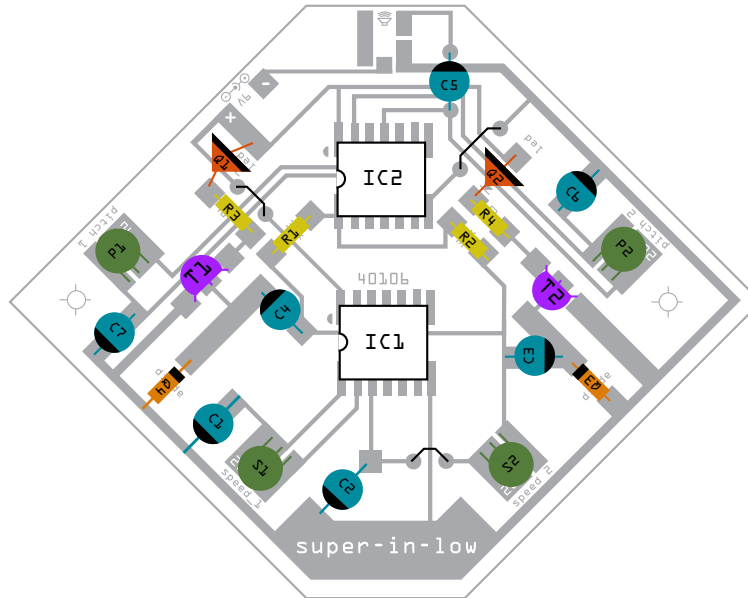


super-in-low
theremidi_orchestra_lfo
matrix for PCB etching

colour:
100% CMYK black



Bill of materials:

2x 33k resistor
2x 200Ω resistor
4x 20k linear potentiometre
1x 47μ electrolyte capacitor
1x 100μ electrolyte capacitor
3x 10μ electrolyte capacitor
2x 1μ electrolyte capacitor
2x led
2x 1N4148 diode
2x 2N3904 transistor
2x chip holder
1x IC40106
1x IC4093
1x 9V battery holder / power supply
1x switch 3.5mm jack out
40cm wire for potentiometres (optional)

Technical requirements:

solder
soldering iron
long-nose plier
diagonal cutting plier
table protection surface
sponge for solder iron tip
solder wick

Layout:

R1 33k	C5 10μ
R2 33k	C6 1μ
R3 200Ω	C7 1μ
R4 200Ω	D1 led
P1 20k	D2 led
P2 20k	Q3 1N4148
S1 20k	Q4 1N4148
S2 20k	T1 2N3904
C1 33μ	T2 2N3904
C2 100μ	IC1 40106
C3 10μ	IC2 4093
C4 10μ	