

# Synthrotek DSM Visual Bill of Materials / Parts List

## Resistors

1Ω - R3, R4



22Ω - R11



220Ω - R37, R38



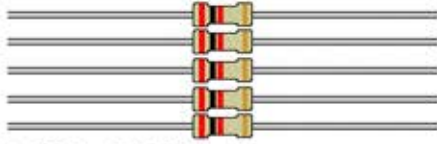
390Ω - R34, R44



1kΩ - R10, R25



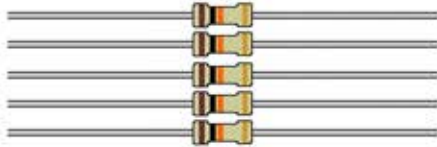
2kΩ - R12, R26, R27, R28, R42



8.2kΩ - R31



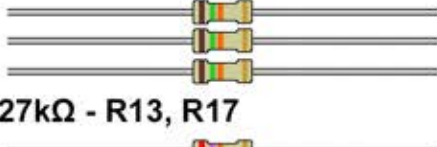
10kΩ - R5, R8, R9, R18, R29



12kΩ - R39



15kΩ - R20, R24, R36



27kΩ - R13, R17



33kΩ - R40, R41



39kΩ - R14, R35



68kΩ - R1



100kΩ - R6, R7, R15



130kΩ - R16



470kΩ - R19, R30, R33



510kΩ - R21



1MΩ - R22



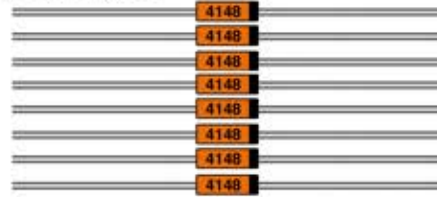
1.5MΩ - R23



Total - 41

## Diodes

1N4148 - D1, D2, D3, D4, D5, D6, D7, D8



3mm LED - LED2



Total - 9

## Capacitors

22pF - C14



100pF - C12



4.7nF - C11



10nF - C15



100nF - C3, C4, C8



220nF - C6, C10



10μF - C9



10μF Electrolytic - C1, C2



2.2μF Electrolytic - C5



4.7μF Electrolytic - C7



Total - 14

## Transistors

2N3904 - Q2



2N3906 - Q1, Q3, Q4



Total - 4

## Integrated Circuits

LM13700D - U4



LM324N - U1, U3, U5



16 Pin DIP socket - U4



14 Pin DIP Socket- U1, U3, U5



## Potentiometers

1kΩ Linear Trim Pot - R32



100Ω Multi-Turn Trim Pot - R43



50kΩ Audio Vertical Mount Pot - R6



50kΩ Linear Vertical Mount Pot - R1, R2, R4, R5



500kΩ Linear Vertical Mount Pot - R3, R7



Total - 9

## Switches

SPDT - ON/OFF/ON



## Misc

Standoff (11mm)



2x 2.5mm Screws



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## Jacks / Connectors

5-pin Female Header - J4, J5, J6, J7



5-pin Male Header - J4, J5, J6, J7



10-pin Shrouded Header - J1



3.5mm Vertical Mount Mono Jack - J1, J2, J3



10 to 16 pin Eurorack Power Connector



## Knobs



2.5mm Screws



3mm Screws



NO POPs

R2

## PCB and Panels

