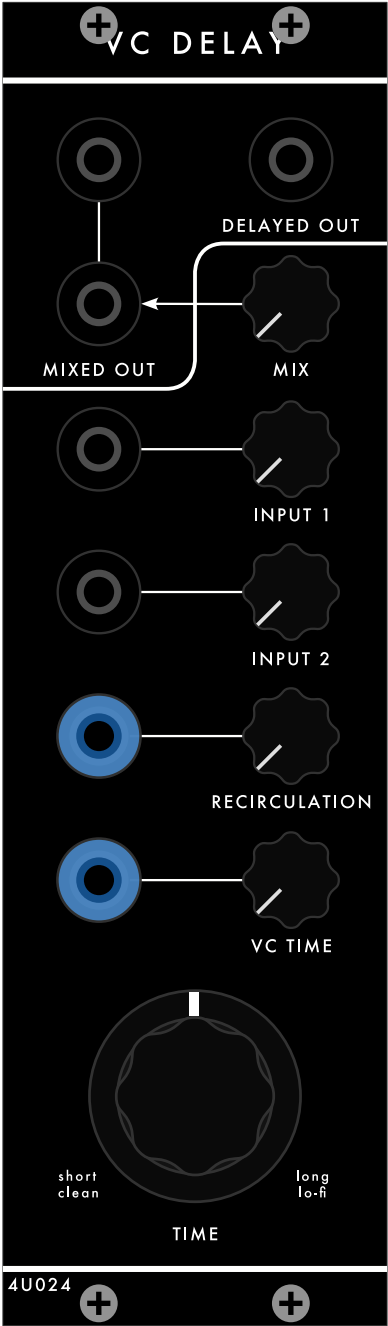


# 4U024 - VCDelay





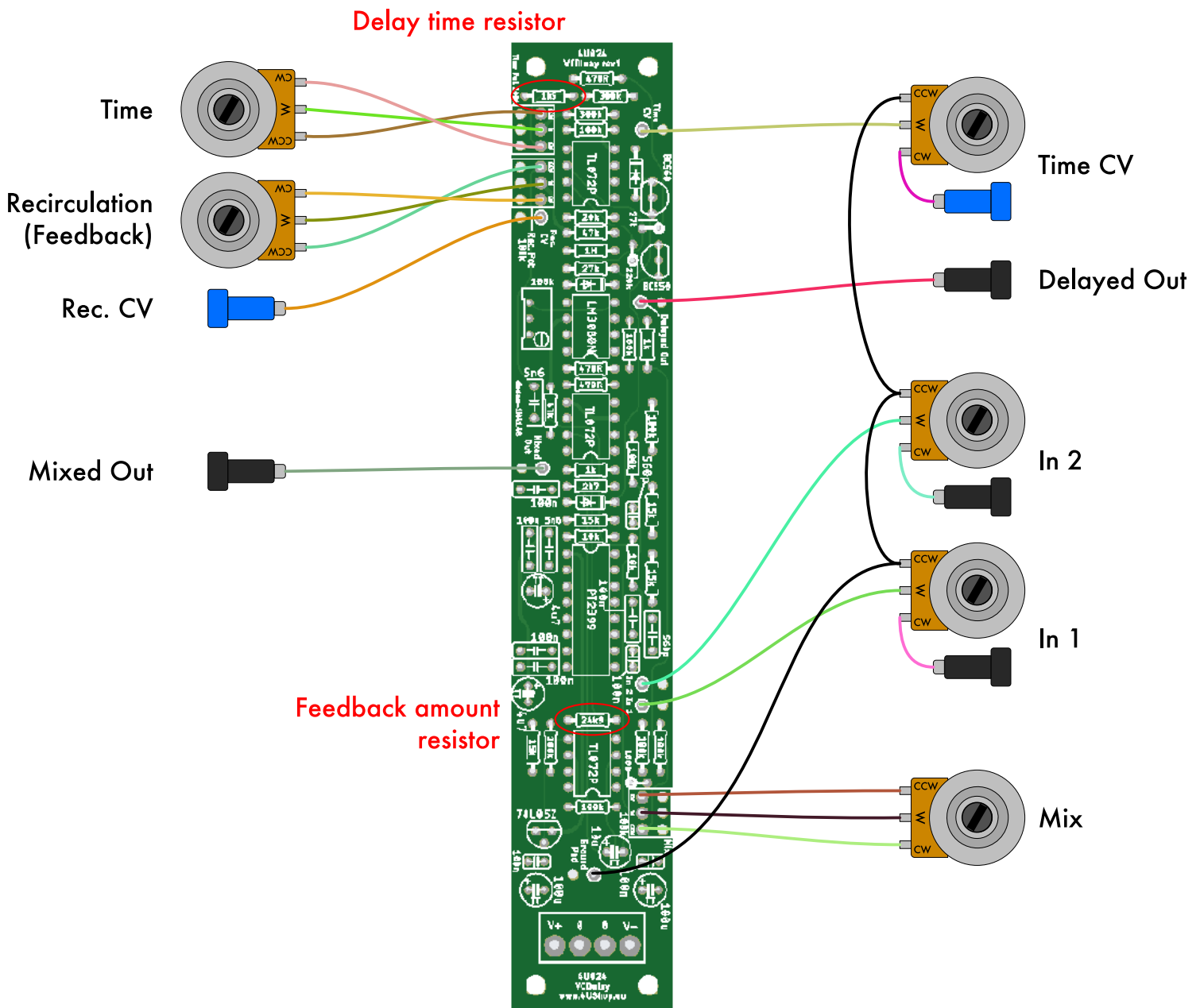
# BOM

4U024 - VCDelay

PT2399 based VC delay, with plenty of modding possibilities

Value, name	Quantity	Remark
<b>Capacitors</b>		
100uF	2	electrolytic, 35V
100nF	8	small footprint ceramic (film can be used)
4u7	2	electrolytic, 35V
10uF	1	electrolytic, 35V
5n6	2	ceramic/film
560pF	2	ceramic
47pF	3	ceramic
<b>Resistors</b>		
470R	3	
1k	2	
1k5	1	
2k7	1	
10k	2	
15k	4	
20k	1	
24k9	1	try using a trimmer instead to finetune the feedback amount
27k	2	
47k	2	
100k	11	
220k	1	
300k	2	
1M	1	
100k pot	4	
10k pot (Time pot)	1	PCB calls for 100k, I've used 10k - it affects the delay time
10k pot (Recirculation pot)	1	PCB calls for 100k, I've used 10k - it affects the feedback
<b>Semiconductors</b>		
1N4148	3	
78L05	1	
TL072	3	
LM3080	1	CA3080 can be used)
PT2399	1	
BC560	1	
BC550	1	
<b>Misc</b>		
banana jack - BLACK	5	
banana jack - BLUE	2	

# Wiring



Delay time and recirculation pots should be around 10k, but feel free to experiment!

The marked resistors could be replaced with trimmers (recommended).  
With the original values and 10k pots, the unit is a "standard" lofi delay, but, it is worth experimenting with feedback amount and delay time!