C1 = 1 x 220µ TH RM2.5/6.3
C10,C18 = 2 x 47p SMD 0805
C11,C26 = 2 x 6µ8 MKT RM5
C15,C23 = 4 x 1n SMD 0805
C16, C24 = 2 x 470p SMD 0805
C2,C4,C7,C13 = 4 x 100n SMD 0805
C3,C19,C25 = 2 x 10µ TH RM2.5/5
C3 = 1 x 47µ 16V TH RM2.5/5
C5,C12 = 2 x 0.1µ MKT
C6,C20 = 2 x 100p SMD 0805
C8,C14,C21,C22 = 4 x 1µ MKT RM5
C9,C17 = 2 x 3.3n SMD 0805

D1 = 1 x 1N5817
D2 = 1 x LED Red 3mm

IC1,IC2 = 2 x TL074

J3 = 1 x DC 5.5/2.1mm PCB
J1,J2 = 2 x CLIFF stacked TRS
J4,J5 = 2 x 3x1 RM2.54mm header pin
J6 = 1x 2x5 RM2.54mm header pin

L1,L2,L3,L4 = 4 x Ferrite Bead SMD 0805

P2 = 1 x 10k Lin dual ALPHA 11mm
P1,P3 = 2 x 100k Lin dual ALPHA 11mm

R1,R6,R7,R17,
R37 = 5 x 10k SMD 0805
R10,R12,R20,
R21,R30,R32 = 6 x 22k SMD 0805
R11,R22,R29,
R39,R40,R41 = 6 x 100k SMD 0805
R13,R33 = 2 x 1k8 SMD 0805
R14,R15,R24,
R25,R26,R27,
R34,R35 = 8 x 15k SMD 0805
R2,R3,R4,R5,R8,
R16,R18,R23,
R31,R36 = 10 x 1k SMD 0805
R28,R38 v = 2 x 470R SMD 0805
R9,R19 = 2 x 1M SMD 0805

SW1 = 1 x mini DPDT toggle

RESISTORS:

R1 = 10k (SMD 1% 0805 0.125W)
R2 = 1k (SMD 1% 0805 0.125W)
R3 = 1k (SMD 1% 0805 0.125W)
R4 = 1k (SMD 1% 0805 0.125W)
R5 = 1k (SMD 1% 0805 0.125W)
R6 = 10k (SMD 1% 0805 0.125W)
R7 = 10k (SMD 1% 0805 0.125W)
R8 = 1k (SMD 1% 0805 0.125W)
R9 = 1M (SMD 1% 0805 0.125W)
R10 = 22k (SMD 1% 0805 0.125W)
R11 = 100k (SMD 1% 0805 0.125W)
R12 = 22k (SMD 1% 0805 0.125W)
R13 = 1k8 (SMD 1% 0805 0.125W)
R14 = 15k (SMD 1% 0805 0.125W)
R15 = 15k (SMD 1% 0805 0.125W)
R16 = 1k (SMD 1% 0805 0.125W)
R17 = 10k (SMD 1% 0805 0.125W)
R18 = 1k (SMD 1% 0805 0.125W)
R19 = 1M (SMD 1% 0805 0.125W)
R20 = 22k (SMD 1% 0805 0.125W)
R21 = 22k (SMD 1% 0805 0.125W)
R22 = 100k (SMD 1% 0805 0.125W)
R23 = 1k (SMD 1% 0805 0.125W)
R24 = 15k (SMD 1% 0805 0.125W)
R25 = 15k (SMD 1% 0805 0.125W)
R26 = 15k (SMD 1% 0805 0.125W)
R27 = 15k (SMD 1% 0805 0.125W)
R28 = 470R (SMD 1% 0805 0.125W)
R29 = 100k (SMD 1% 0805 0.125W)
R30 = 22k (SMD 1% 0805 0.125W)
R31 = 1k (SMD 1% 0805 0.125W)
R32 = 22k (SMD 1% 0805 0.125W)
R33 = 1k8 (SMD 1% 0805 0.125W)
R34 = 15k (SMD 1% 0805 0.125W)
R35 = 15k (SMD 1% 0805 0.125W)
R36 = 1k (SMD 1% 0805 0.125W)
R37 = 10k (SMD 1% 0805 0.125W)
R38 = 470R (SMD 1% 0805 0.125W)
R39 = 100k (SMD 1% 0805 0.125W)
R40 = 100k (SMD 1% 0805 0.125W)
R41 = 100k (SMD 1% 0805 0.125W)

POTS:

P1 = 100k Lin (Alpha PCB 11mm stereo)
P2 = 10kLin (Alpha PCB 11mm stereo)
P3 = 100k Lin (Alpha PCB 11mm stereo)

CAPACITORS:

C1 = 220µ (25V RM2.5/6.3mm)
C2 = 100n (SMD 0805 50V)
C3 = 10µ (50V RM2.5/5mm)
C4 = 100n (SMD 0805 50V)
C5 = 0.1µ (MKT 63V RM5)
C6 = 100p (SMD 0805 50V)
C7 = 100n (SMD 0805 50V)
C8 = 1µ (MKT 63V RM5)
C9 = 3n3 (SMD 0805 50V)
C10 = 47p (SMD 0805 50V)
C11 = 6µ8 (MKT 63V RM5mm WIMA)
C12 = 0.1µ (MKT 63V RM5)
C13 = 100n (SMD 0805 50V)
C14 = 1µ (MKT 63V RM5)
C15 = 1n (SMD 0805 50V)
C16 = 470p (SMD 0805 50V)
C17 = 3n3 (SMD 0805 50V)
C18 = 47p (SMD 0805 50V)
C19 = 10µ (50V RM2.5/5mm)
C20 = 100p (SMD 0805 50V)
C21 = 1µ (MKT 63V RM5)
C22 = 1µ (MKT 63V RM5)
C23 = 1n (SMD 0805 50V)
C24 = 470p (SMD 0805 50V)
C25 = 10µ (50V RM2.5/5mm)
C26 = 6µ8 (MKT 63V RM5mm WIMA)

INDUCTORS/FERRITE:

L1 = FB (0805 FerriteBead 1k@100MHz)
L2 = FB (0805 FerriteBead 1k@100MHz)
L3 = FB (0805 FerriteBead 1k@100MHz)
L4 = FB (0805 FerriteBead 1k@100MHz)

SEMICONDUCTORS:

D1 = 1N5817 (schottky diode)
D2 = LED Red 3mm

IC1 = TL074 (SMD SOIC14)
IC2 = TL074 (SMD SOIC14)

SWITCHES:

SW1 = DPDT (mini DPDT switch PCB)

CONNECTORS:

J1 = TRS (2x stacked TRS switched CLIFF)
J2 = TRS (2x stacked TRS switched CLIFF)
J3 = DC (DC Jack 5.5/2.1mm PCB mount)
J4 = 3x1 (RM2.54)
J5 = 3x1 (RM2.54)
J6 = 2x5 (RM2.54)

Choose the one you prefer:
electrolytic 10µ/50V or MKT 6µ8/63V

Dev_LOOP

Stereo FX loop dev board

Design: Piotr Zapart
04.2014
www.hexeguitar.com