

Erica Synths Swamp Bill of Materials

Please note: This BOM may differ slightly from the Erica Synths BOM or schematic on Github. We have made a few small improvements on some circuits. Where there is a discrepancy, please use this BOM.

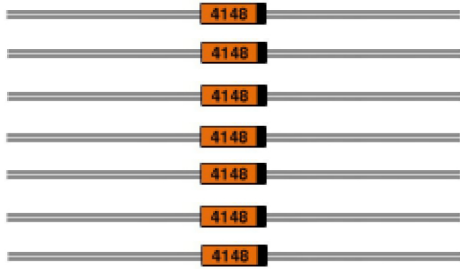
Assembly guide can be found here: github.com/erica-synths/diy-eurorack

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LOGIC BOARD

DIODES

1N4148: VD11, VD12, VD13, VD18, VD19, VD20, VD21



Total: 7

RESISTORS (1/4 Watt, 5%)

560: R29



4.7k: R70



5.6k: R25



6.8k: R43



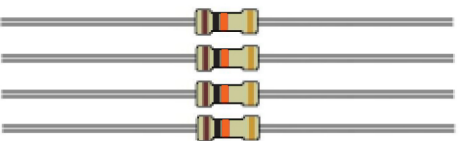
7.5k: R44



8.2k: R52

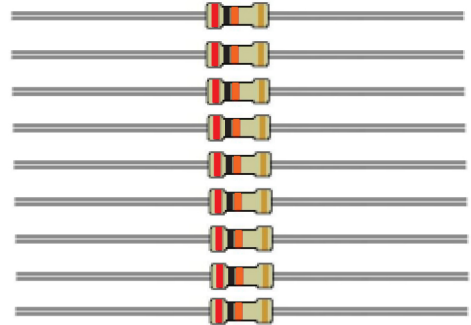


10k: R28, R31, R36, R49

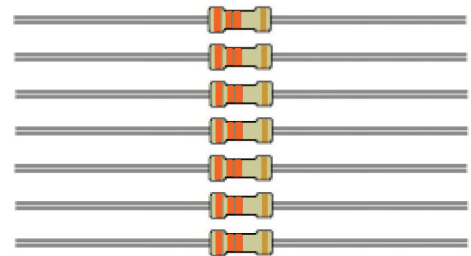


RESISTORS (1/4 Watt, 5%)

20k: R18, R23, R26, R42, R47, R54, R59, R60, R61



33k: R37, R46, R55, R62, R63, R67, R68



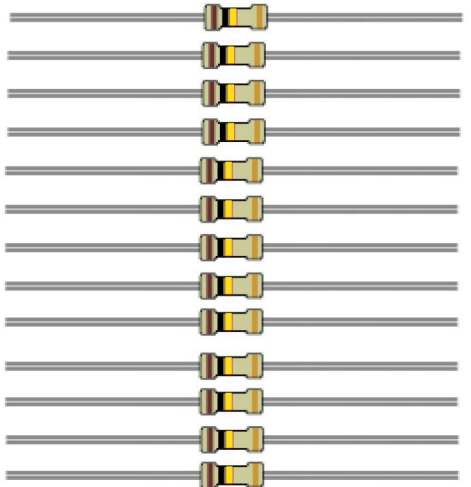
47k: R27



82k: R41



100k: R16, R17, R30, R34, R45, R48, R57, R64, R65, R75, R78, R79, R80

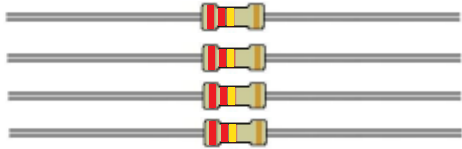


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LOGIC BOARD

RESISTORS (1/4 Watt, 5%)

220k: R19, R21, R32, R39



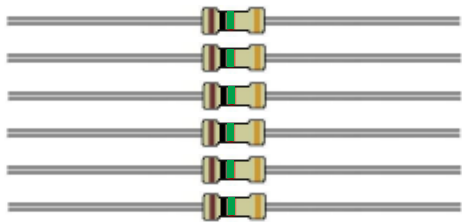
330k: R33



470k: R20



1M: R22, R24, R50, R53, R56, R58



10M: R69



Total: 54

INTEGRATED CIRCUITS & SOCKETS

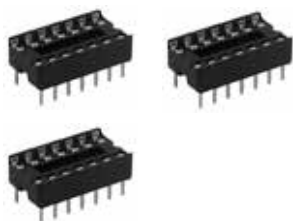
8 Pin Dip Socket: DD1



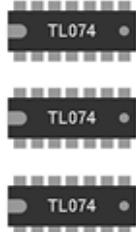
LM555



14 Pin Dip Socket: DA5-DA7



TL074

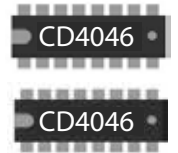


INTEGRATED CIRCUITS & SOCKETS

16 Pin Dip Socket: DA16



CD4046



1100CK2 (A or B): DA7



Total: 13

CAPACITORS

1 μ F Electrolytic: C18, C22



2.2 μ F Electrolytic: C27



3.3 μ F Non-Polarized Electrolytic: C20



10 μ F Electrolytic: C29, C30, C31



22nF Film: C25



1nF Ceramic: C16



47nF Ceramic: C24, C26

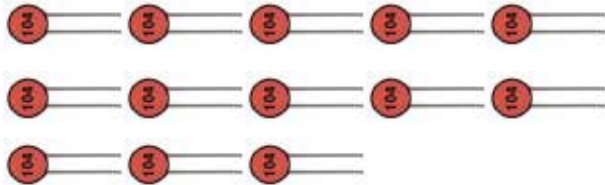


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LOGIC BOARD

CAPACITORS

0.1 μ F Ceramic: C8-C15, C17, C21, C23, C28, C32



Total: 24

TRANSISTORS

2N3904: VT2, VT3



2N3906: VT1



Total: 3

OPTOCOUPLER

VTL5C3: VC1-VC3



Total: 3

CONNECTORS

3 Pin Header & 2 Pin Jumper: JP1



1x20 Pin Header : XP2, XP3

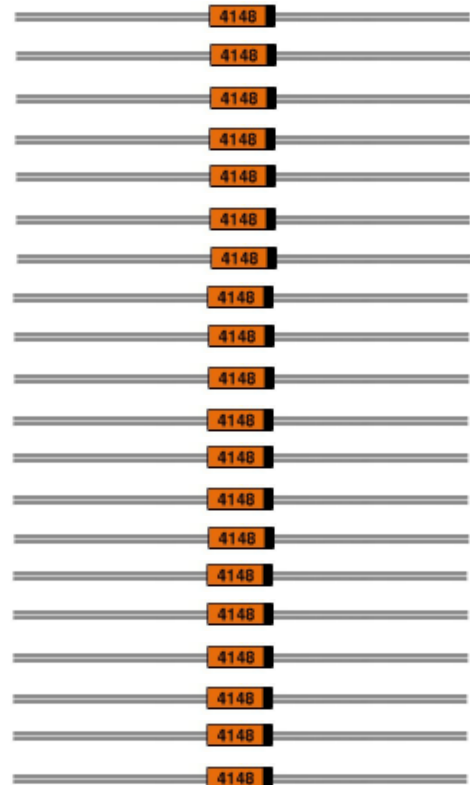


Total: 4

CONTROL BOARD

DIODES

1N4148: VD5-VD10, VD14-VD17, VD22-VD31



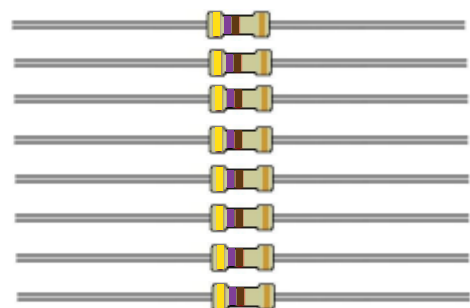
1N4001: VD3, VD4



Total: 22

RESISTORS (1/4 Watt, 5%)

470: R35, R38, R51, R66, R85-R88

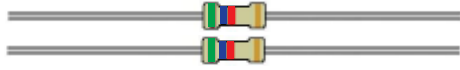


Erica Synths Swamp Bill of Materials

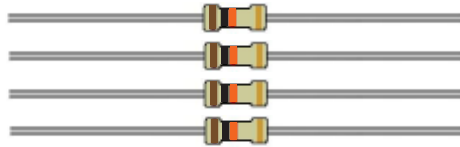
CONTROL BOARD

RESISTORS (1/4 Watt, 5%)

5.6k: R93, R94



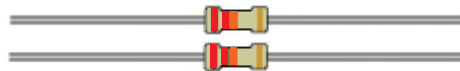
10k: R7-R9, R15



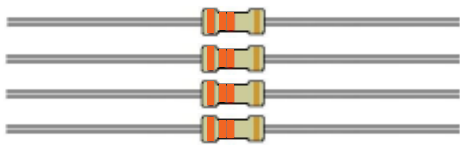
20k: R10



22k: R90, R92



33k: R71-R74



43k: R95



47k: R40



100k: R12, R13, R76, R77, R81-R84, R89, R91



220k: R11



Total: 34

INDUCTORS

Ferrite Bead: L1, L2



Total: 2

INTEGRATED CIRCUITS & SOCKETS

14 Pin Dip Socket: DA1



TL074



Total: 2

FUSES

400mA Resettable Fuse: VR1, VR2



Total: 2

CAPACITORS

47nF Ceramic: C19



0.1µF Ceramic: C1, C4-C7



47µF Electrolytic: C2, C3



Total: 8

Erica Synths Swamp Bill of Materials

CONTROL BOARD

TRANSISTORS

2N3904: VT4, VT5



Total: 2

DIODES

3mm Yellow LED: VD1, VD2



Total: 2

CONNECTORS

10 Pin Shrouded Header: XP1



1x20 Pin Socket : XP2, XP3



Total: 3

SWITCHES

SPDT Sub-Mini ON/OFF/ON: SW1, SW2



Total: 2

JACKS

3.5mm Mono Jacks: XS1-XS10



Total: 10

POTENTIOMETERS

B100k Vertical Mount: R1, R5, R6



B1M Vertical Mount: R2-R4



Total: 6

OTHER

HARDWARE

2.5mm Screws



3mm Screws



Erica Synths Swamp Bill of Materials

OTHER

HARDWARE

11mm Standoff



Total: 11

KNOBS

19mm Small Black Knob



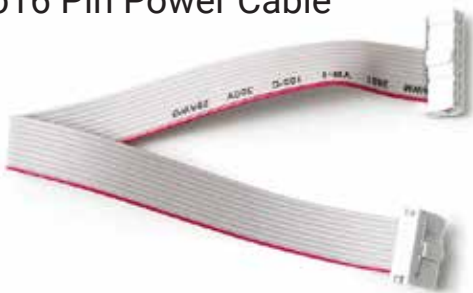
24mm Medium Black Knob



Total: 6

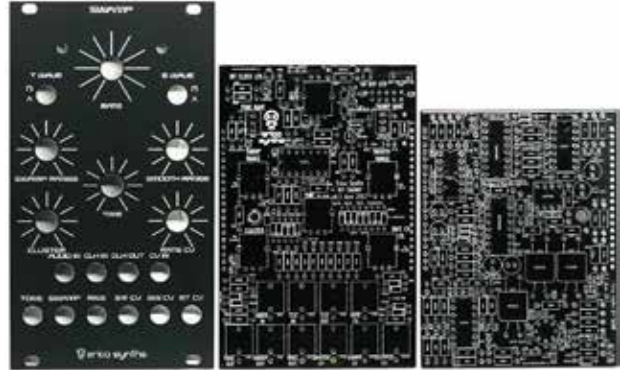
POWER CABLES

10 to 16 Pin Power Cable



Total: 1

PCB & PANEL



Total: 3