

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! | 3k3 | alt 10k |
| 7 | r5, r6, r15, r16, r25, r26, r32 | 499r | |
| 4 | r8, r18, r28, r31 | 100k | |
| 4 | r9, r19, r29, r33 | 1k | |
| 2 | F1, F2 | Ferrite beads | alt 10r |

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 | Thonkiconn | |
| 12 | Pots | B10k vertical | 9mm Alpha |
| 12 | Knobs | GTP6M-13X16-S from TME | |
| 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!

www.reverselandfill.org
martijn@reverselandfill.org