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 Ferite Bead 1k@100MHz)
L2	= FB (0805 Ferite Bead 1k@100MHz)
L3	= FB (0805 Ferite Bead 1k@100MHz)
L4	= FB (0805 Ferite Bead 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