NLC Null-A2 Delay
PT2399 based Delay circuit taken from the Null-A2
https://www.nonlinearcircuits.com/modules/p/arseq

The VC Delay can be used to generate reverb type sounds but can also be pushed into making all sorts of unexpected zipper noises and effects when the Time and Feedback pots are turn high.

cut out board corner

either one

max height: 12.8 cm - 2 * 1 cm > 10.5cm
Eurorack panel height - space for rails

9   9

NULL A2 DELAY

20

16

16

CV

IN

OUT

NLC

TIME   100K

FEED BACK   100K

CV   100K

CV

IN

OUT

5V+

C21 10u
C19 10u
GND

pt2399 U7

PIN 8 = IN
PIN 1 = OUT
PINS 2,3,6,7 = GND
PINS 4,5 NC

100k   R116 1K
delay

C22 100n   100n C23
GND

C29 10u   R117 10k
1n C28
10k R119
15k R120
C26 1n
R121 10k
15k R122
100n C25
10n C27
GND

2k2 R123
C30 10u
R118 10k
100k FEEDBACK
GND
10n C18
GND

100n C24

220k R125
R124 47k   R126 1k
U10   out

cv
R113 22k
V+   GND 100k
BC847 Q26
V+
R115 2K2
D   R

R114 220k
10k* R112   0.5v
47k* R111
GND

100k R109   47k R110
in 1
U10
GND