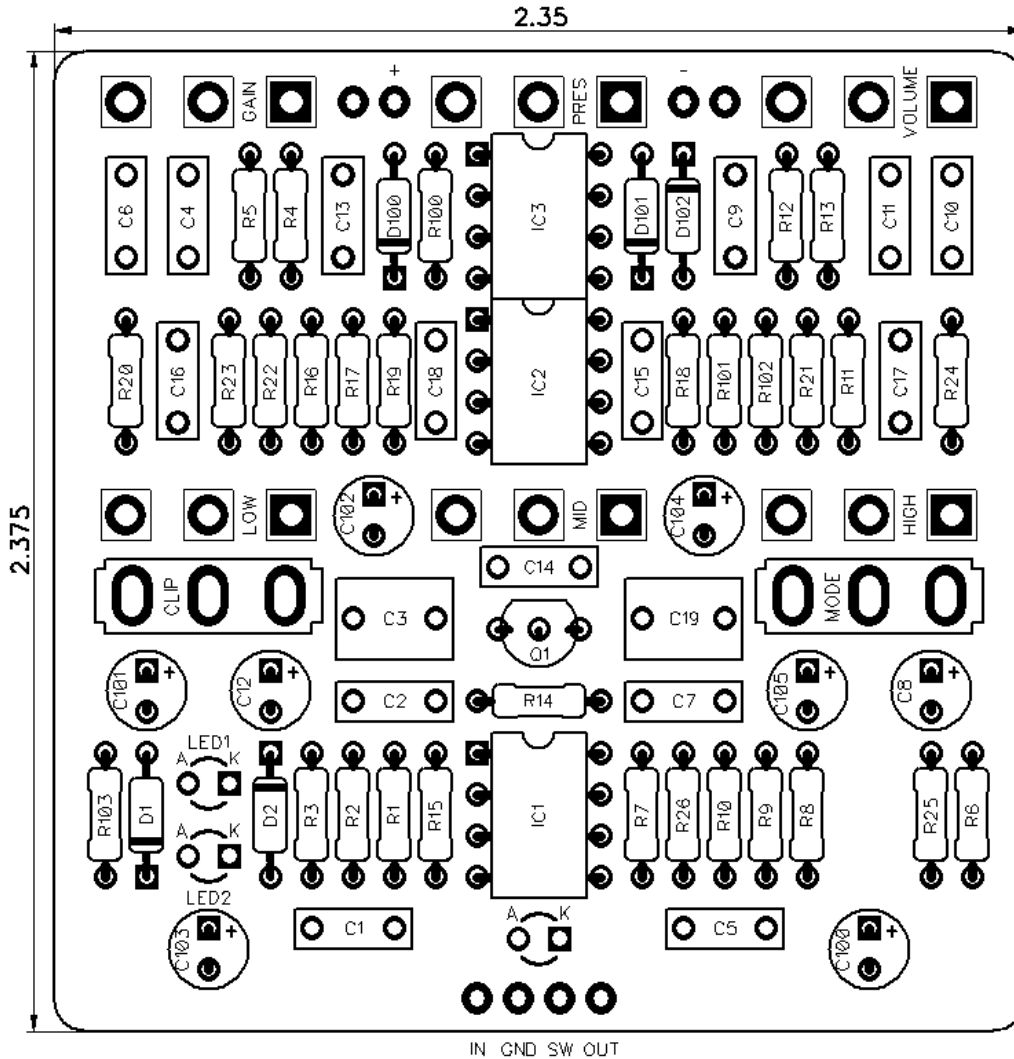




Crunch Captain Deluxe

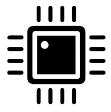
Revised 7/26/20



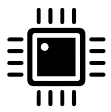
CONTROLS AND FEATURES

- Volume
- Presence
- Gain
- High
- Mid
- Low
- Clipping (toggle switch)
- Mode (toggle switch)

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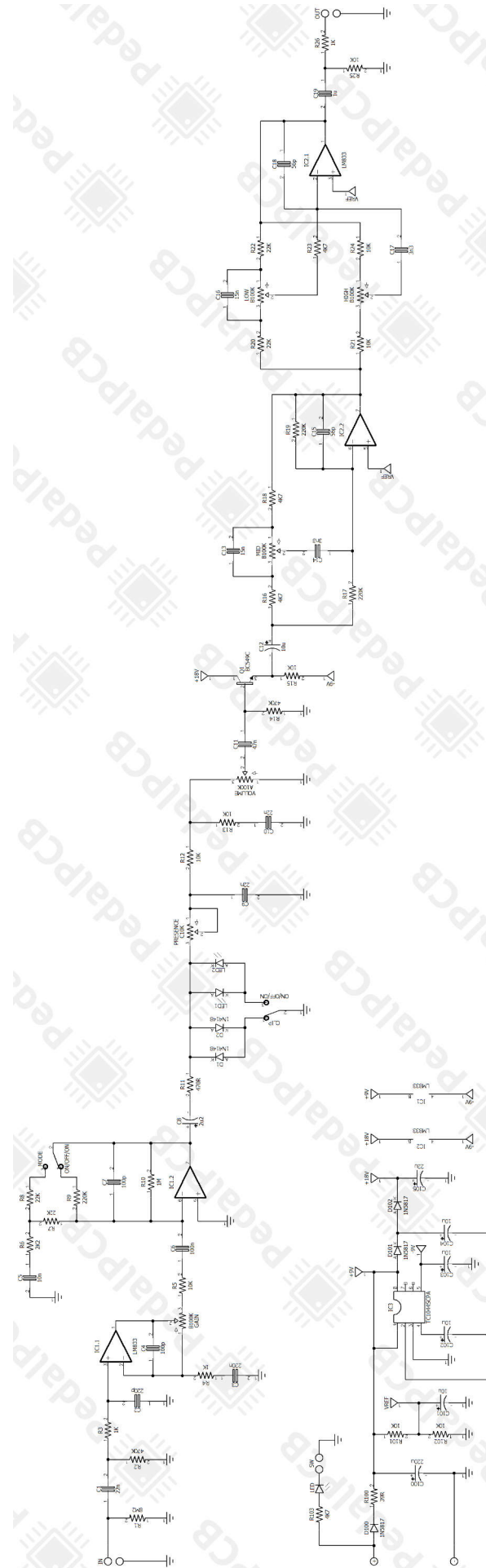
LOCATION	VALUE	TYPE	NOTES
R1	8M2	Resistor, 1/4W	
R2	470K	Resistor, 1/4W	
R3	1K	Resistor, 1/4W	
R4	1K	Resistor, 1/4W	
R5	10K	Resistor, 1/4W	
R6	2K2	Resistor, 1/4W	
R7	22K	Resistor, 1/4W	
R8	22K	Resistor, 1/4W	
R9	220K	Resistor, 1/4W	
R10	1M	Resistor, 1/4W	
R11	470R	Resistor, 1/4W	
R12	10K	Resistor, 1/4W	
R13	10K	Resistor, 1/4W	
R14	470K	Resistor, 1/4W	
R15	10K	Resistor, 1/4W	
R16	4K7	Resistor, 1/4W	
R17	220K	Resistor, 1/4W	
R18	4K7	Resistor, 1/4W	
R19	220K	Resistor, 1/4W	
R20	22K	Resistor, 1/4W	
R21	10K	Resistor, 1/4W	
R22	22K	Resistor, 1/4W	
R23	4K7	Resistor, 1/4W	
R24	10K	Resistor, 1/4W	
R25	10K	Resistor, 1/4W	
R26	1K	Resistor, 1/4W	
R100	39R	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
R102	10K	Resistor, 1/4W	
R103	4K7	Resistor, 1/4W	
C1	22n	Film capacitor, 7.2 x 2.5mm	
C2	220p	Ceramic capacitor	
C3	220n	Film capacitor, 7.2 x 5.0mm	
C4	100p	Ceramic capacitor	
C5	10n	Film capacitor, 7.2 x 2.5mm	
C6	100n	Film capacitor, 7.2 x 2.5mm	
C7	100p	Ceramic capacitor	
C8	2u2	Electrolytic capacitor, 5mm	
C9	22n	Film capacitor, 7.2 x 2.5mm	
C10	22n	Film capacitor, 7.2 x 2.5mm	
C11	47n	Film capacitor, 7.2 x 2.5mm	
C12	10u	Electrolytic capacitor, 5mm	
C13	15n	Film capacitor, 7.2 x 2.5mm	
C14	3n3	Film capacitor, 7.2 x 2.5mm	
C15	56p	Ceramic capacitor	
C16	15n	Film capacitor, 7.2 x 2.5mm	
C17	3n3	Film capacitor, 7.2 x 2.5mm	

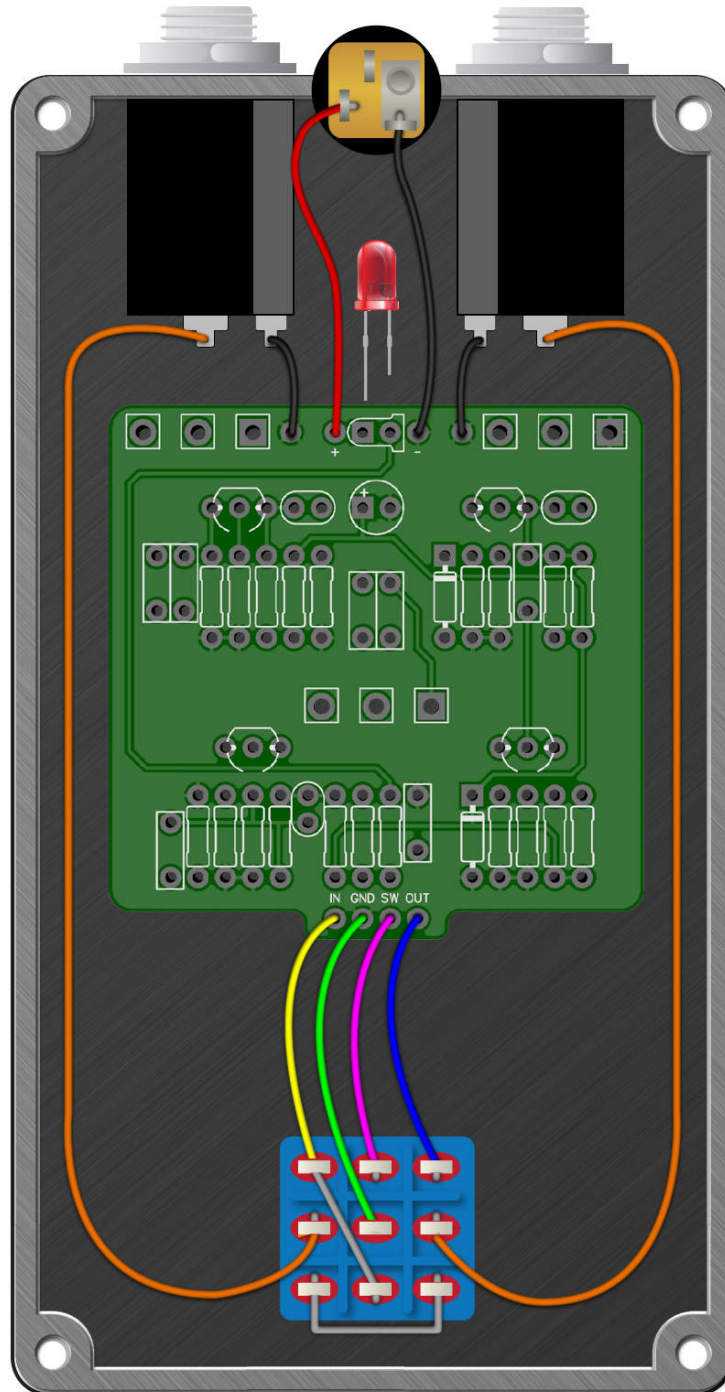


LOCATION	VALUE	TYPE	NOTES
C18	56p	Ceramic capacitor	
C19	1u	Electrolytic capacitor, 5mm	
C100	220u	Electrolytic capacitor, 5mm	
C101	10u	Electrolytic capacitor, 5mm	
C102	10u	Electrolytic capacitor, 5mm	
C103	10u	Electrolytic capacitor, 5mm	
C104	10u	Electrolytic capacitor, 5mm	
C105	22u	Electrolytic capacitor, 5mm	
D1	1N4148	Signal diode, DO-35	
D2	1N4148	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
D101	1N5817	Schottky diode, DO-41	
D102	1N5817	Schottky diode, DO-41	
LED1	3mm Red	Light Emitting Diode, Red, 3mm	
LED2	3mm Red	Light Emitting Diode, Red, 3mm	
Q1	BC549C	BJT transistor, NPN TO-92	
IC1	LM833	Dual op-amp, DIP8	
IC2	LM833	Dual op-amp, DIP8	
IC3	TC1044SCPA	Charge Pump IC	
CLIP	ON/OFF/ON	Toggle Switch, SPDT	3-position (ON/OFF/ON)
MODE	ON/OFF/ON	Toggle Switch, SPDT	3-position (ON/OFF/ON)
VOLUME	A100K	16mm right-angle PCB mount pot	
GAIN	B100K	16mm right-angle PCB mount pot	
HIGH	B100K	16mm right-angle PCB mount pot	
MID	B100K	16mm right-angle PCB mount pot	
LOW	B100K	16mm right-angle PCB mount pot	
PRESENCE	C10K	16mm right-angle PCB mount pot	

Crunch Captain Deluxe

Schematic Diagram





Crunch Captain Deluxe

Drill Template
125B enclosure

