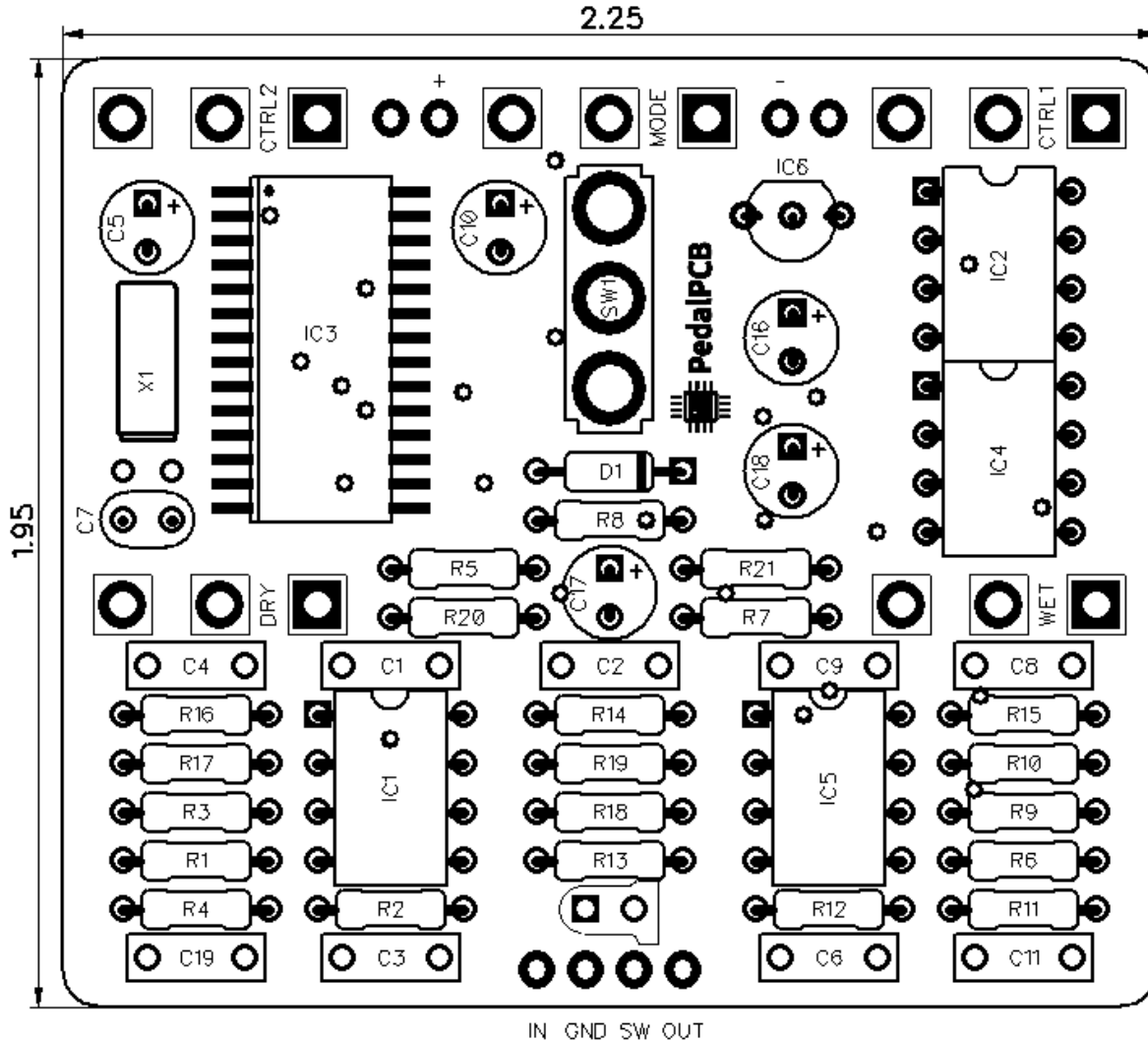# PedalPCB

HAARP

Revision 12.28.18

Controls

- **Rate** – Controls the speed of arpeggiation
- **Step** – Sets the number of steps in the arpeggiation pattern
- **Mode** – Sets the arpeggation pattern
- **Wet** – Adjusts the wet signal level
- **Dry** – Adjusts the dry signal level
- **Direction (Toggle Switch)** – Sets the arpeggation direction (Up, Alternating, Down)

HAARP

Parts List

RESISTORS (1/4W)

R1	1M
R2	100K
R3	1K
R4	22K
R5	10K
R6	1K
R7	10K
R8	100R
R9	10K
R10	10K
R11	470R
R12	100K
R13	4K7
R14	10K
R15	10K
R16	15K
R17	5K6
R18	10K
R19	22K
R20	10K
R21	10K

CAPACITORS

C1	1u MLCC
C2	1u MLCC
C3	1u MLCC
C4	1n
C5	10u
C6	2n2
C7	15p
C8	1u MLCC
C9	2n2
C10	1u ELECTROLYTIC
C11	1u MLCC
C16	100u
C17	10u
C18	47u
C19	1u MLCC

INTEGRATED CIRCUITS

IC1	TL072
IC2	24LC32A
IC3	FV1
IC4	ATTINY85
IC5	TL072
IC6	L78L33

DIODES

D1	1N5817

POTENTIOMETERS

CTRL1 (RATE)	B100K
CTRL2 (STEPS)	B100K
MODE	B100K
WET	B50K
DRY	B50K

SWITCHES

Direction - SPDT On/Off/On

CRYSTALS

X1	AB38T-32.768KHZ

Common offboard components (enclosure, footswitch, jacks, etc) are not listed

PedalPCB

HAARP

PedalPCB

IN GND SW OUT

PedalPCB

HAARP
Drill Template
125B enclosure with top mounted jacks

OUTPUT JACK

DC JACK

INPUT JACK

POTENTIOMETER

POTENTIOMETER

POTENTIOMETER

POTENTIOMETER

TOGGLE SWITCH

POTENTIOMETER

LED

FOOTSWITCH

PedalPCB