PedalPCB

InfiniDrive

Revision 03.01.19
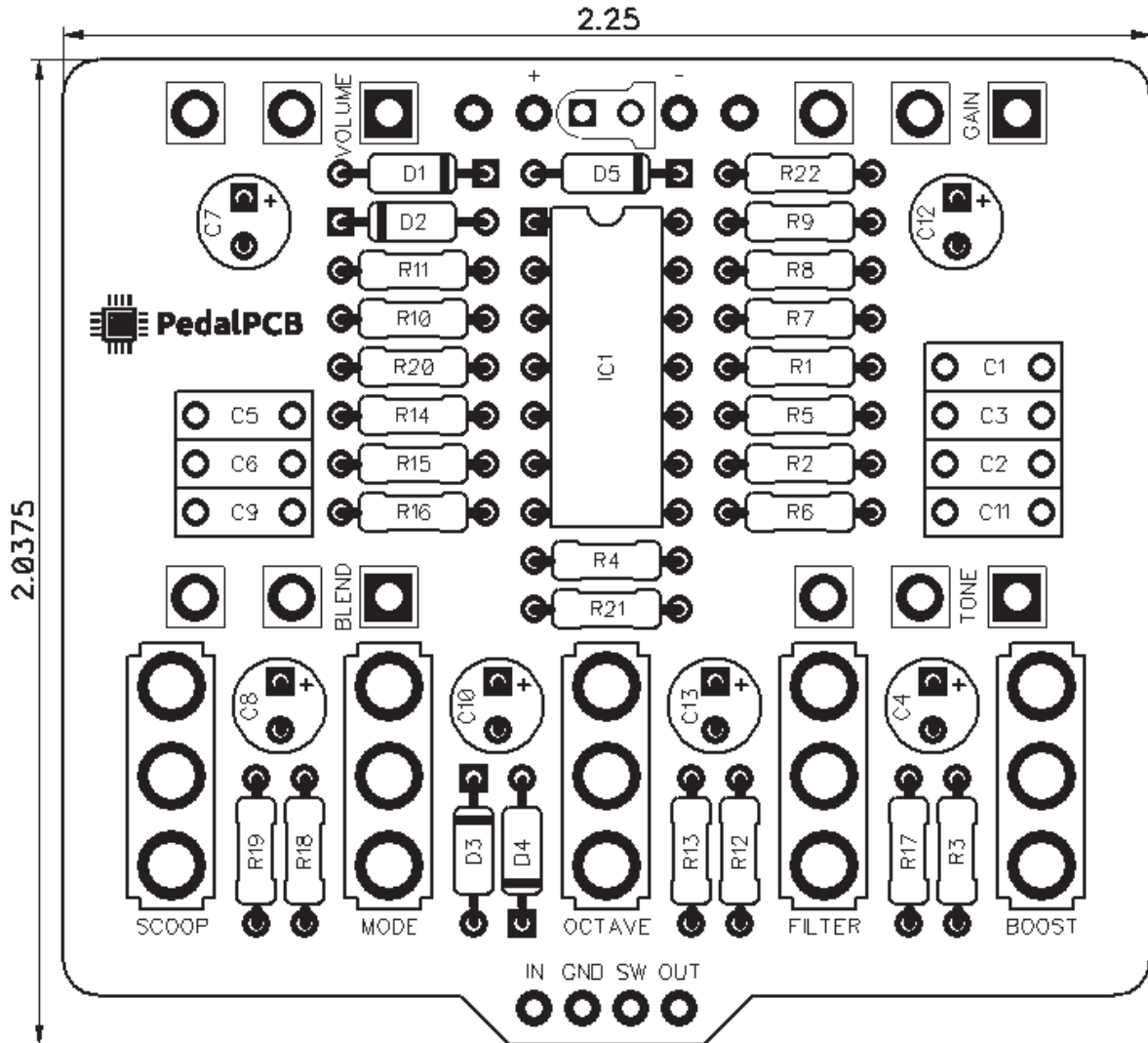
Controls
- **Parameter 1**
- **Parameter 2**
- **Parameter 3**
- **Volume**
- **Mix**
- **Mode (Rotary Switch)**

InfiniDrive
Parts List

RESISTORS (1/4W)

R1	330K
R2	100K
R3	10M
R4	10M
R5	1M
R6	220K
R7	220K
R8	100K
R9	100K
R10	10K
R11	10K
R12	10K
R13	5K
R14	100K
R15	1K
R16	1K
R17	3K9
R18	10K
R19	1K
R20	10K
R21	10K
R22	4K7

CAPACITORS

C1	10n
C2	1n
C3	1n
C4	1u
C5	10n
C6	470p*
C7	10u
C8	10u
C9	47n
C10	1u
C11	100n
C12	10u
C13	10u

*Original used 47pF for C6 - Increased to 470pF to prevent oscillation in some settings

SWITCHES

MODE	SPDT (On/Off/On)*
BOOST	SPDT (On/On)
FILTER	SPDT (On/On)
OCTAVE	SPDT (On/On)
SCOOP	SPDT (On/On)

*Original used SPDT (On/On) for MODE switch. - Three-position SPDT(On/Off/On) allows Soft, Hard, and No clipping diodes

INTEGRATED CIRCUITS

IC1	TL074

DIODES

D1	1N914
D2	1N914
D3	1N914
D4	1N914
D5	1N5817

POTENTIOMETERS

VOLUME	A100K
GAIN	B500K
TONE	B10K
BLEND	A100K*

*Original used A50K Blend pot - Increased to A100K for better separation of clean/dirt signals

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

PedalPCB

InfiniDrive

OUT

VOLUME
A100K

C4
1u

BLEND
A50K

C11
100n

R17
3K9

TONE
B10K

R18
10K

R19
1K

SCOOP

C9
47n

C10
1u

D4
1N914

D3
1N914

R16
1K

C8
10u

IC1.2
TL074

GAIN
B500K

C6
470p

R15
1K

C7
10u

R14
100K
VREF

IC1.4
TL074

R9
100K

R7
220K

C3
1n

R8
100K
VREF

R6
220K

C5
10n

R13
5K

D2
1N914

OCTAVE

R10
10K

D1
1N914

IC1.1
TL074

R12
10K

R11
10K

VREF

FILTER

R5
1M

IC1.3
TL074

VREF

R1
330K

R2
100K

C1
10n

C2
1n

R4
10M

R3
10M

BOOST

IN

SW

R22
4K7

LED

D5
1N5817

C12
10u

R20
10K

R21
10K

C13
10u

VREF

IC1
TL074

InfiniDrive

Wiring Diagram

IN GND SW OUT

InfiniDrive
Drill Template
125B enclosure with top mounted jacks

OUTPUT JACK

DC JACK

INPUT JACK

POTENTIOMETER

POTENTIOMETER

LED

POTENTIOMETER

POTENTIOMETER

TOGGLE SWITCH

TOGGLE SWITCH

TOGGLE SWITCH

TOGGLE SWITCH

TOGGLE SWITCH

FOOTSWITCH

PedalPCB