

Max Audio Processor Bill of Materials for rev 510, 520, and 530
 Compiled on 2024-05-20

| Device | Value | Specifics | Count |
|-------------|--------|-----------|-------|
| Capacitors | | | |
| c | 33p | | 8 |
| c | 200p | | 3 |
| c | 470p | | 1 |
| c | .001u | | 14 |
| c | .0015u | mylar | 1 |
| c | .002u | | 2 |
| c | .0047u | mylar | 1 |
| c | .01u | mylar | 2 |
| c | .02u | | 2 |
| c | .047u | mylar | 10 |
| c | .1u | | 39 |
| c | 1u | or 4.7 uf | 1 |
| c | 4.7u | | 6 |
| c | 10u | | 2 |
| c | 22u | | 14 |
| c | 47u | or 22 uf | 3 |
| c | 100u | | 7 |
| c | 3300u | | 4 |
| Diodes | | | |
| d | 1n4007 | | 17 |
| d | 1n914 | | 7 |
| Transistors | | | |
| q | 2n3819 | | 1 |
| q | 2n3904 | | 3 |
| q | 2n3906 | | 9 |

Resistors

| | | |
|---|------|----|
| r | 10 | 4 |
| r | 33 | 1 |
| r | 47 | 8 |
| r | 100 | 9 |
| r | 470 | 6 |
| r | 1k | 10 |
| r | 1.5k | 3 |
| r | 2.2k | 3 |
| r | 2.7k | 2 |
| r | 4.7k | 23 |
| r | 6.8k | 1 |
| r | 10k | 38 |
| r | 15k | 1 |
| r | 20k | 13 |
| r | 27k | 2 |
| r | 33k | 1 |
| r | 47k | 4 |
| r | 100k | 5 |
| r | 470k | 1 |
| r | 1m | 4 |
| r | v100 | 2 |
| r | v1k | 1 |
| r | v10k | 7 |
| r | v25k | 1 |

Integrated Circuits

| | | |
|---|--------|----|
| u | 7805 | 1 |
| u | 7812 | 1 |
| u | 7905 | 1 |
| u | 7912 | 1 |
| u | lm339 | 1 |
| u | max295 | 2 |
| u | ne5532 | 11 |

| | | |
|---|----------|---|
| u | ne555 | 1 |
| u | ssm-2019 | 1 |

Miscellaneous and off-board components

| | |
|----------------------|---|
| Enclosure | 1U Rack, or Small Desktop or Medium Desktop |
| Processor board | rev 520 |
| Power supply bd | rectifier and filter assembly |
| Front Dress Panel | 1U Rack, Small Desktop, Medium Desktop style 1 or style 2 |
| FPI Interface board | 1U rack without pots, 1U rack with pots, Small Desktop, Medium Desktop style 1 or style 2 |
| Power transformer | |
| Fuse and fuse holder | |
| IEC connector/filter | |
| LEDS for panel | 1 yellow, 1 green, 2 blue, three red |
| Panel Pots | 2 or 4 10K log taper, 6 cm shaft diameter |
| Knobs for pots | 2 or 4, 1/2" or 1" diameter, 6 cm shaft diameter |
| Switches | 8 SPDT standard, 2 SPDT center-off (for density and bandwidth) |
| IC Sockets | 15 eight-pin, 1 fourteen pin |
| Audio Connectors | 4 XLR 2 male, 2 female, or 4 1/4" TRS phone jacks |
| Berg Pin Headers | 2 sets 40 straight, 2 sets 40 right-angle, 2 sets, 40 female |
| dupont wires | 6 sets of two, 200 mm M-F for audio in and out interconnects |
| ribbon cable, power | 1 each 4-wide ribbon, connect rect/filter board to main board |
| berg jumpers | 10 each, 2.56 mm push-on insulated jumpers |
| AC Wiring HW | Spade and screw lugs for IEC connector and ground wire |
| M3 HW | 8 screws, 8 washers, 24 nuts for mounting main and power PC boards |
| 4-40 HW | 12 screws, 12 nuts, for mounting power and audio connectors |
| 6-32 HW | 2 screws, 2 washers, 2 lock-nuts for mounting power transformer |