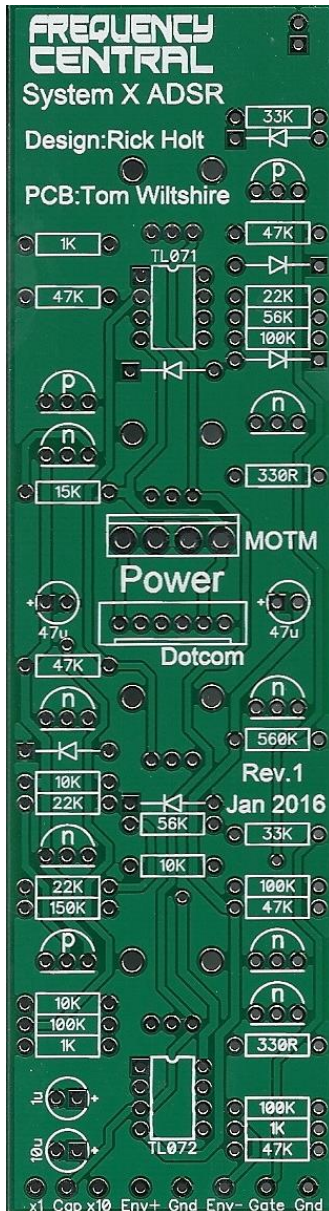


Build document for

FREQUENCY CENTRAL SYSTEM X ADSR

MU version

System X ADSR is based on the Roland System 100m envelope generator. The Eurorack version of this module is well known as the snappiest envelope in Euro. Here we present you with the snappiest envelope in MU!



330R x 2
1K x 3
10K x 3
15K x 1
22K x 3
33K x 2
47K x 5
56K x 2
100K x 4
150K x 1
560K x 1

[All resistors ¼ watt metal film](#)

[Alpha 9mm 100K lin x 1](#)
[Alpha 9mm 500K log x 1](#)
[Alpha 9mm 1M log x 2](#)

[1uF 50V electrolytic x 1](#)
[10uF 35V electrolytic x 1](#)
[47uF 50V electrolytic x 2](#)

[1n4148 x 6](#)
[BC547 x 7](#)
[BC557 x 3](#)
[TL071 x 1](#)
[TL072 x 2](#)

[5mm LED x 1](#)

[SPDT switch x 1](#)
[6.3mm socket x 3](#)
[8 pin IC socket x 2](#)
Power header, MOTM or
Dotcom

Observe correct polarity of diodes and capacitors.

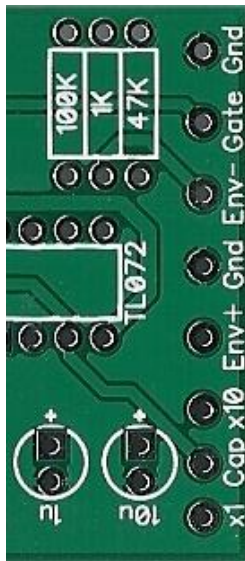
BC547 are marked as 'n' on the PCB. BC557 are marked as 'p' on the PCB. You can use similar transistors, just be sure to observe the correct pinout.

Populate the PCB in this order (lowest profile components first):

- Diodes
- Resistors
- IC sockets
- Transistors
- Capacitors
- Power header

PLEASE NOTE THAT THE PCB's GRAPHIC FOR MOTM HEADER IS THE WRONG WAY AROUND.

Hooking it all up



Gnd: Ground sockets to PCB ground pads

Gate: Connect to gate socket

Env-: is inverted envelope output

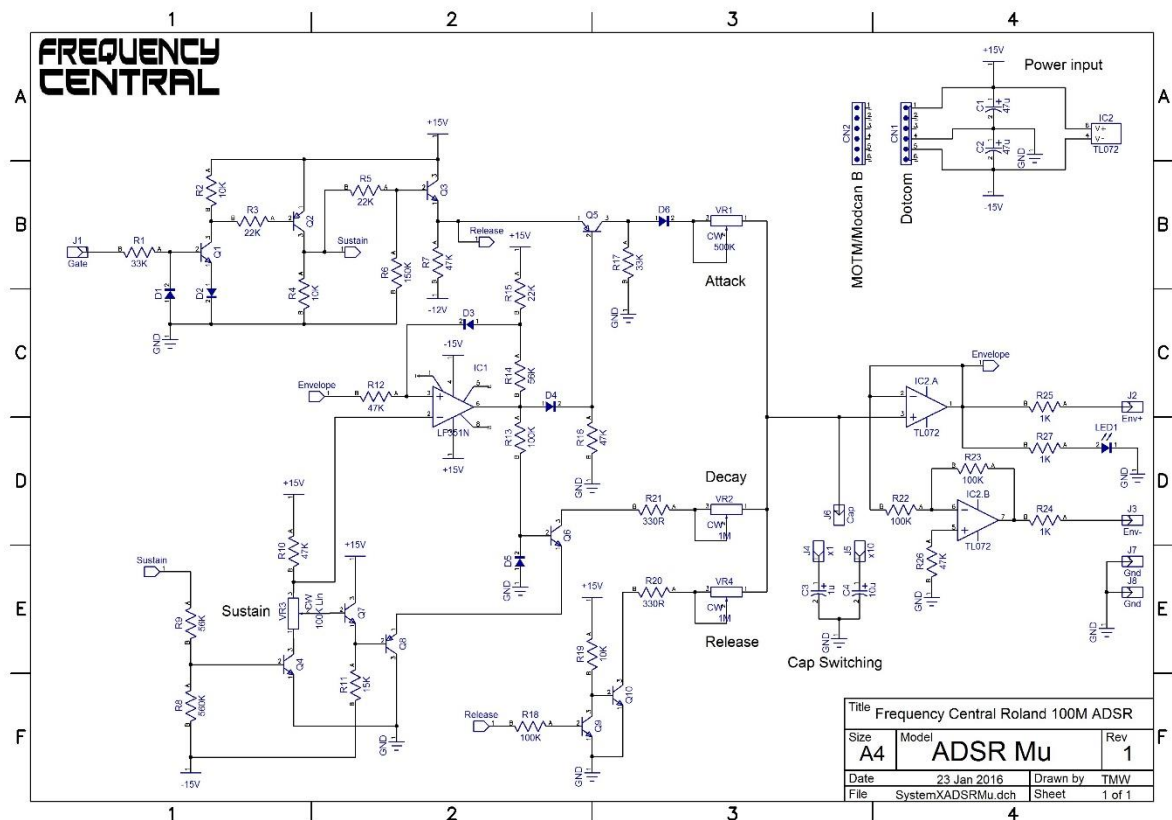
Gnd: Ground sockets to PCB ground pads

Env+: is normal envelope output

x10: Slow response times, connect to upper terminal of SPDT switch

Cap: Connect to middle terminal of SPDT switch

x1: Fast response times, connect to lower pad of SPST switch



RDH 12/08/16