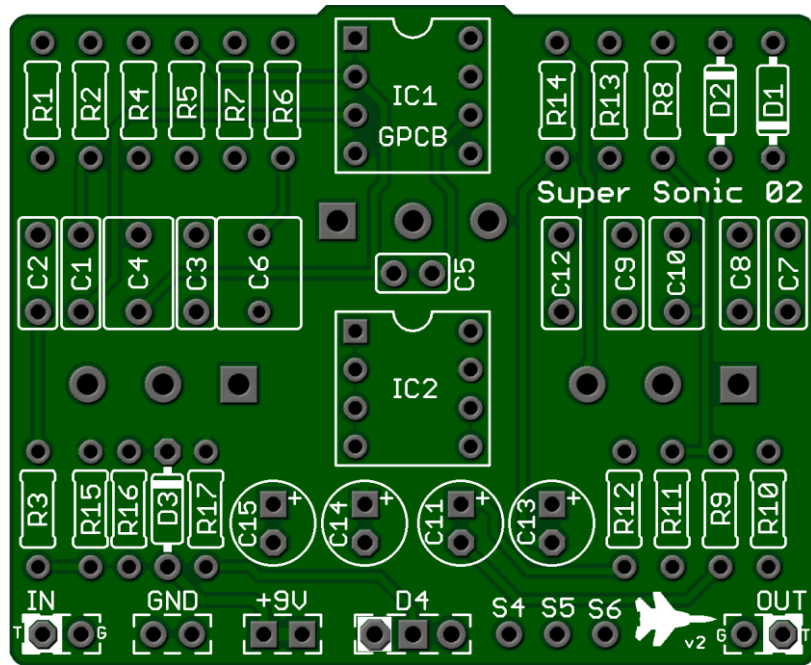# Super Sonic v2

A fantastic recreation of an outrageously expensive offering that will leave you smiling in the "pink". This PCB is based on the Cornish SS-2 which now gives you the opportunity to create familiar tones that even Sir David would love! A smoother and more defined Fuzz/Distortion tone to get you Comfortably Numb.

Board Dimensions (W x H) 2.10" x 1.72"

Part	Value	Part	Value	Part	Value
R1	1M	R15	100k	C12	1n
R2	10k	R16	100k	C13	10u
R3	1M	R17	1k8*	C14	100u
R4	510R	C1	10n	C15	10u
R5	150k	C2	1n	D1	1N34A
R6	10k	C3	4n7	D2	1N34A
R7	100k	C4	470n	D3	1N5817
R8	1M	C5	10p	D4	Status Led
R9	1M	C6	1u		
R10	2k4	C7	10n	IC1	TL071
R11	10k	C8	10n	IC2	TL071
R12	6k8	C9	10n	DRIVE	B50k
R13	10k	C10	220n	TONE	B20k
R14	100R	C11	10u	VOL	A100k

STATUS LED

*D4 is a Status LED that can use either Bi-Color Common Anode or a Standard On/Off LED.
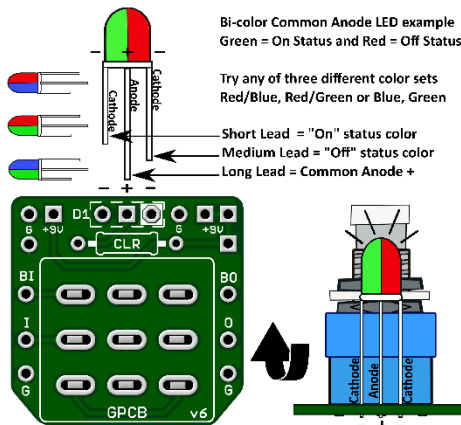
New in this GuitarPCB release:

- On-board potentiometers
- 1N5817 circuit protection Diode
- Extra 9v and ground pads for convenient wiring in combo builds or mods.
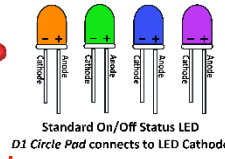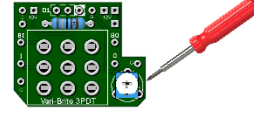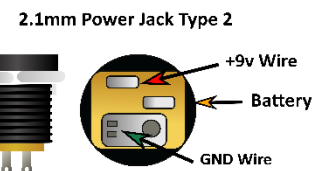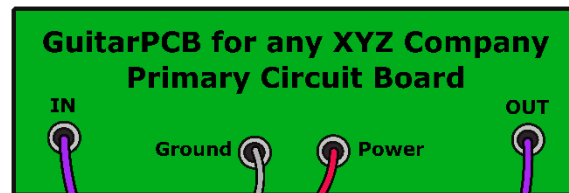- On-board potentiometers

Super Sonic 02 | BRUCE R

FILE: SuperSonic_v2_2022

DATE: 12/3/2022 11:52 PM

Wiring Diagram

Drill Template

GuitarPCB Tip Sheet

Bi-color Common Anode LED example
Green = On Status and Red = Off Status

Try any of three different color sets
Red/Blue, Red/Green or Blue, Green

Short Lead = "On" status color
Medium Lead = "Off" status color
Long Lead = Common Anode +
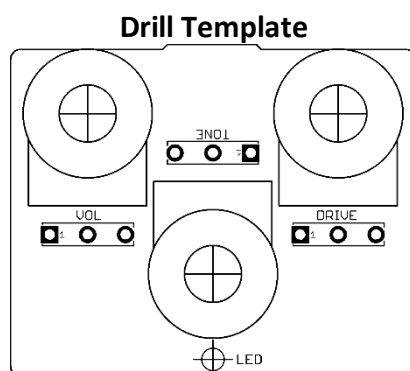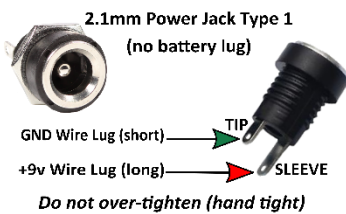
Try our 3PDT Vari-Bright version w/
on-board Trimmer to adjust brightness

Standard On/Off Status LED
D1 Circle Pad connects to LED Cathode

○ Green = Ground Pads (5)
□ Red = + 9v Power Pads (4)
D1 = LED Pads
CLR = Current Limiting Resistor
BI = From Main Board IN
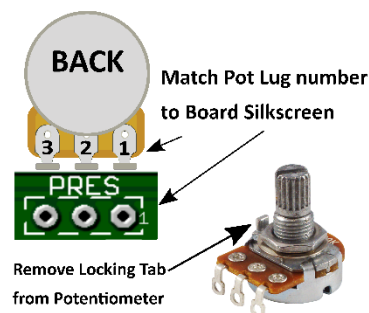BO = From Main Board OUT
I = To Jack Tip IN
O = To Jack Tip OUT

2.1mm Power Jack Type 1
(no battery lug)

GND Wire Lug (short) — TIP
+9v Wire Lug (long) — SLEEVE

Do not over-tighten (hand tight)

2.1mm Power Jack Type 2

+9v Wire
Battery
GND Wire

GuitarPCB for any XYZ Company Primary Circuit Board

IN — Ground — Power — OUT

T = Tip
R = Ring
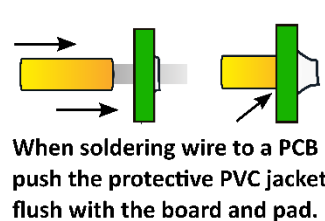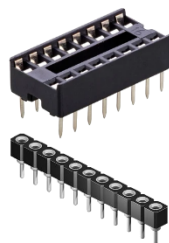**S = Sleeve**

Stereo Jack (T-R-S)
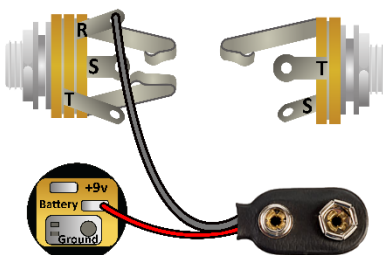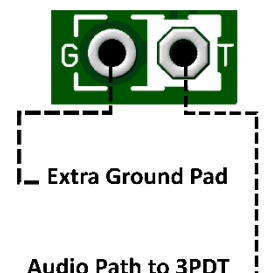
Mono Jack (T-S)
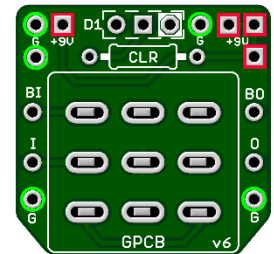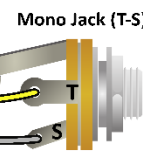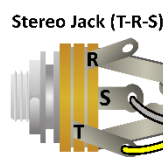
T = Tip
S = Sleeve

Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit indiviual needs.

BACK

Match Pot Lug number to Board Silkscreen

Remove Locking Tab from Potentiometer

Sockets make troubleshooting easier

When soldering wire to a PCB push the protective PVC jacket flush with the board and pad.

Main Board IN/OUT Pads

G ⊙ ⊙ T

Extra Ground Pad

Audio Path to 3PDT

Input/Output Jack Wiring
T = Tip | R = Ring | S = Sleeve

A Stereo Jack is only needed if using a Battery. Otherwise use a Mono Jack
Battery Strap RED wire is connected to Power Jack
Battery Strap Black wire is connected to RING (stereo jack)
If wiring an LED to our 3PDT Wiring Board then S4, S5 & S6 are not needed

+9v
Battery
Ground