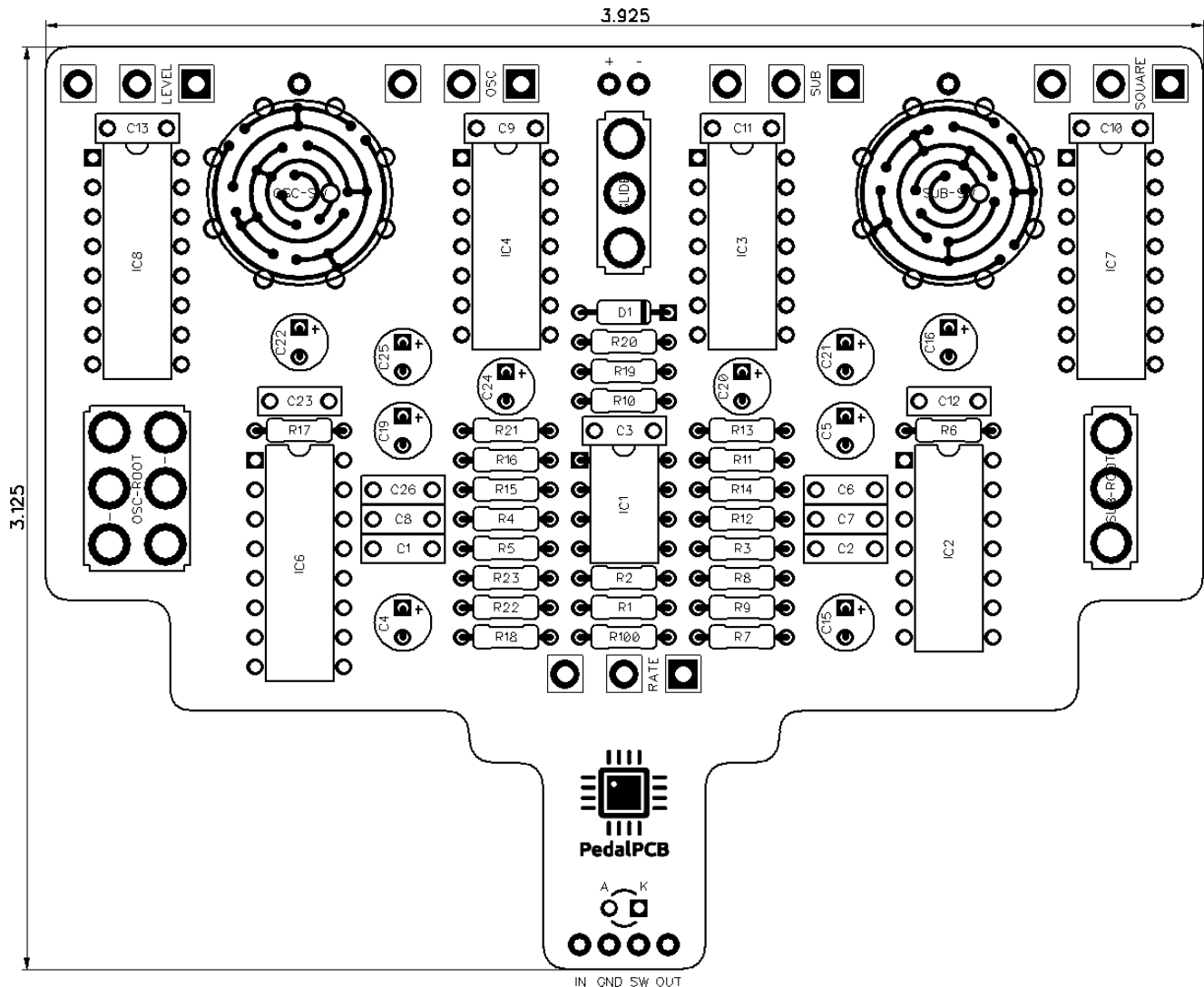


PedalPCB

Super Heterodyne Receiver

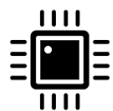
Revision 12.29.20



Controls

- Square
- Sub
- Oscillator
- Level
- Oscillator Root
- Sub Root
- Modulation Mode
- Modulation Rate

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**RESISTORS (1/4W)**

R1	1M
R2	1K
R3	1M
R4	47K
R5	47K
R6	470K
R7	1M
R8	470K
R9	10K
R10	10K
R11	10R
R12	10K
R13	10K
R14	10K
R15	10K
R16	1K
R17	1M
R18	47K
R19	10K
R20	100R
R21	10R
R22	100R
R23	10M
R100	4K7

CAPACITORS

C1	100p
C2	100n
C3	100n
C4	10u
C5	1u
C6	100n
C7	22n
C8	100n
C9	100n
C10	100n
C11	100n
C12	100n
C13	100n
C15	100u
C16	100u
C19	1u
C20	1u
C21	1u
C22	1u
C23	100n
C24	22u
C25	2u2
C26	470p

INTEGRATED CIRCUITS

IC1	TL072
IC2	CD4069UBE
IC3	CD40106BE
IC4	CD4024BE
IC6	CD4046BE
IC7	CD4017BE
IC8	CD4017BE

DIODES

D1	1N5817
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POTENTIOMETERS

SQUARE	B100K
SUB	B100K
OSC	B100K
LEVEL	A100K
RATE	A500K

SWITCHES

OSC-SW	1P8T Mini Rotary
SUB-SW	1P8T Mini Rotary

GLIDE	SPDT On/On
SUB-ROOT	SPDT On/On

OSC-ROOT	*DPDT On/On/On
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1P8T Rotary

<https://www.pedalpcb.com/product/mini-1p8t/>

***DPDT On/On/On**

This switch MUST be a Type-2 DPDT On/On/On toggle switch. The following are known to be compatible parts:

100-DP6-T100B1M1QE (Long Shaft)

<https://lovemyswitches.com/taiway-dpdt-on-on-on-switch-solder-lug-long-shaft/>

100-DP6-T200B1M1QE (Short Shaft)

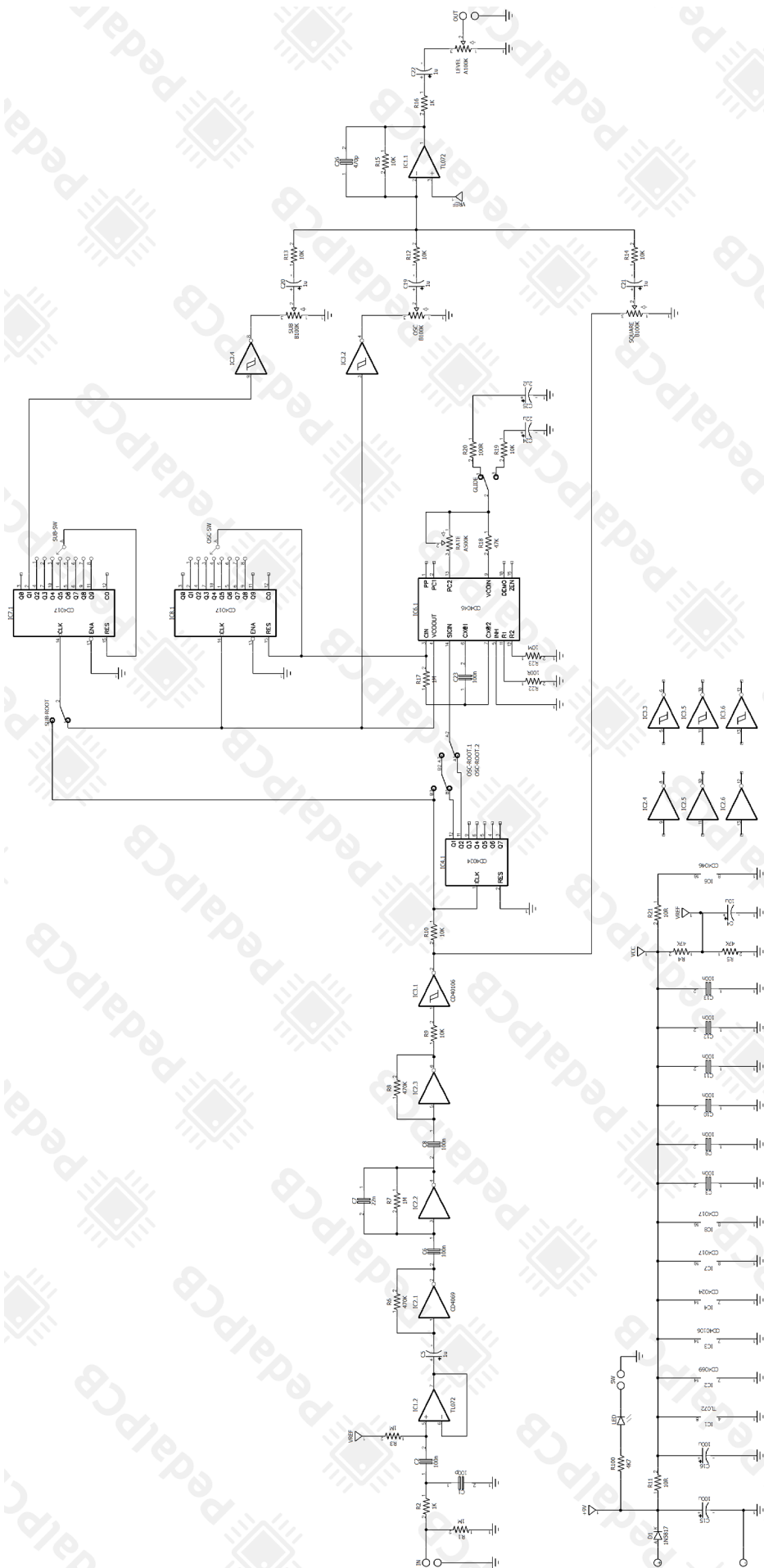
<https://lovemyswitches.com/taiway-dpdt-on-on-on-switch-solder-lug-short-shaft/>

1MD6T1B1C0M1QE (Long Shaft)

<http://smallbear-electronics.mybigcommerce.com/dpdt-on-on-on-solder-term/>

Super Heterodyne Receiver

Schematic Diagram





Super Heterodyne Receiver

Wiring Diagram

