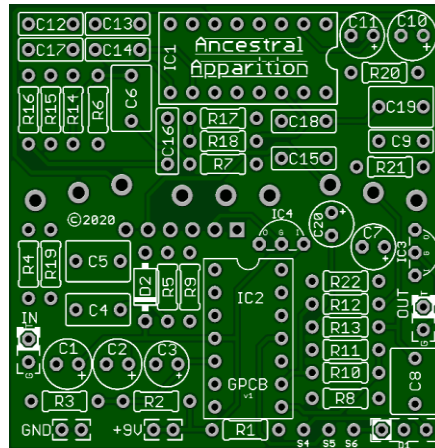
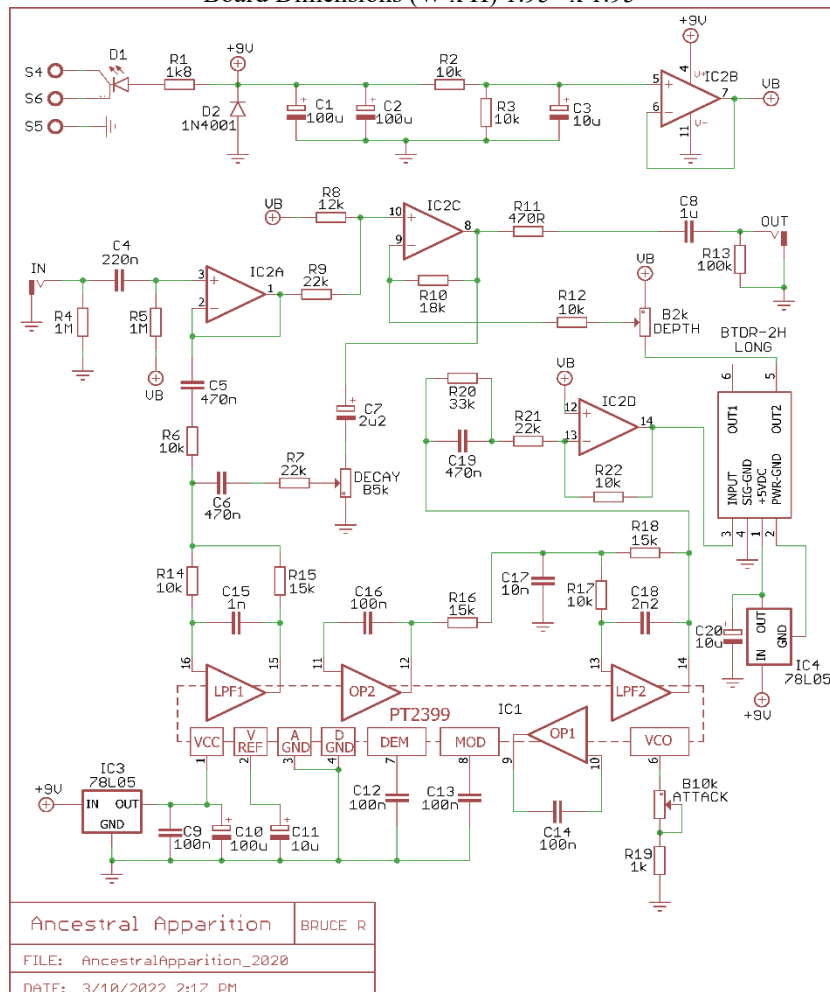


# Ancestral Apparition

*What makes this so special is the unique blending of the reverb with an ADDED DELAY! This just makes the shimmering reverb effect even more powerful! Advance the ATTACK control to add in just the right amount of DELAY! Use the DECAY control to add some feedback for even more expansiveness! Finally, turn up that DEPTH control to sink your instrument deep into the cavern! Now you've added that ambiance and expansiveness that's been missing! Add just a small amount or go huge for dramatic emphasis! It's all up to you!*



Board Dimensions (W x H) 1.95" x 1.95"



Part	Value
R1	1k8
R2	10k
R3	10k
R4	1M
R5	1M
R6	10k
R7	22k*
R8	12k
R9	22k
R10	18k**
R11	470R

Part	Value
R12	10k
R13	100k
R14	10k
R15	15k
R16	15k
R17	10k
R18	15k
R19	1k
R20	33k
R21	22k
R22	10k

Part	Value
C1	100u
C2	100u
C3	10u
C4	220n
C5	470n
C6	470n
C7	2u2
C8	1u
C9	100n
C10	100u
C11	10u

Part	Value
C12	100n
C13	100n
C14	100n
C15	1n
C16	100n
C17	10n
C18	2n2
C19	470n
C20	10u
BTDR-2H	LONG

Part	Value
D1	CA Status LED
D2	1N4001
IC1	PT2399
IC2	TL074
IC3	78L05
IC4	78L05
DECAY	B5k
DEPTH	B2k
ATTACK	B10k

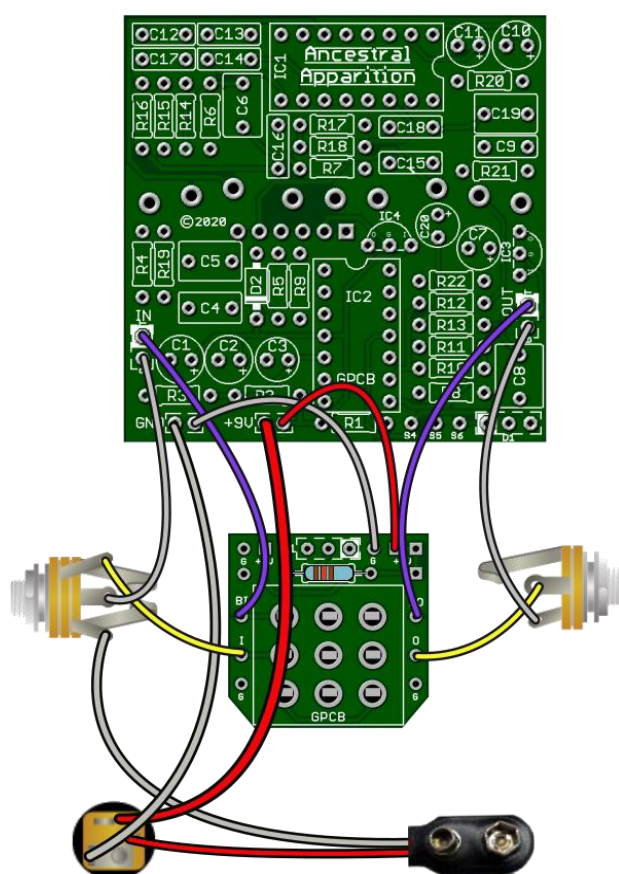
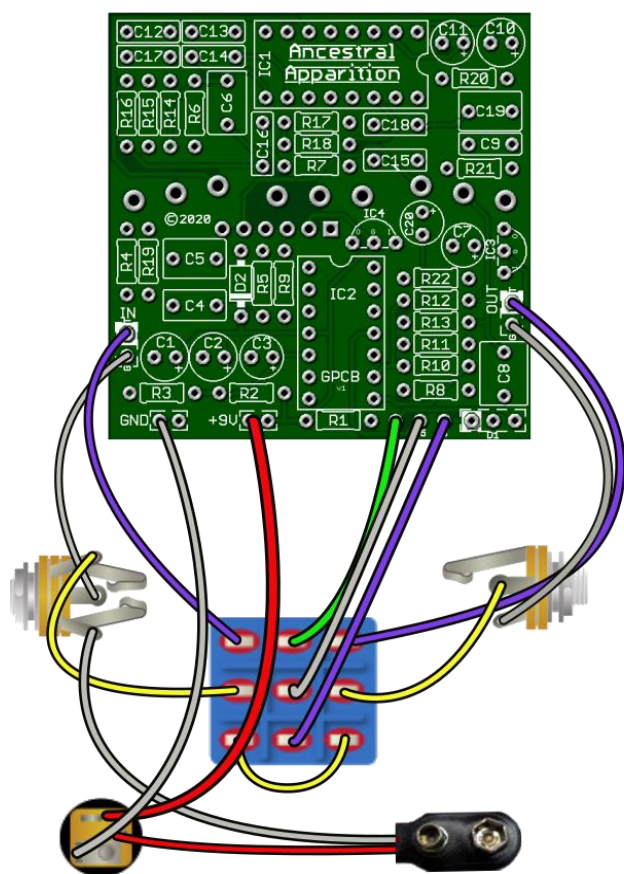
## Build Notes:

Reverb Bricks: [Amplified Parts](#), Small Bear or in Europe see [Das Musikding](#)

\*R7 stock is 22k. If you would like to add even more Decay you can try using anything from 8k to 10k here.

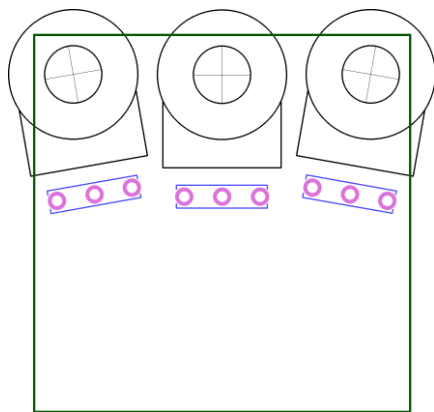
Please note that Mods are not included with Kits.

\*\*R18 Please note updated value for R10, now 18k to provide unity gain. Original value (10k) made the circuit quieter than unity.

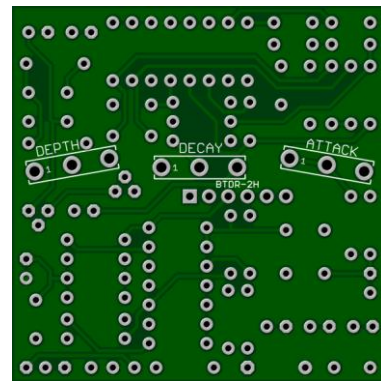


**Note:** If wiring the LED to our 3PDT board no need to connect S4, S5 & S6 or populate D1 or R1 (CLR) on the main board since you are wiring your LED directly to our board.

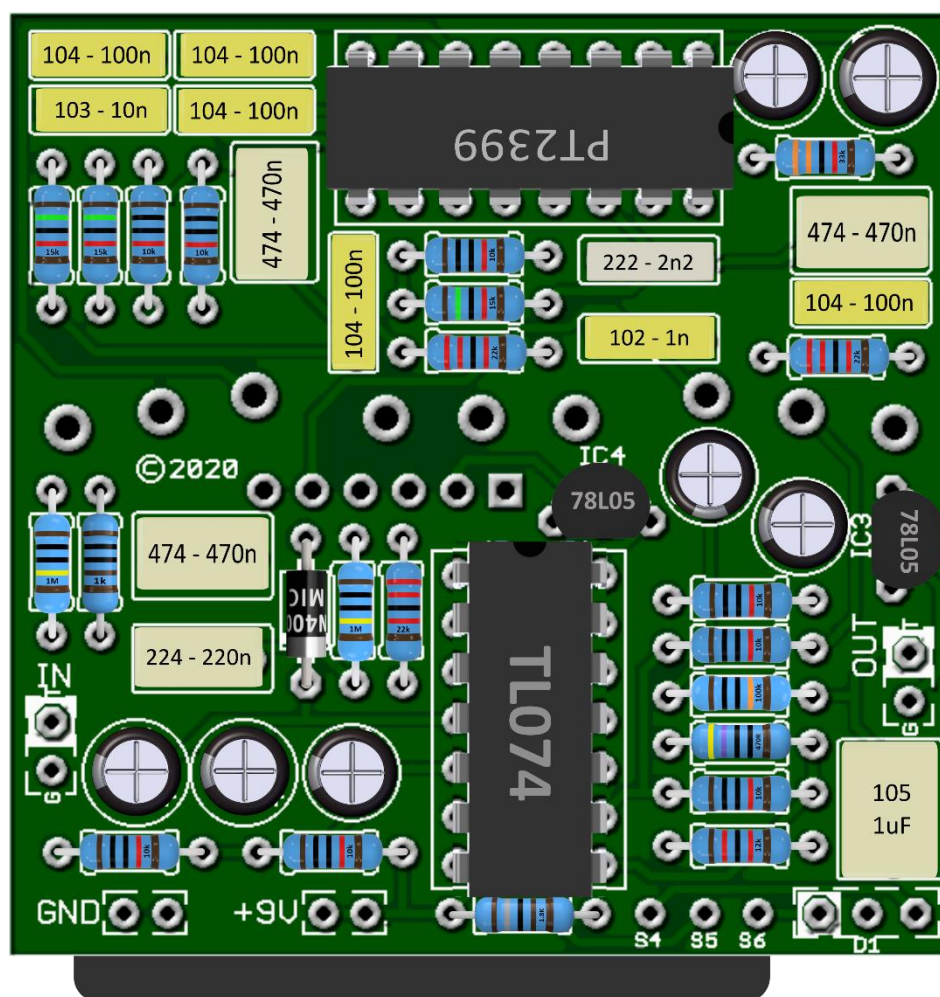
**Note: If wiring the LED to our 3PDT board no need to connect S4, S5 & S6 or populate D1 or R1 (CLR) on the main board since you are wiring your LED directly to our board.**



## Drill Template

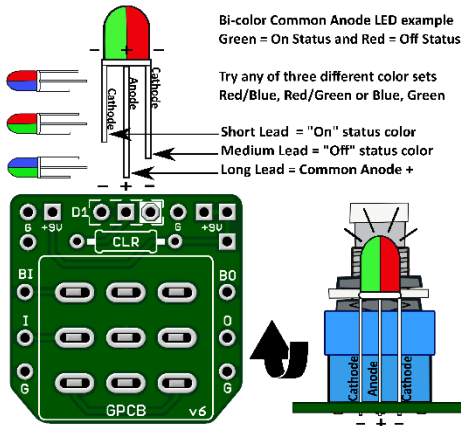


**Potentiometers. Drill Tips:** Measure your components before selecting a drill bit. We recommend drilling the pot holes, mounting the pots in the enclosure, and then soldering the pots to the board. This approach should resolve the issue of the pots not fitting through the holes after soldering. We also recommend you make the holes for the pots a little larger than the threads in case you decide to remove the board and put it back in during the build, to avoid problems. Use this guide at your own risk. Make sure page scaling is turned off when you print this PDF, or the image above may be smaller than expected. Verify everything before drilling.

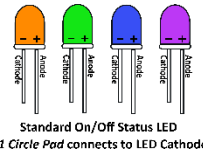
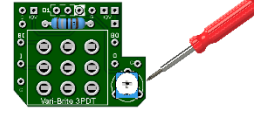




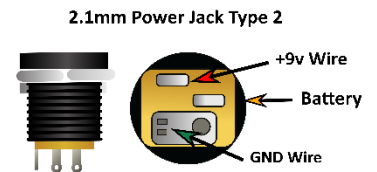
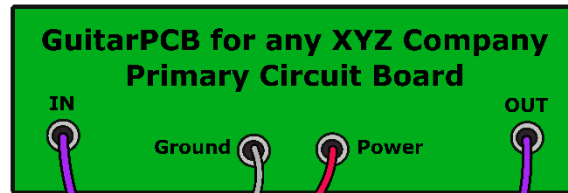
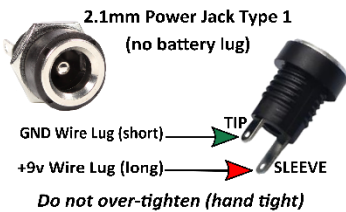
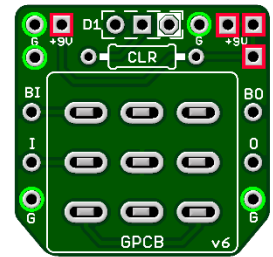
# GuitarPCB Tip Sheet



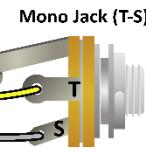
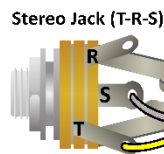
Try our 3PDT Vari-Bright version w/  
on-board Trimmer to adjust brightness



- 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

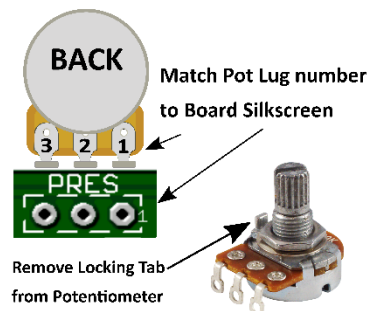


T = Tip  
R = Ring  
S = Sleeve

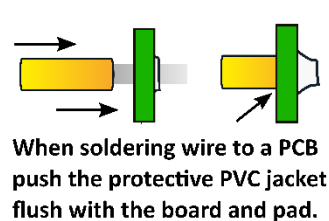
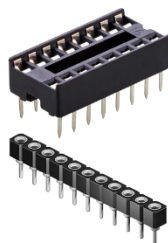


T = Tip  
S = Sleeve

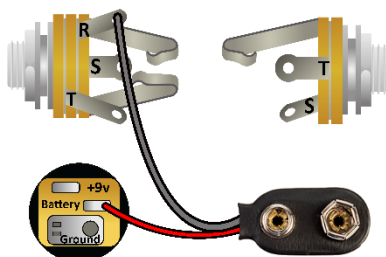
Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit individual needs.



Sockets make troubleshooting easier



Main Board IN/OUT Pads



## 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



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