

## Resistors:

| QTY | Value    | Ref.               | Mouser Part #    |
|-----|----------|--------------------|------------------|
| 2   | 68Ω 1%   | R6, R7             | 660-MF1/4DC68R0F |
| 5   | 220Ω 1%  | R1, R2, R3, R4, R5 | 660-MF1/4DC2200F |
| 1   | 2.2kΩ 1% | R8                 | 660-MF1/4DC2201F |
| 1   | 10kΩ 1%  | R9                 | 660-MF1/4DC1002F |

TOTAL: 9

## Diodes:

| QTY | Value            | Ref.   | Mouser Part #     |
|-----|------------------|--------|-------------------|
| 2   | 3.6v Zener Diode | D1, D2 | 771-BZX79-B3V6113 |
| 1   | 5mm Green LED    | LED1   | 604-WP7113GD      |

TOTAL: 3

## Capacitors:

| QTY | Value              | Ref.   | Mouser Part #        |
|-----|--------------------|--------|----------------------|
| 2   | 22pf Ceramic       | C2, C3 | 140-50N5-220J-RC     |
| 2   | .1μF Ceramic       | C1, C5 | 140-50V5-104Z-RC     |
| 1   | 100μF Electrolytic | C4     | 140-RGA101M1EBK0611G |

TOTAL: 5

## Integrated Circuits:

| QTY | Value             | Ref. | Mouser Part #    |
|-----|-------------------|------|------------------|
| 1   | 8 Pin DIP Socket  | IC2  | 571-1-2199298-2  |
| 1   | 14 Pin DIP Socket | IC1  | 571-1-2199298-3  |
| 1   | MCP4822           | IC2  | 579-MCP4822-E/P  |
| 1   | ATTINY84          | IC1  | 556-ATTINY84A-PU |

TOTAL: 4

## Jacks:

| QTY | Value                       | Ref.                     | Digikey Part # |
|-----|-----------------------------|--------------------------|----------------|
| 4   | 3.5mm Mono Right Angle Jack | CV1, CV2, GATE 1, GATE 2 | CP-3536-ND     |
| 1   | Right angle USB 'B' Jack    | USB                      | ED2982-ND      |

TOTAL: 5

## Other:

## Sound Study Modular Midi 2 CV

Updated: 7.29.2016

| QTY | Value                   | Ref. | Mouser Part #     |
|-----|-------------------------|------|-------------------|
| 1   | 20Mhz Crystal           | Q1   | 815-ABL-20-B2     |
| 1   | 22 $\mu$ H Inductor     | L1   | 434-SMCCN-220J-01 |
| 1   | PCB/Panel               | N/A  | N/A               |
| 2   | 2.5mm x 6mm Rail Screws | N/A  | N/A               |
| 2   | 3.0mm x 6mm Rail Screws | N/A  | N/A               |

TOTAL: 7