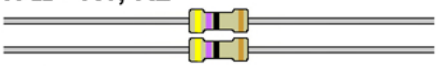
Sound Study Air WAV Visual Bill of Materials

Resistors

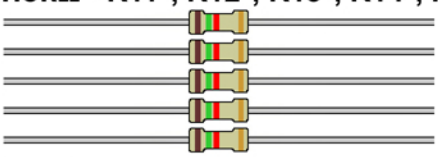
47Ω - R1, R2



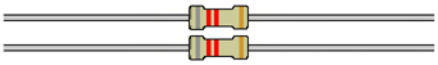
220Ω - R17*, R18*

1kΩ - R7

1.5kΩ - R11*, R12*, R13*, R14*, R15*



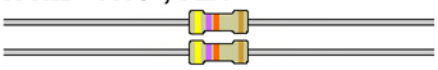
8.2kΩ - R3, R4



10kΩ - R8*

22kΩ - R9*, R20*

47kΩ - R10*, R21*



100kΩ - R19*

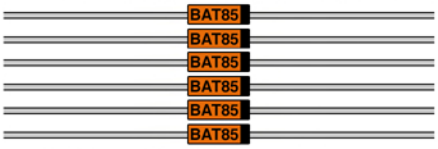
330kΩ - R5

Total=19

Diodes

3mm Red LED - LED1*, LED2*, LED3*, LED4*, LED5*

BAT85S - D1, D2, D3, D4, D7*, D8*



1N4002 - D5, D6

Total = 13

Capacitors

1nF Ceramic - C1, C4

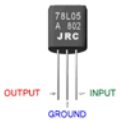
100nF Ceramic - C2, C3, C5, C8

10uF Electrolytic - C6, C7

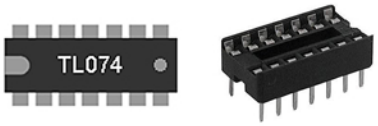
Total = 8

Integrated Circuits

LM78L05 - IC1



TL074 & 14 Pin Socket - IC4



Total = 3

Potentiometers

B50kΩ Vertical PCB Mount - TIME-POT*, CHANNEL-POT*

B50kΩ small box Trimmer - OUTPUT VOLUME

Total = 3

Jacks / Switches / Button

3.5mm Mono PJ-301BM-12 Vertical Jack - RESET-CV*, TIME-CV*, OUTPUT*, CHANNEL-CV*

Vertical SD Card Holder - X1

4-Pin Push Button - RESET*

Total = 6

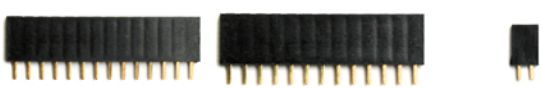
Headers / Sockets

11x1 Male - JP2* **7x1 Male - JP4***

11x1 Socket - JP1 **7x1 Socket - JP3**

Teensy Sockets - See Assembly Instructions

14x1 Socket **13x1 Socket** **2x1 Socket**



Total = 7

* Component is on Control Board

Sound Study Air WAV Visual Bill of Materials

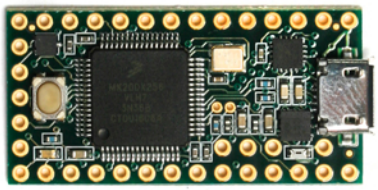
Other

BL01RNA Ferrite Bead - L1, L2

200mA Resettable Fuse - F1, F2

5x2 Power Header - POWER

Teensy 3.0, 3.1 OR 3.2*



Teensy Headers

13x1 Header

14x1 Header

2x1 Header

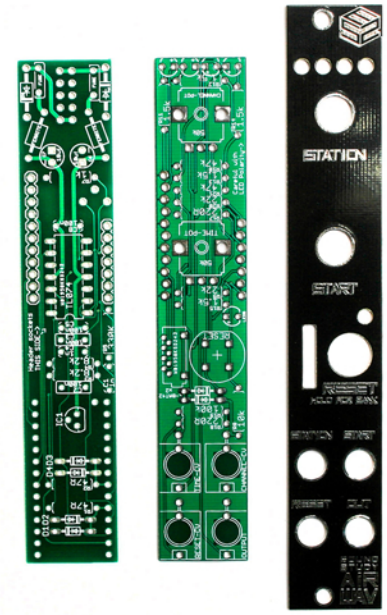
10 - 16 Pin Power Cable

2.5x6mm Screws

3x6mm Screws

Total = 14

PCB/Panel



*** Any of the Teensy 3.X series will work.**