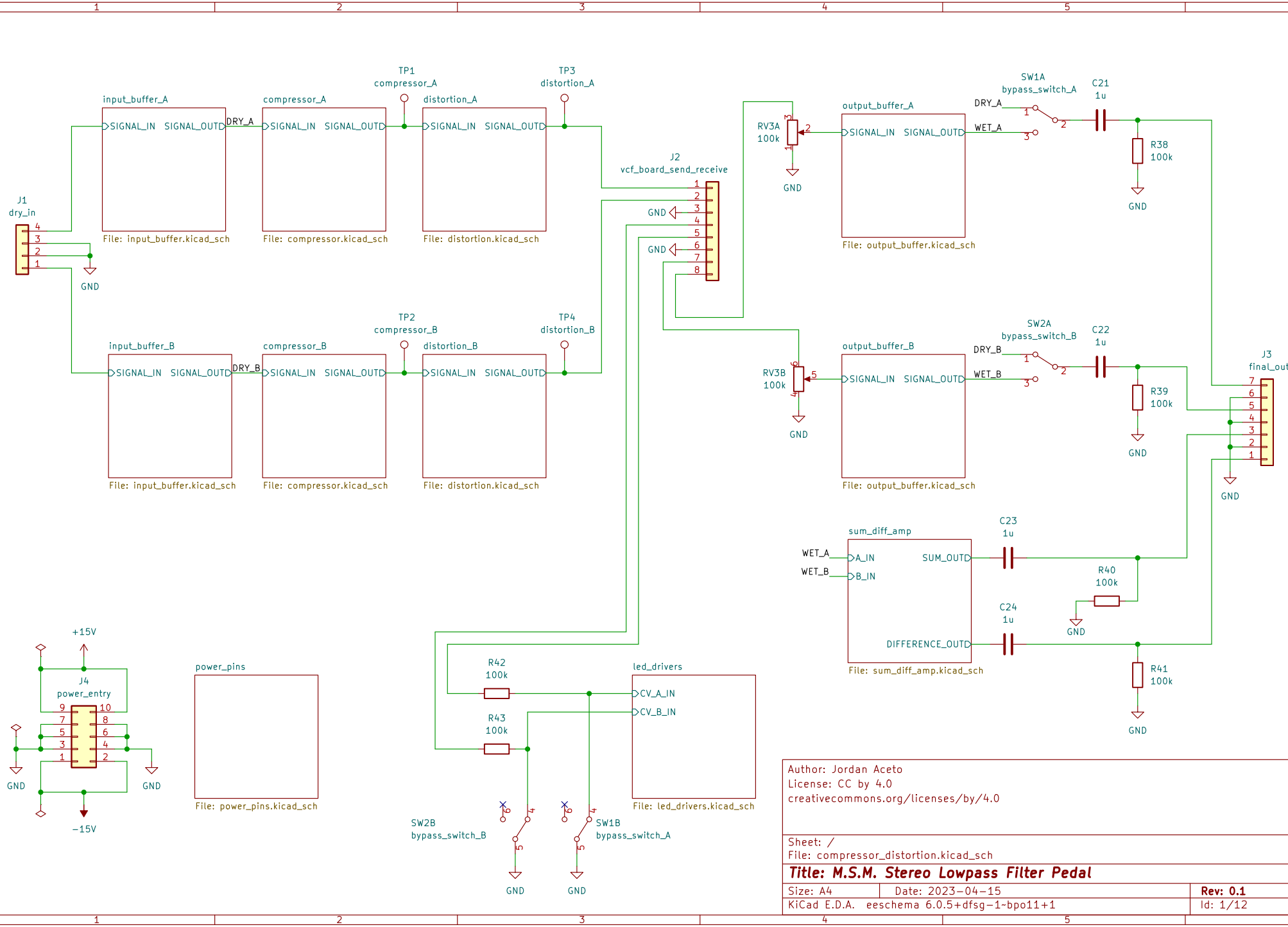
input_buffer_A
SIGNAL_IN SIGNAL_OUT
DRY_A
File: input_buffer.kicad_sch
compressor_A
SIGNAL_IN SIGNAL_OUT
File: compressor.kicad_sch
distortion_A
SIGNAL_IN SIGNAL_OUT
File: distortion.kicad_sch
TP1
compressor_A
TP3
distortion_A
J1
dry_in
GND
J2
vcf_board_send_receive
GND
GND
input_buffer_B
SIGNAL_IN SIGNAL_OUT
DRY_B
File: input_buffer.kicad_sch
compressor_B
SIGNAL_IN SIGNAL_OUT
File: compressor.kicad_sch
distortion_B
SIGNAL_IN SIGNAL_OUT
File: distortion.kicad_sch
TP2
compressor_B
TP4
distortion_B
RV3A
100k
GND
output_buffer_A
SIGNAL_IN SIGNAL_OUT
File: output_buffer.kicad_sch
SW1A
bypass_switch_A
DRY_A
WET_A
C21
1u
R38
100k
GND
RV3B
100k
GND
output_buffer_B
SIGNAL_IN SIGNAL_OUT
File: output_buffer.kicad_sch
SW2A
bypass_switch_B
DRY_B
WET_B
C22
1u
R39
100k
GND
J3
final_out
GND
sum_diff_amp
WET_A
WET_B
A_IN
B_IN
SUM_OUT
DIFFERENCE_OUT
File: sum_diff_amp.kicad_sch
C23
1u
C24
1u
R40
100k
GND
R41
100k
GND
+15V
J4
power_entry
GND
GND
-15V
power_pins
File: power_pins.kicad_sch
R42
100k
R43
100k
led_drivers
CV_A_IN
CV_B_IN
File: led_drivers.kicad_sch
SW2B
bypass_switch_B
SW1B
bypass_switch_A
GND
GND
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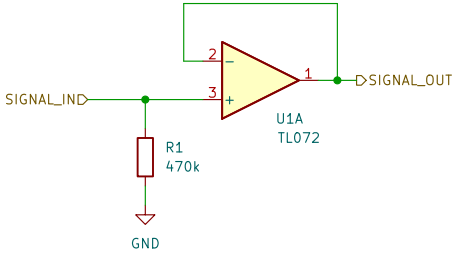
Sheet: /
File: compressor_distortion.kicad_sch
Title: M.S.M. Stereo Lowpass Filter Pedal
Size: A4
Date: 2023-04-15
Rev: 0.1
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1
Id: 1/12



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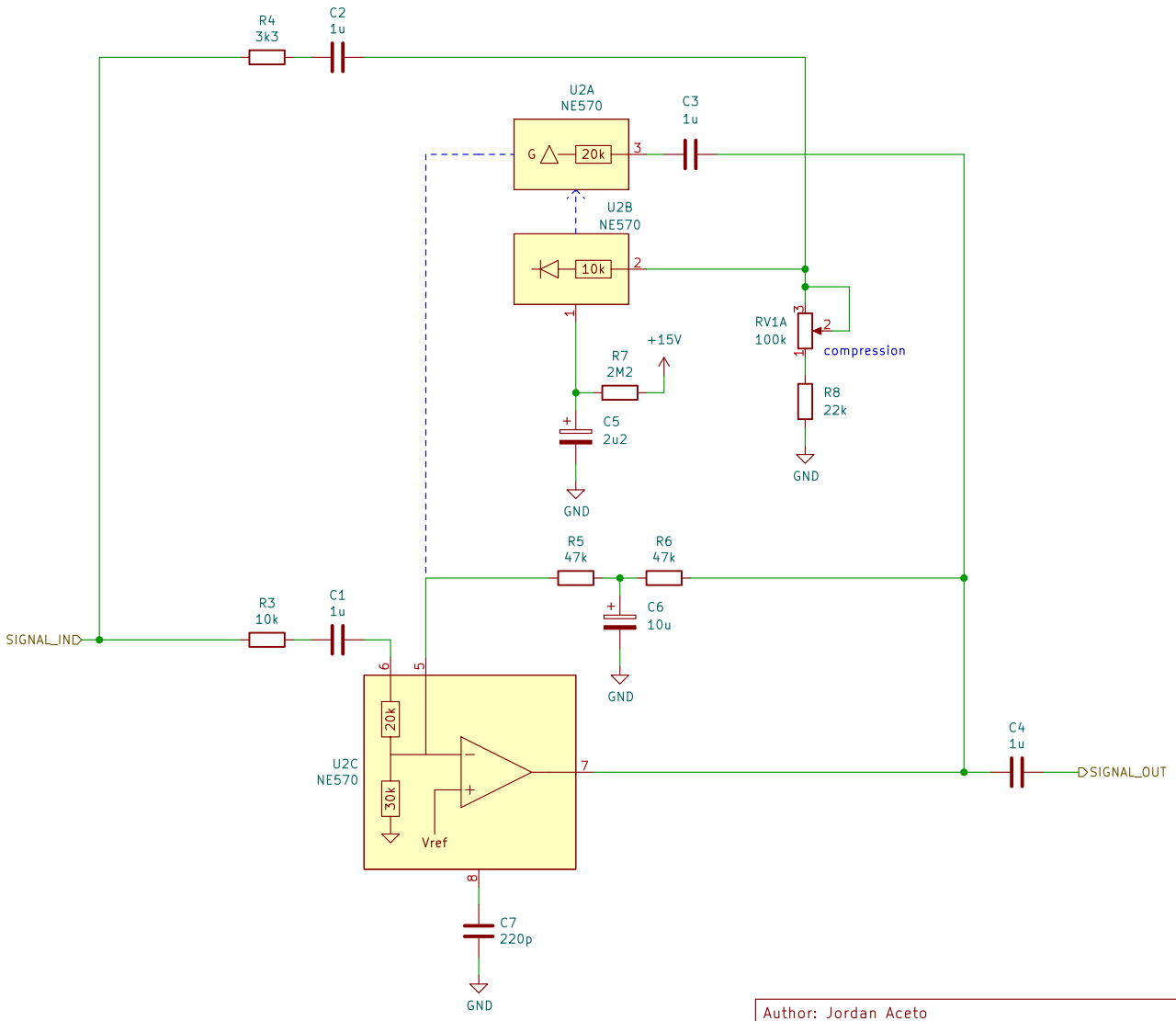
Sheet: /input_buffer_A/
File: input_buffer.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 2/12



Note: the NE570 is obsolete and hard to find.
Make sure you can get them before commiting to boards!

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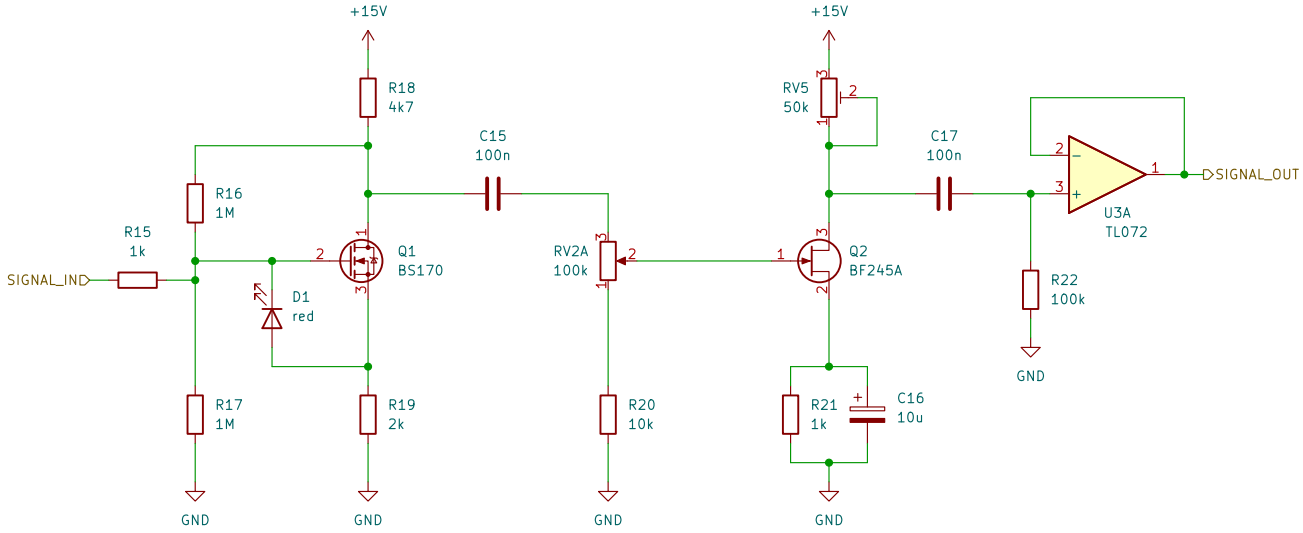
Sheet: /compressor_A/
File: compressor.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg-1-bpo11+1	Id: 3/12



Note: these through-hole FETs are obsolete and hard to find. Make sure you can get them before commiting to boards!

Possible SMD subs:

2N2007 for BS170
MMBF4416 for BF245

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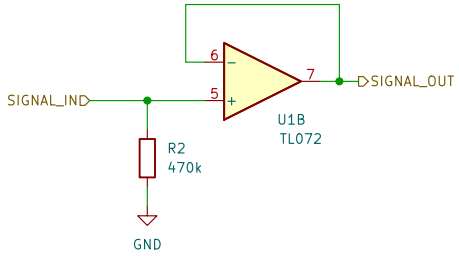
Sheet: /distortion_A/
File: distortion.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg-1-bpo11+1	Id: 4/12



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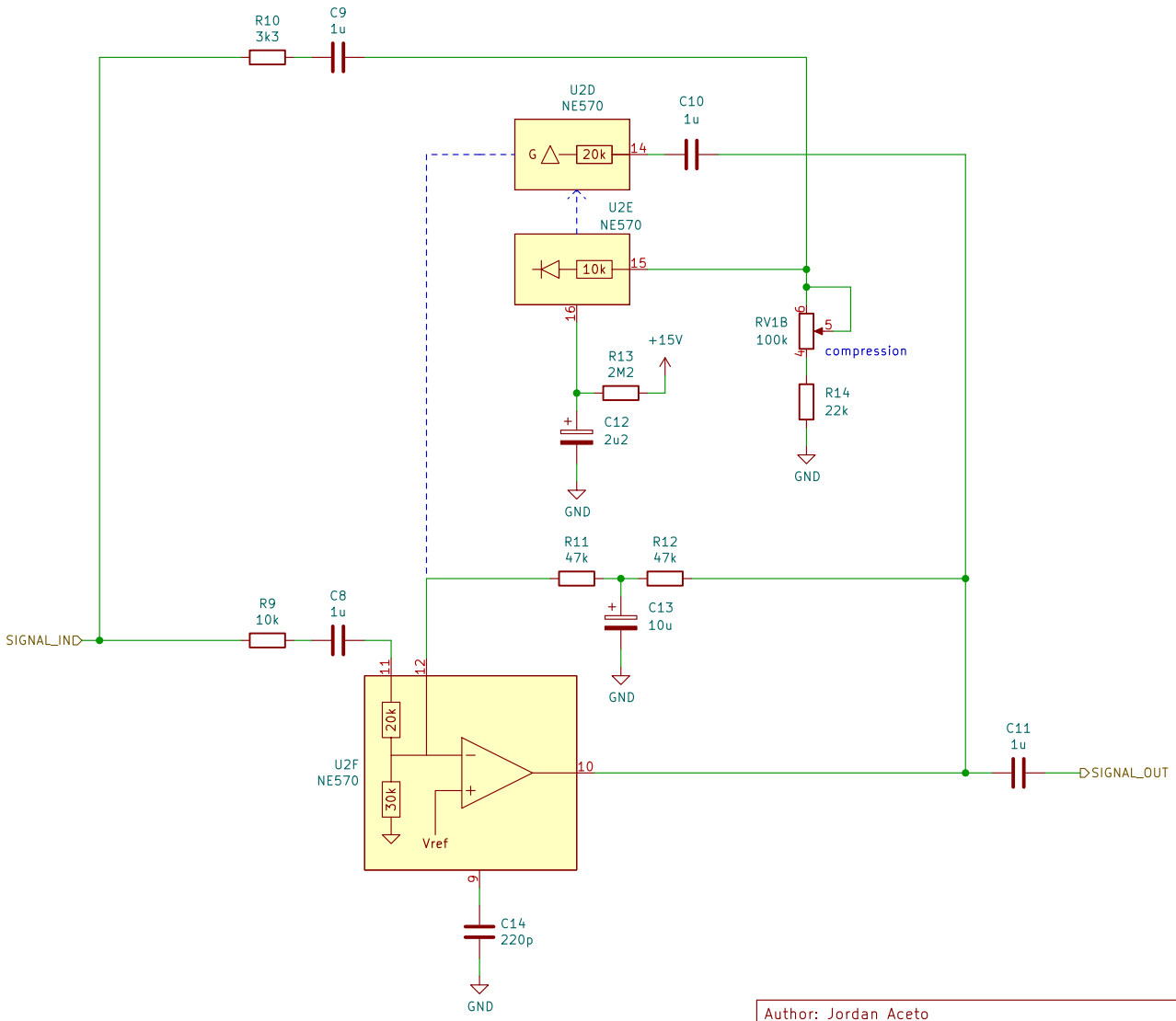
Sheet: /input_buffer_B/
File: input_buffer.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 5/12



Note: the NE570 is obsolete
and hard to find.
Make sure you can get them
before commiting to boards!

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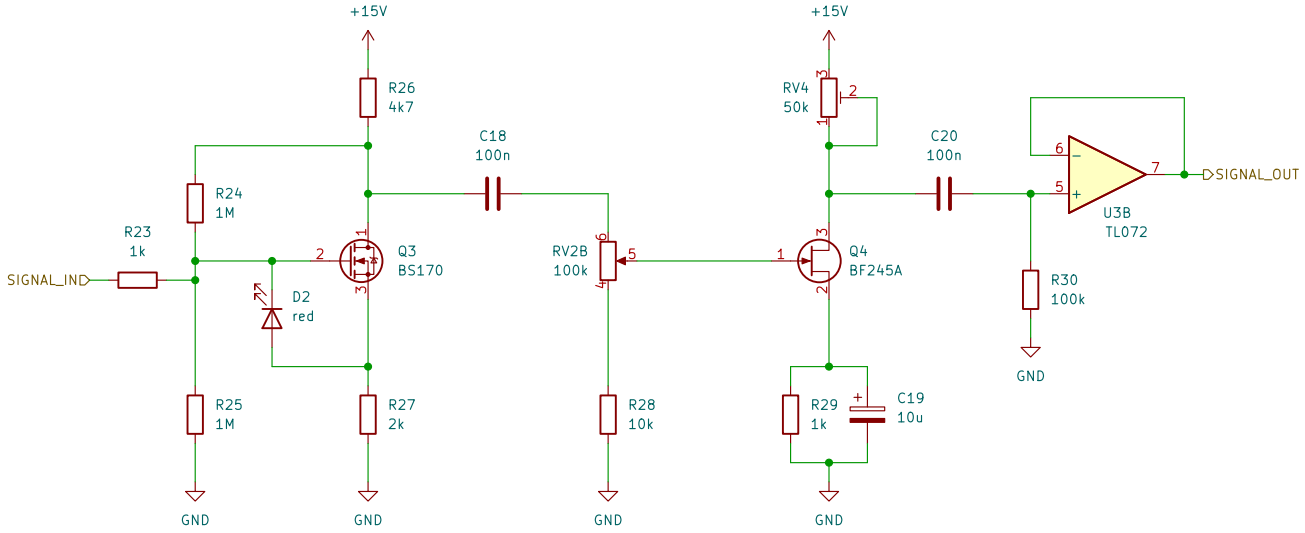
Sheet: /compressor_B/
File: compressor.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1		Id: 6/12



Note: these through-hole FETs are obsolete and hard to find. Make sure you can get them before commiting to boards!

Possible SMD subs:

2N2007 for BS170
MMBF4416 for BF245

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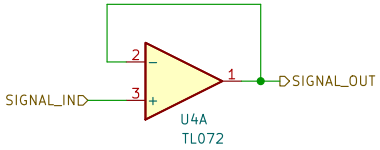
Sheet: /distortion_B/
File: distortion.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1		Id: 7/12



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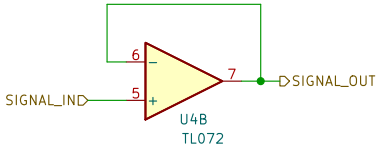
Sheet: /output_buffer_A/
File: output_buffer.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 8/12



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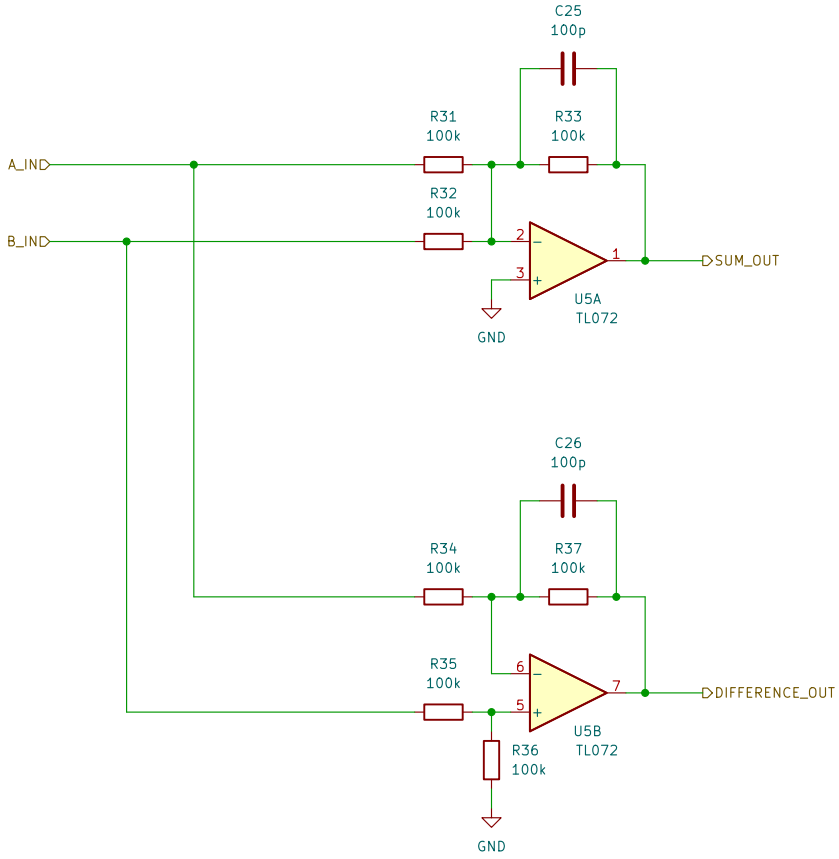
Sheet: /output_buffer_B/
File: output_buffer.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 9/12



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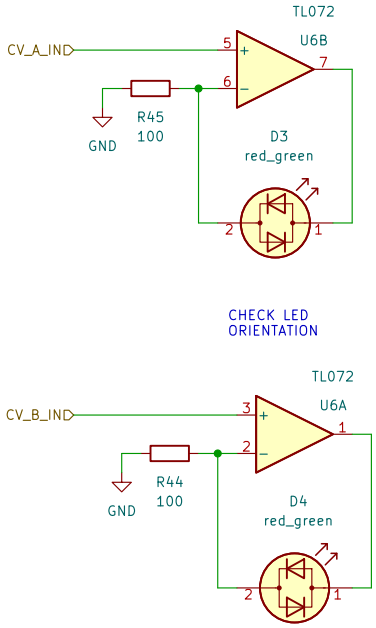
Sheet: /sum_diff_amp/
File: sum_diff_amp.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 10/12



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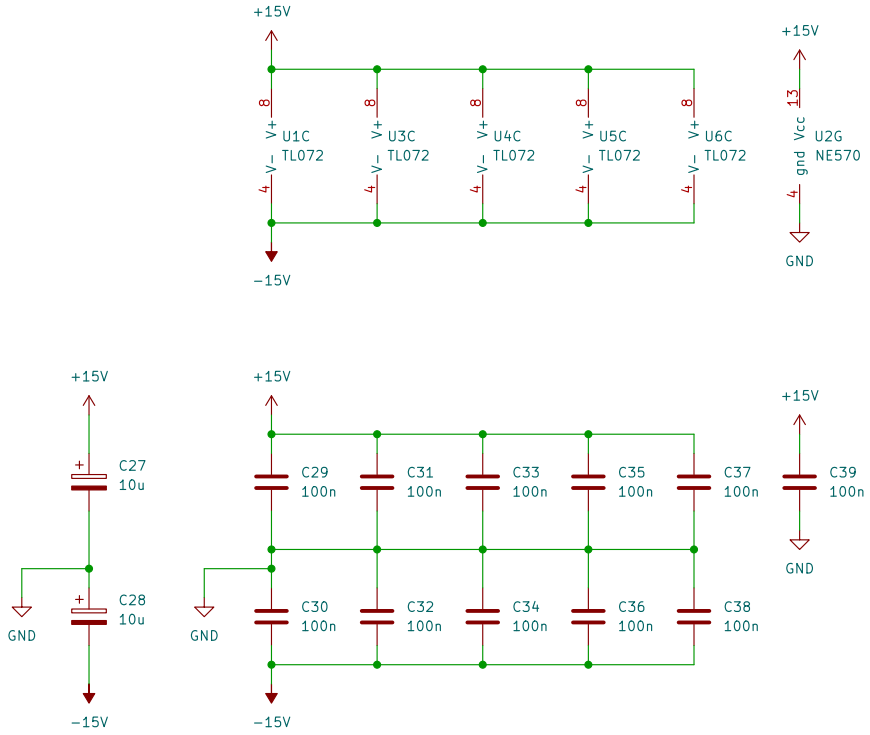
Sheet: /led_drivers/
File: led_drivers.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg-1~bpo11+1	Id: 11/12



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Sheet: /power_pins/
File: power_pins.kicad_sch

Title: M.S.M. Stereo Lowpass Filter Pedal

Size: A4	Date: 2023-04-15	**Rev: 0.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 12/12