

Erica Synths Modulator II Bill of Materials

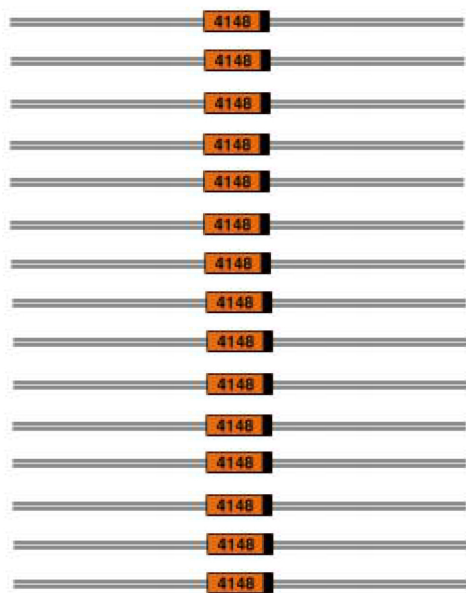
Please note: This BOM may differ slightly from the Erica Synths BOM or schematic on Github. We have made a few small improvements on some circuits. Where there is a discrepancy, please use this BOM.

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

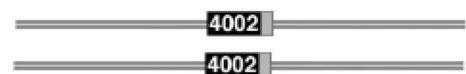
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DIODES

1N4148: VD2, VD5-VD18



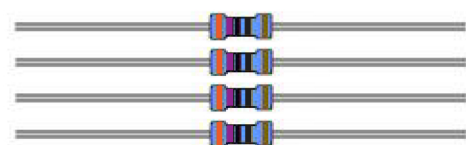
1N4001 or 1N4002: VD3, VD4



Total: 17

RESISTORS (1/4 Watt, 1%)

470Ω: R17, R18, R40, R41



1k: R25



2.2k: R6, R13

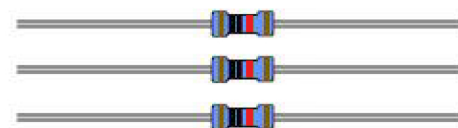


RESISTORS (1/4 Watt, 1%)

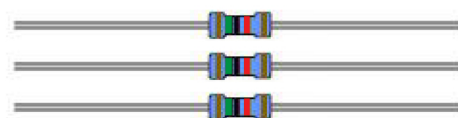
5.6k: R2



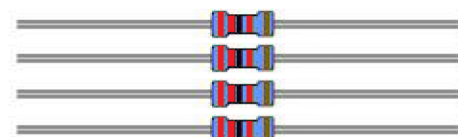
10k: R11, R15, R33



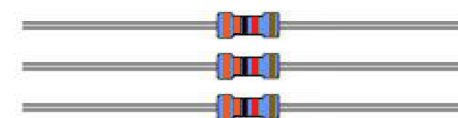
15k: R3, R5, R8



22k: R7, R28*, R31, R37



33k: R24, R36, R38



68k: R39



100k: R4, R10, R14, R21, R29



220k: R9



Total: 28

*Stand-Up Resistor

Erica Synths Modulator II Bill of Materials

INDUCTORS

Ferrite Bead: L1, L2



Total: 2

CAPACITORS

0.1 μ F Ceramic: C4, C5, C8, C9, C12, C13, C17



Total: 13

INTEGRATED CIRCUITS & SOCKETS

14 Pin Dip Socket: DA1



TL074



Alpha 1100CK2: DA3



Total: 3

FUSES

400mA Resettable Fuse: VR1, VR2



Total: 2

CAPACITORS

22nF Film: C22



33 μ F 25V Electrolytic: C1



47 μ F 25V Electrolytic: C2, C3



47pF Ceramic: C20



330pF Ceramic: C15



CONNECTORS

1x4 Socket: XS7, XS8



10 Pin Shrouded Header: XP1



Total: 3

VOLTAGE REGULATORS

2N3904: VT1, VT3



Total: 2

Erica Synths Modulator II Bill of Materials

DIODES

3mm Red LED: VD1



Total: 1

OTHER

KNOBS

19mm Black Knob



Total: 1

JACKS

3.5mm Mono Jacks: XS1-XS6



Total: 6

POWER CABLES

10 to 16 Pin Power Cable



Total: 1

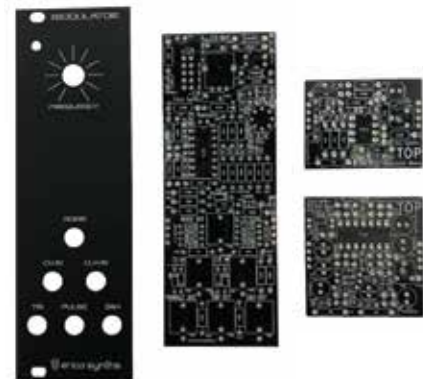
POTENTIOMETERS

B100k-B250k Vertical Solid Shaft: R1



Total: 1

PCB & PANEL



Total: 4

OTHER

HARDWARE

2.5mm Screws



3mm Screws



Total: 4

Erica Synths Modulator II Acid Board

Bill of Materials

DIODES

1N4148: VD20-VD23



6.2V Zener: VD19



Total: 5

INDUCTORS

Ferrite Bead: L3, L4



Total: 2

INTEGRATED CIRCUITS & SOCKETS

14 Pin Dip Socket: DA1



TL074



Total: 2

CAPACITORS

22nF Film: C26



10µF 16V Electrolytic: C16, C21



0.1µF Ceramic: C6, C7, C10, C11



10µF 35V Non-Polarized Electrolytic: C23



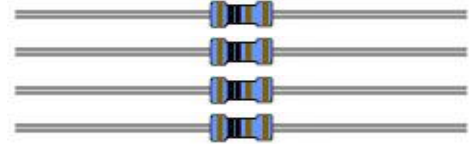
47µF 16V Electrolytic: C14, C19



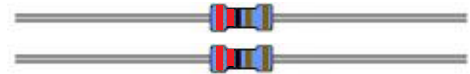
Total: 12

RESISTORS (1/4 Watt, 1%)- All Stand-Up

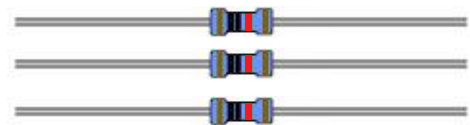
1k: R26, R27, R46, R48



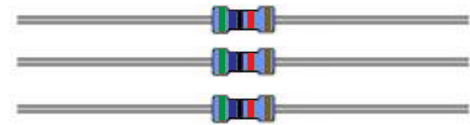
2.2k: R42, R43



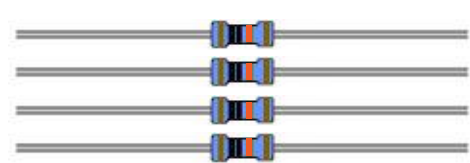
10k: R12, R20, R49



56k: R22, R23, R47



100k: R16, R19, R30, R32



220k: R44, R45



Total: 18

CONNECTORS

1x4 Header: XP2, XP3



Total: 2

POTENTIOMETERS

10k Single Turn Trim: R35



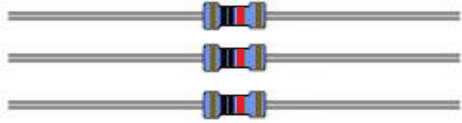
Total: 1

Erica Synths Modulator II Noise Board

Bill of Materials

RESISTORS (1/4 Watt, 1%)

10k: R19, R22, R27



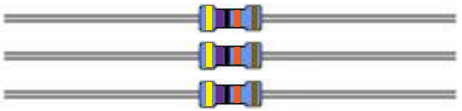
56k: R30



220k: R32



470k: R12, R16, R23



2M: R20



Total: 9

INDUCTORS

Ferrite Bead: L3, L4



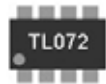
Total: 2

INTEGRATED CIRCUITS & SOCKETS

8 Pin Dip Socket: DA2



TL072



Total: 2

CAPACITORS

22nF Film: C21



1 μ F 25V Electrolytic: C14



CAPACITORS

10pF Ceramic: C18



0.1 μ F Ceramic: C6, C7, C10, C11, C16, C19



Total: 7

VOLTAGE REGULATORS

2N3904: VT2



Total: 1

CONNECTORS

1x4 Header: XP2, XP3



Total: 2

POTENTIOMETERS

500k Single Turn Trim: R35



Total: 1