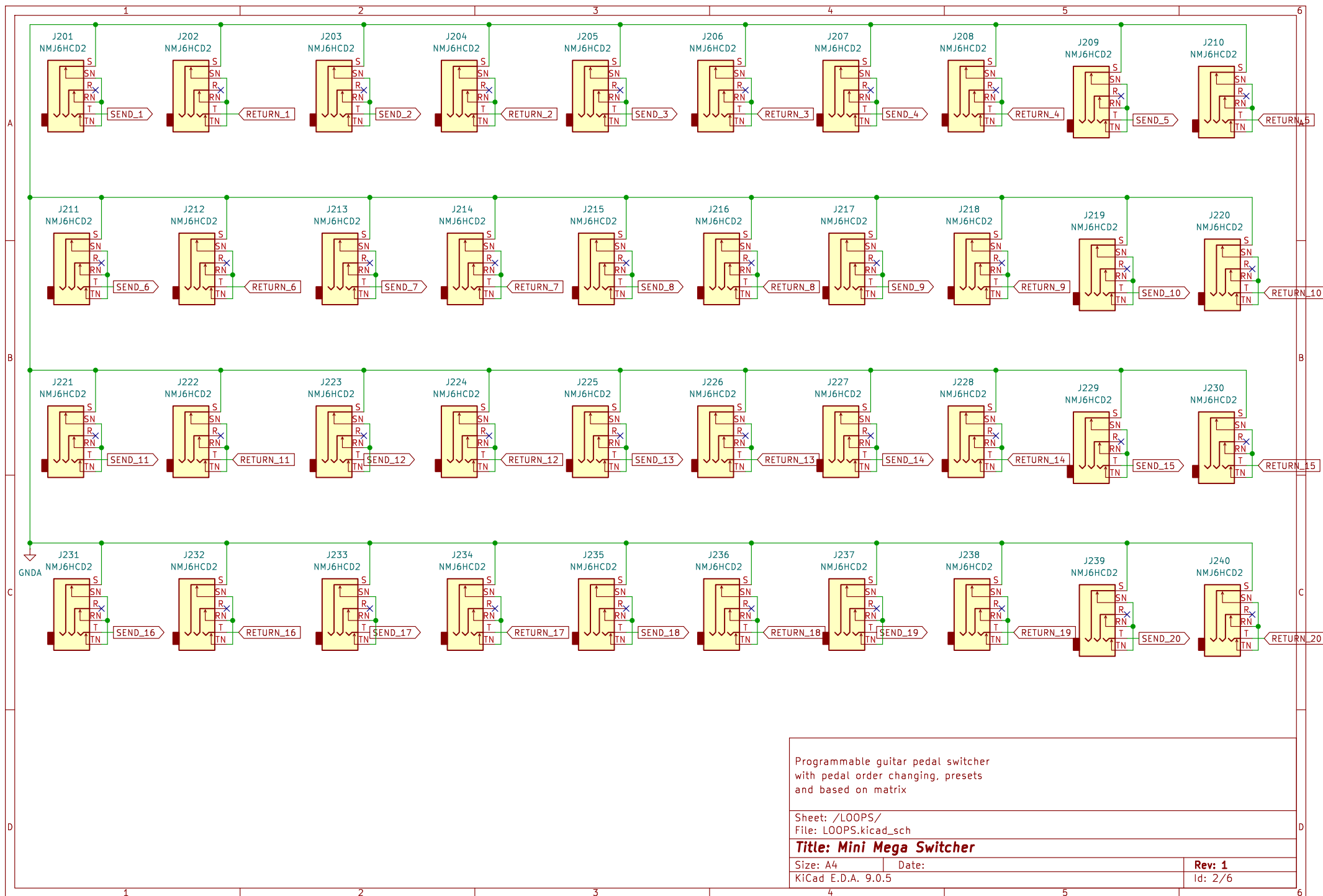


+5V_OK

-5V_OK

MUTE_ON

STATUS LEDs



Programmable guitar pedal switcher
with pedal order changing, presets
and based on matrix

Sheet: /LOOPS/
File: LOOPS.kicad_sch

Title: Mini Mega Switcher

Size: A4
KiCad E.D.A. 9.0.5

Date:
Rev: 1
Id: 2/6

Les 24 (3x8) broches côté gauche

5.1 Analog

Pin Function Type Description

1 NC NC Not Connected

2 IOREF IOREF Reference for digital logic V – connected to 5V

3 Reset Reset Reset

4 +3V3 Power +3V3 Power Rail

5 +5V Power +5V Power Rail

6 GND Power Ground

7 GND Power Ground

8 VIN Power Voltage Input

9 A0 Analog Analog input 0 /GPIO

10 A1 Analog Analog input 1 /GPIO

11 A2 Analog Analog input 2 /GPIO

12 A3 Analog Analog input 3 /GPIO

13 A4 Analog Analog input 4 /GPIO

14 A5 Analog Analog input 5 /GPIO

15 A6 Analog Analog input 6 /GPIO

16 A7 Analog Analog input 7 /GPIO

17 A8 Analog Analog input 8 /GPIO

18 A9 Analog Analog input 9 /GPIO

19 A10 Analog Analog input 10 /GPIO

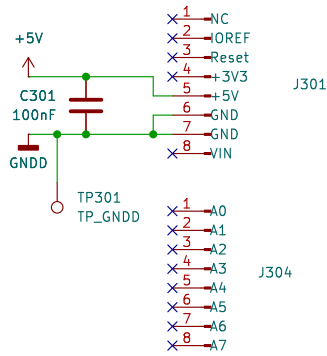
20 A11 Analog Analog input 11 /GPIO

21 A12 Analog Analog input 12 /GPIO

22 A13 Analog Analog input 13 /GPIO

23 A14 Analog Analog input 14 /GPIO

24 A15 Analog Analog input 15 /GP



Première ligne de contact en bas de la carte

5.5 Digital Pins D22 – D53 LHS

Pin Function Type Description

1 +5V Power Power Supply of 5V

2 D22 Digital Digital input 22/GPIO

3 D24 Digital Digital input 24/GPIO

4 D26 Digital Digital input 26/GPIO

5 D28 Digital Digital input 28/GPIO

6 D30 Digital Digital input 30/GPIO

7 D32 Digital Digital input 32/GPIO

8 D34 Digital Digital input 34/GPIO

9 D36 Digital Digital input 36/GPIO

10 D38 Digital Digital input 38/GPIO

11 D40 Digital Digital input 40/GPIO

12 D42 Digital Digital input 42/GPIO

13 D44 Digital Digital input 44/GPIO

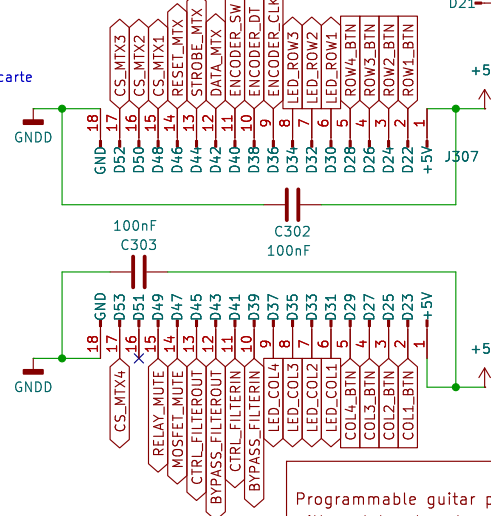
14 D46 Digital Digital input 46/GPIO

15 D48 Digital Digital input 48/GPIO

16 D50 Digital Digital input 50/GPIO

17 D52 Digital Digital input 52/GPIO

18 GND Power Ground



Les 26 (10 + 2 x 8) broches côté droit

5.2 Digital

Pin Function Type Description

1 D21/SCL Digital Input/I2C Digital input 21/I2C Dateline

2 D20/SDA Digital Input/I2C Digital input 20/I2C Dateline

3 AREF Digital Analog Reference Voltage

4 GND Power Ground

5 D13 Digital/GPIO Digital input 13/GPIO

6 D12 Digital/GPIO Digital input 12/GPIO

7 D11 Digital/GPIO Digital input 11/GPIO

8 D10 Digital/GPIO Digital input 10/GPIO

9 D9 Digital/GPIO Digital input 9/GPIO

10 D8 Digital/GPIO Digital input 8/GPIO

11 D7 Digital/GPIO Digital input 7/GPIO

12 D6 Digital/GPIO Digital input 6/GPIO

13 D5 Digital/GPIO Digital input 5/GPIO

14 D4 Digital/GPIO Digital input 4/GPIO

15 D3 Digital/GPIO Digital input 3/GPIO

16 D2 Digital/GPIO Digital input 2/GPIO

17 D1/TX0 Digital/GPIO Digital input 1 /GPIO

18 D0/Tx1 Digital/GPIO Digital input 0 /GPIO

19 D14 Digital/GPIO Digital input 14 /GPIO

20 D15 Digital/GPIO Digital input 15 /GPIO

21 D16 Digital/GPIO Digital input 16 /GPIO

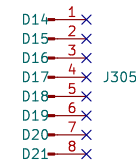
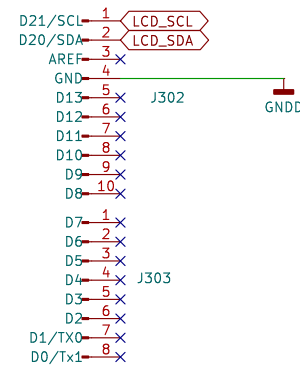
22 D17 Digital/GPIO Digital input 17 /GPIO

23 D18 Digital/GPIO Digital input 18 /GPIO

24 D19 Digital/GPIO Digital input 19 /GPIO

25 D20 Digital/GPIO Digital input 20 /GPIO

26 D21 Digital/GPIO Digital input 21 /GPIO



Seconde ligne de contact en bas de la carte

5.6 Digital Pins D22 – D53 RHS

Pin Function Type Description

1 +5V Power Power Supply of 5V

2 D23 Digital Digital input 23/GPIO

3 D25 Digital Digital input 25/GPIO

4 D27 Digital Digital input 27/GPIO

5 D29 Digital Digital input 29/GPIO

6 D31 Digital Digital input 31/GPIO

7 D33 Digital Digital input 33/GPIO

8 D35 Digital Digital input 35/GPIO

9 D37 Digital Digital input 37/GPIO

10 D39 Digital Digital input 39/GPIO

11 D41 Digital Digital input 41/GPIO

12 D43 Digital Digital input 43/GPIO

13 D45 Digital Digital input 45/GPIO

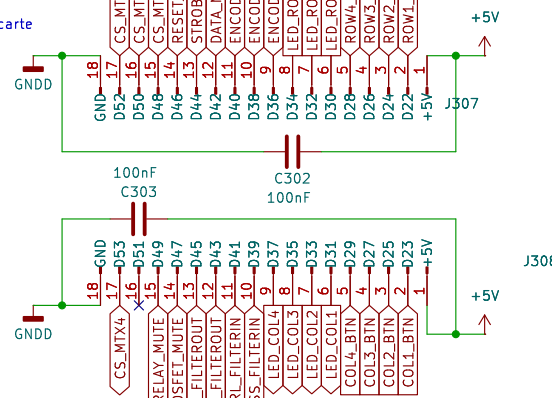
14 D47 Digital Digital input 47/GPIO

15 D49 Digital Digital input 49/GPIO

16 D51 Digital Digital input 51/GPIO

17 D53 Digital Digital input 53/GPIO

18 GND Power Ground



Programmable guitar pedal switcher
with pedal order changing, presets
and based on matrix

Sheet: /ARDUINO_MEGA/

File: ARDUINO_MEGA.kicad_sch

Title: Mini Mega Switcher

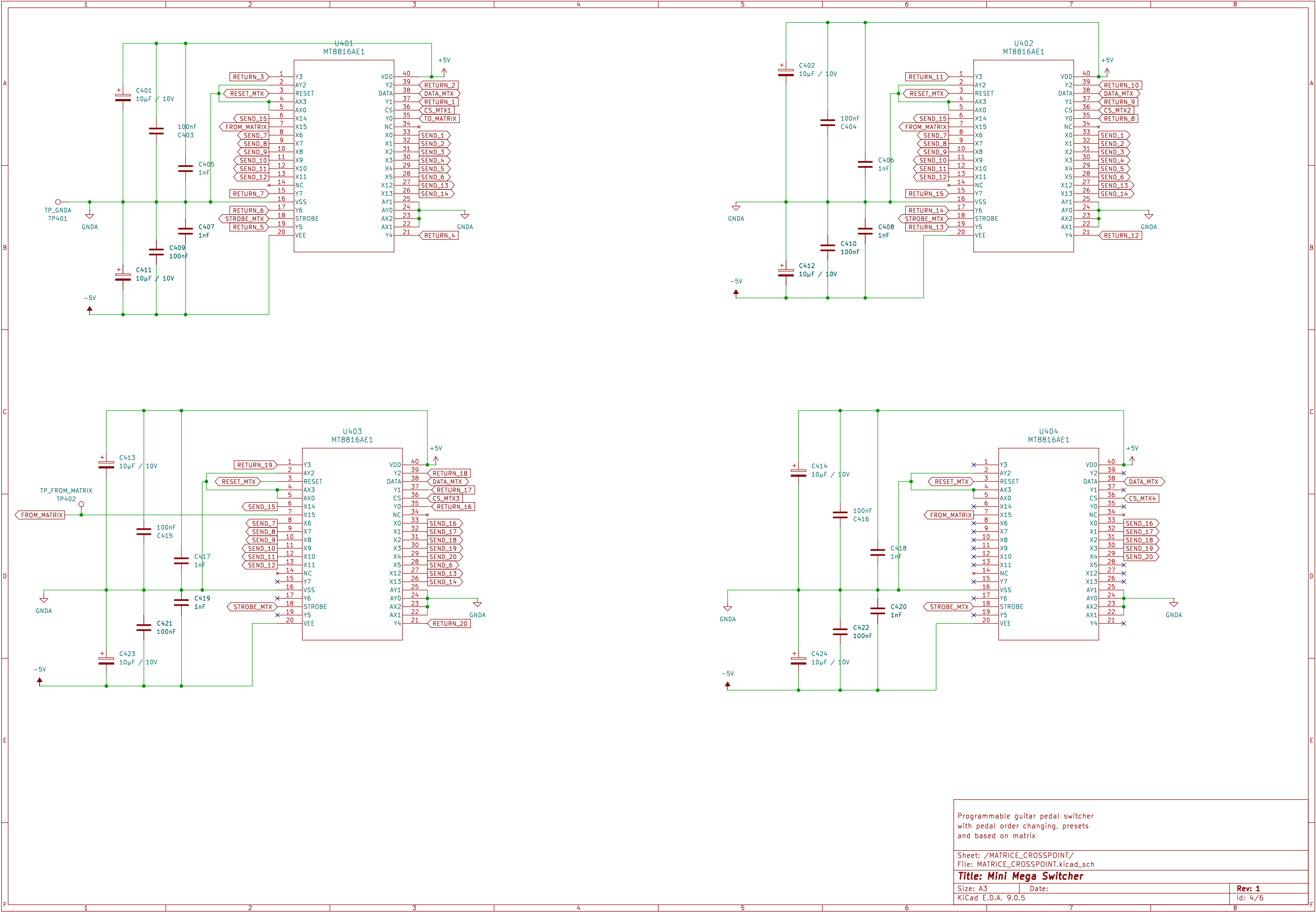
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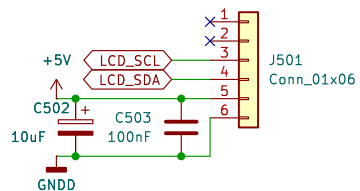
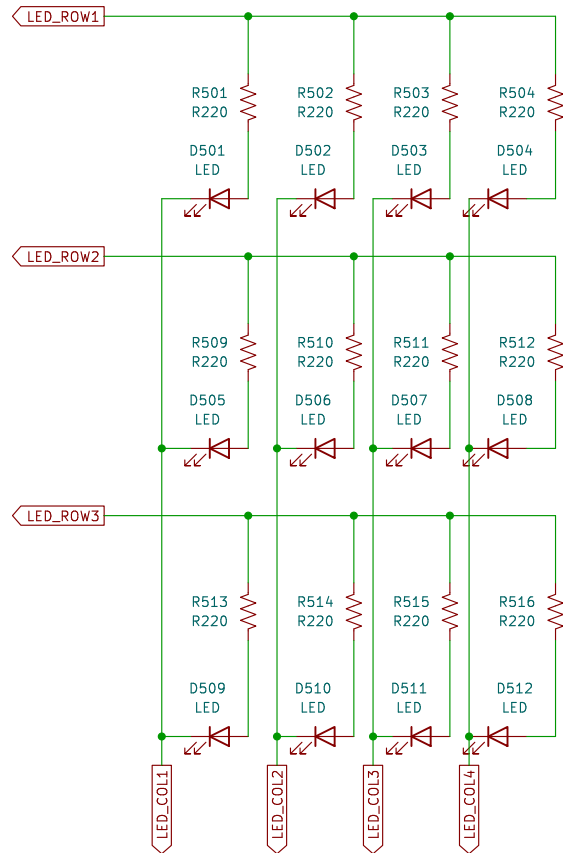
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KiCad E.D.A. 9.0.5

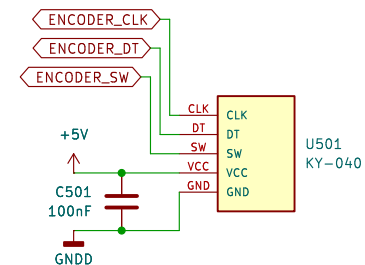
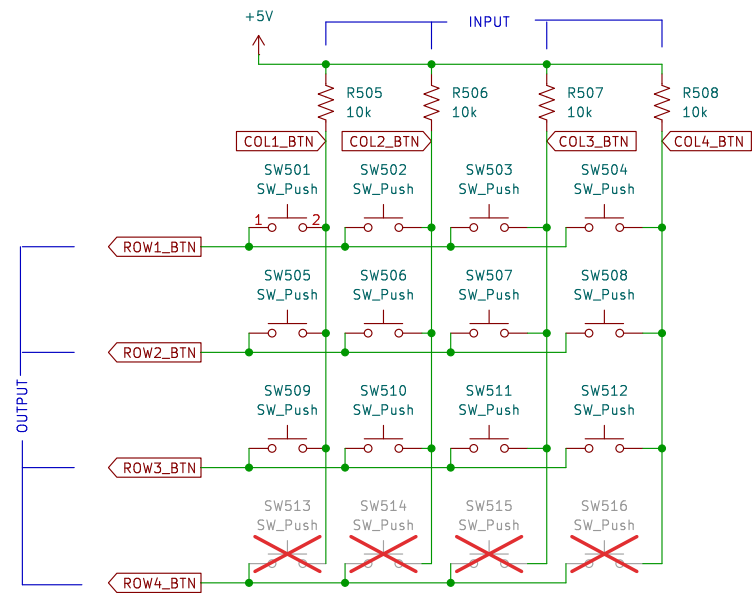
Rev: 1

Id: 3/6





DISPLAY



CONTROLS

Programmable guitar pedal switcher
with pedal order changing, presets
and based on matrix

Sheet: /CTRL_PANEL/
File: CTRL_PANEL.kicad_sch

Title: Mini Mega Switcher

Size: A4

Date:

KiCad E.D.A. 9.0.5

Rev: 1

Id: 5/6