

## Matrix Mixer BOM – v1 2019

### # Resistors

15	r1, r2, r3, r7, r10, r11, r12, r13, r17, r20, r21, r22, r23, r27, r30	10k	
6	r4, r14, r24, r34, r35, r36 – see below!	10k	alt 3.3k
7	r5, r6, r15, r16, r25, r26, r32	499r	
4	r8, r18, r28, r31	100k	
4	r9, r19, r29, r33	1k	
2	F1, F2	10r	alt Ferrite

### Capacitors

10	c1, c2, c3, c4, c5, c7, c8, c9, c10, c11	100nF	
2	c6, c12	10uF	

### IC

5	u1, u2, u3, u4, u5	LM6172	
5	ic sockets	8pin socket	optional

### Other / hardware

7	Jacks	PJ301M	
12	Pots	B10k vertical	
12	Knobs		
1	eurorack powerheader	10pin shrouded	
1	eurorack powercable	10pin to 16pin	
4	M3 mount screws		

### No MODS:

If you don't want to do mods, link the pointy side (left) and the middle holes of the MOD headers

If you don't want 3x amplification, use 10k for r4, r14, r24, r34, r35, r36

The amplification can make it a bit harder to set the gains to precisely 100%, as it goes to 300% in total

### Yes MODS:

MOD1, MOD2, MOD3 are header points for the Gain mod.

Solder b10k potmeters here to control the gain for each column. Mount them on a separate panel

The 3k3 resistors can be used as amplification for keying and feedback effects

- 3 Dupont or MTA headers, or just wire the pots directly  
make an external panel!

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