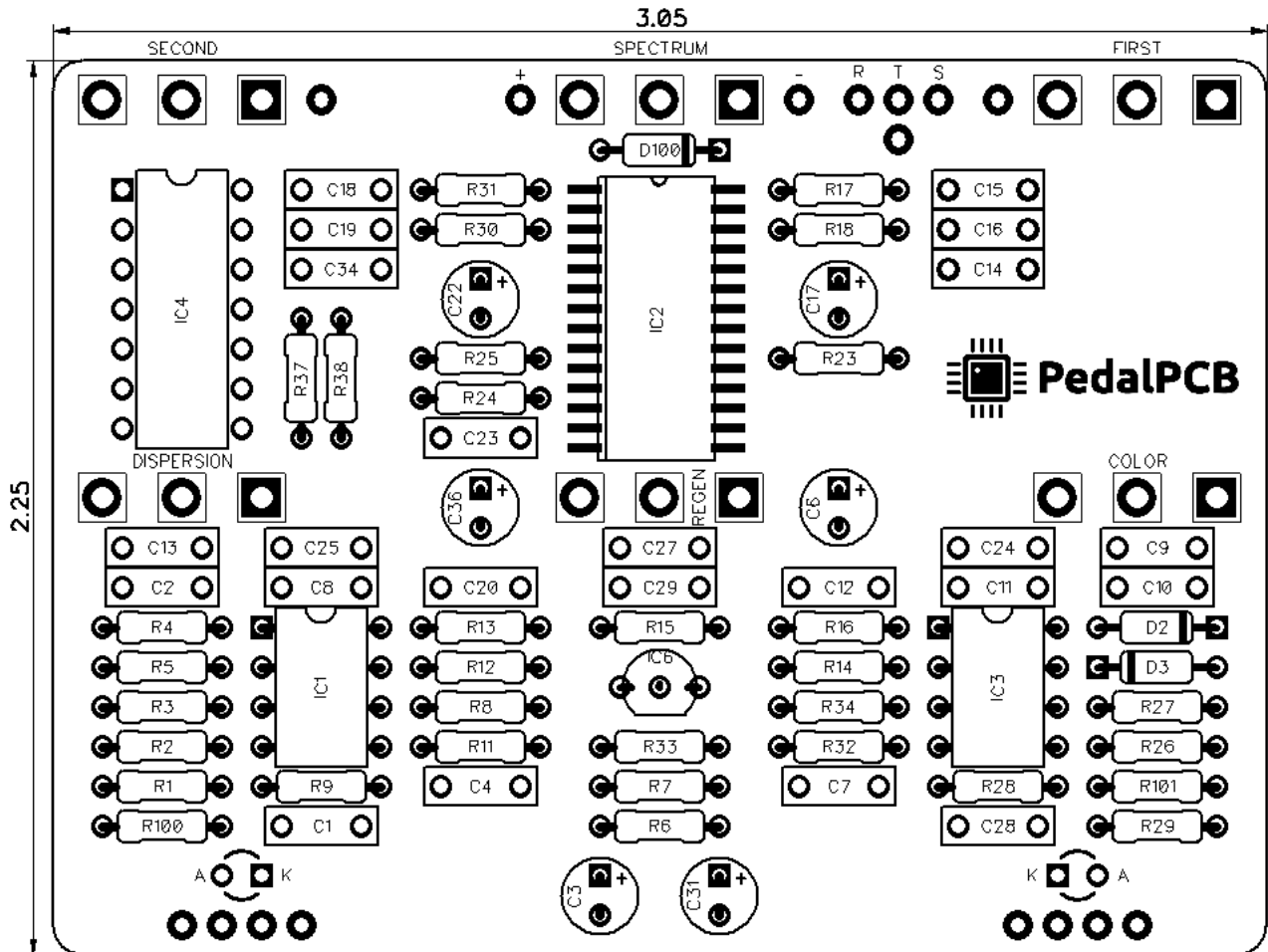# PedalPCB

Leprechaun

Revision 07.26.19

Controls
- **First Order**
- **Spectrum**
- **Second Order**
- **Color**
- **Regeneration**
- **Dispersion**

- **Active/By[ass** *(Footswitch)*
- **Regeneration** *(Footswitch)*

Leprechaun

Parts List

RESISTORS (1/4W)

R1	1M
R2	1K
R3	1M
R4	10K
R5	4K7
R6	10K
R7	10K
R8	1K
R9	100K
R11	47K
R12	10K
R13	10K
R14	10K
R15	10K
R16	10K
R17	1K
R18	1K
R23	100R
R24	1K
R25	1K
R26	10K
R27	10K
R28	10K
R29	10K
R30	1K
R31	1K
R32	10K
R33	15K
R34	10K
R37	4K7
R38	10K
R100	4K7
R101	4K7

CAPACITORS

C1	100p
C2	100n
C3	10u
C4	1u (MLCC)
C6	100u
C7	100n
C8	1u (MLCC)
C9	1u (MLCC)
C10	47n
C11	1u (MLCC)
C12	1n
C13	1u (MLCC)
C14	1u (MLCC)
C15	1u (MLCC)
C16	1u (MLCC)
C17	10u
C18	1n
C19	1n
C20	100n
C22	10u
C23	1u (MLCC)
C24	1u (MLCC)
C25	1u (MLCC)
C27	2n2
C28	1u (MLCC)
C29	1u (MLCC)
C31	1u (Electrolytic)
C34	1n
C36	100u

INTEGRATED CIRCUITS

IC1	TL072
IC2	Spin FV-1
IC3	TL072
IC4	CD4069UB
IC6	L78L33

DIODES

D2	1N4148
D3	1N4148
D100	1N5817

POTENTIOMETERS

FIRST	B10K
SECOND	B10K
SPECTRUM	B50K
COLOR	B10K
DISPERSION	B25K
REGENERATION	B25K

JACKS

EXPRESSION (Switching TRS)

FOOTSWITCHES

ACTIVE/BYPASS	3PDT
REGENERATION	3PDT

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

PedalPCB

Leprechaun

Schematic Coming Soon...

Leprechaun

Wiring Diagram
(With Expression Input Jack)

Expression Jack

Ring
Tip
Sleeve

Switched Tip

Leprechaun

Wiring Diagram
(**Without** Expression Input Jack)

PedalPCB
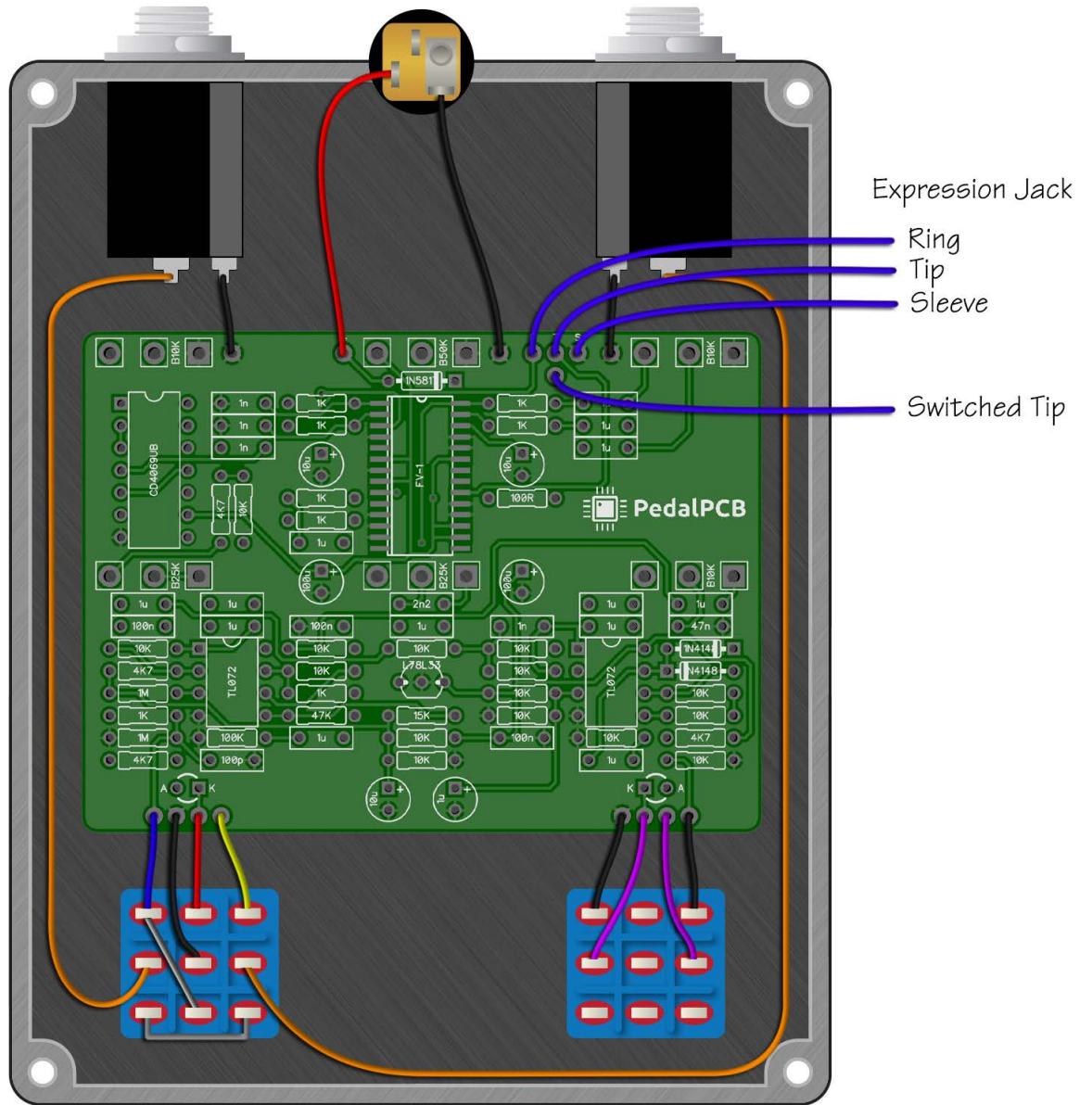
Leprechaun
Drill Template
1590BB enclosure with top mounted jacks
(With Expression Input Jack)

OUTPUT JACK   EXP JACK   DC JACK   INPUT JACK

POTENTIOMETER   POTENTIOMETER   POTENTIOMETER

POTENTIOMETER   POTENTIOMETER   POTENTIOMETER

LED   LED

FOOTSWITCH   FOOTSWITCH

PedalPCB

PedalPCB
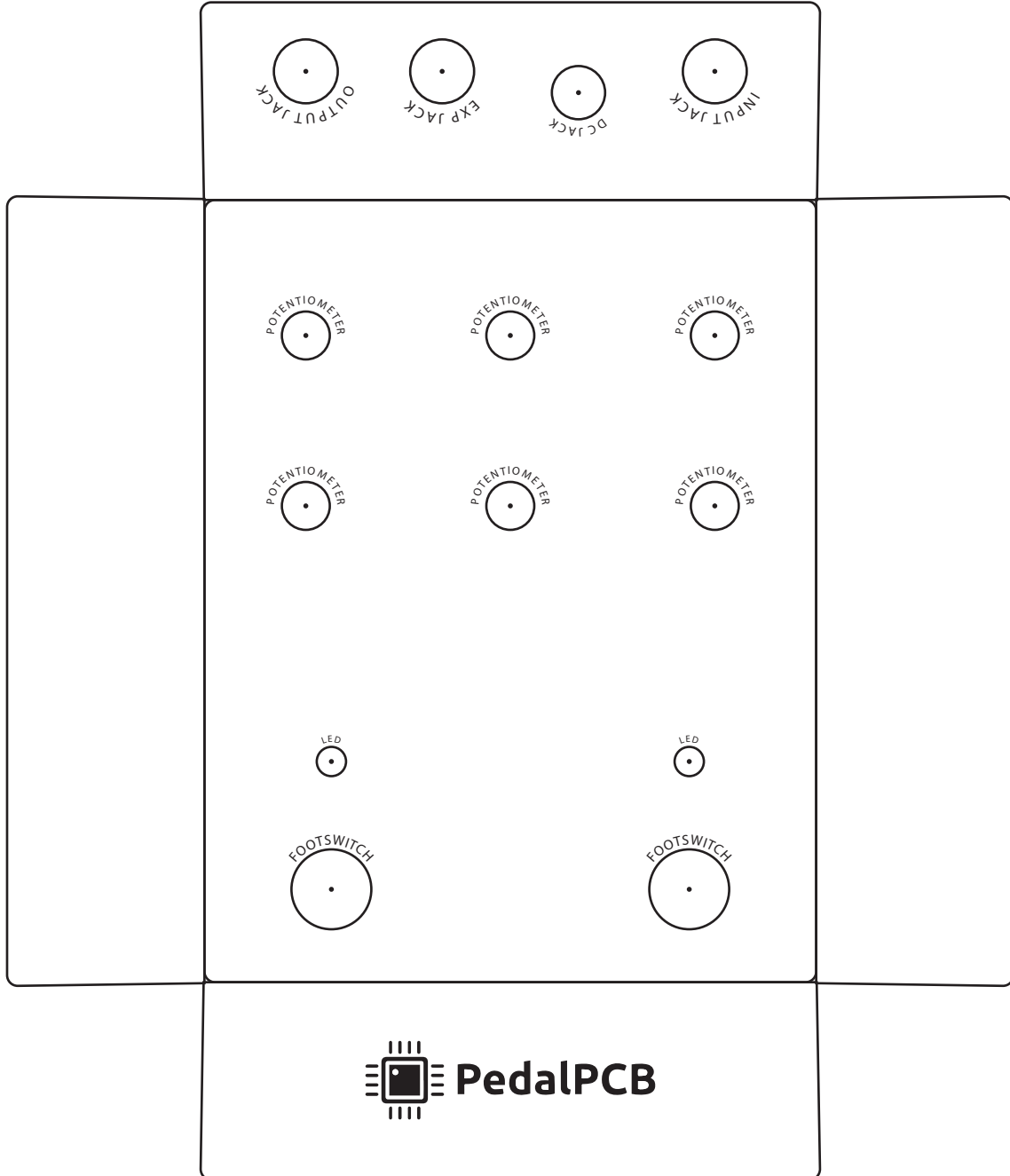
Leprechaun
Drill Template
1590BB enclosure with top mounted jacks
(**Without** Expression Input Jack)

OUTPUT JACK

DC JACK

INPUT JACK

POTENTIOMETER

POTENTIOMETER

POTENTIOMETER

POTENTIOMETER

POTENTIOMETER

POTENTIOMETER

LED

LED

FOOTSWITCH

FOOTSWITCH

PedalPCB