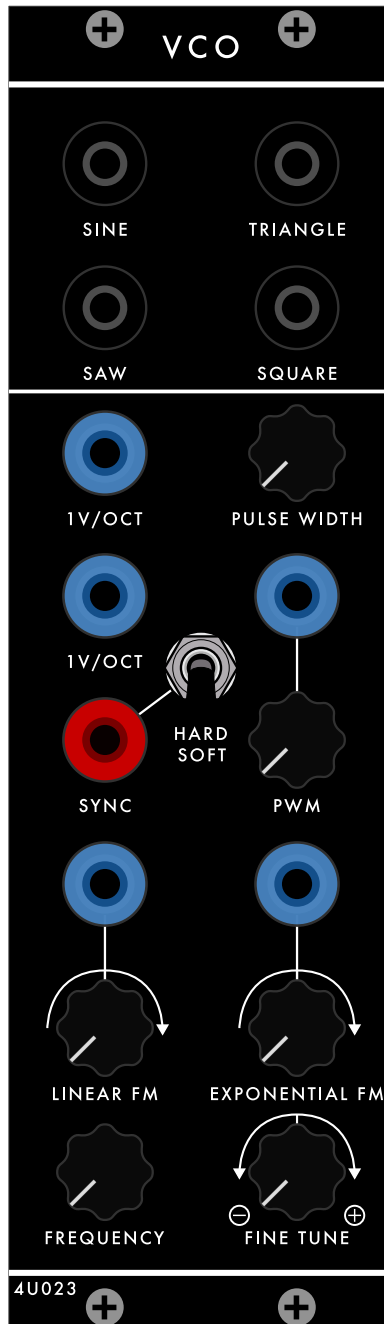


4U023 - VCO



BOM

4U023 - VCO

4U adaptation of the well known Yusynth VCO

Value, name	Quantity	Remark
Capacitors		
100uF	2	electrolytic, 35V
100nF	2	small footprint ceramic
100pF	1	ceramic
220pF	1	ceramic
10pF	1	ceramic
47pF	3	ceramic
Resistors		
1k tempco	1	
1k	4	
1k5	1	
4k7	1	
5k6	1	
7k5	2	
10k	6	
15k	1	
22k	2	
33k	2	
47k	1	
50k	2	
68k or 70k	1	
82k	1	
100k	13	
150k	2	
180k	1	
200k	1	
220k	2	
470k	2	
1M	3	
3M3	1	
T1 trimmer 220k	1	
T2 trimmer 25k	1	
T3 trimmer 10k	1	
T4 trimmer 47k	1	
22k-25k pots	6	
Semiconductors		
1N4148	6	
OPA2137	1	or TL072 for low budget builds
TL074	2	
LM311	1	
2N3819	1	N-Channel FET, original design calls for J112 or J111
BC547	2	matched - or use a compatible matched pair
78L12	1	
79L12	1	
Misc		
SPDT switch	1	for Hard/Soft sync select
banana jack - BLACK	4	
banana jack - BLUE	5	
banana jack - RED or VIOLET	1	for SYNC input - depends on your taste

