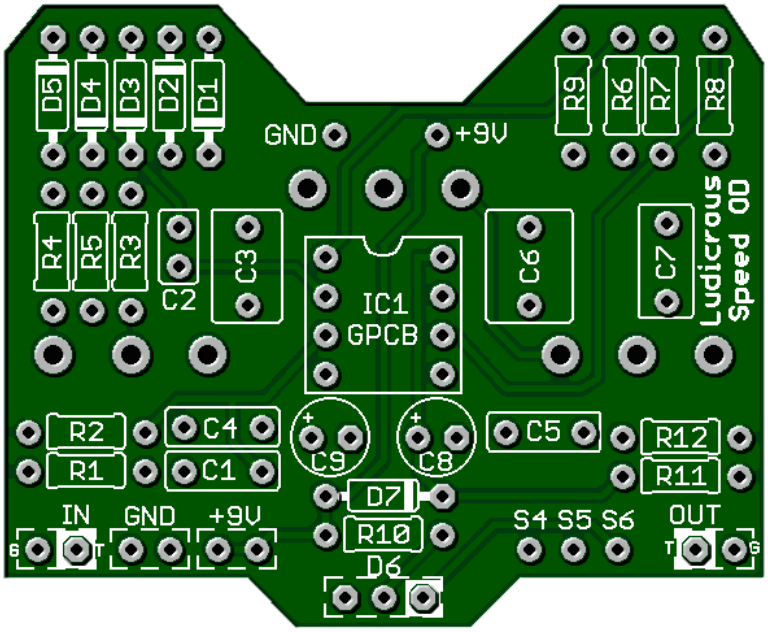
Ludicrous Speed

The Ludicrous Speed features a ritual experience in pure tonality allowing your individual dynamics and style to come through. Cleans up beautifully with the Guitar Volume or Picking Attack. Featuring a variety of Drive tones from OD to Distortion. What are you waiting for? Grab yours today!



Dimensions: 1.95” x 1.60”

Part	Value
R1	1M
R2	*430k
R3	12k
R4	3k3
R5	5k6
R6	5k6
R7	3k9

Part	Value
R8	4k7
R9	3k3
R10	1k8
R11	4k7
R12	4k7
C1	47n
C2	100p

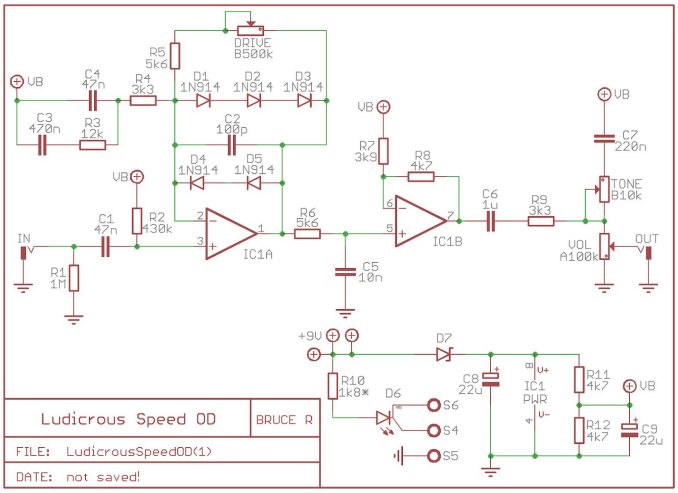
Part	Value
C3	470n
C4	47n
C5	10n
C6	1u
C7	220n
C8	22u
C9	22u

Part	Value
D1-D5	1N914
D6	BiColor CA LED
D7	1N5817
IC1	TL072
DRIVE	**B500k
TONE	**B10k
VOL	A100k

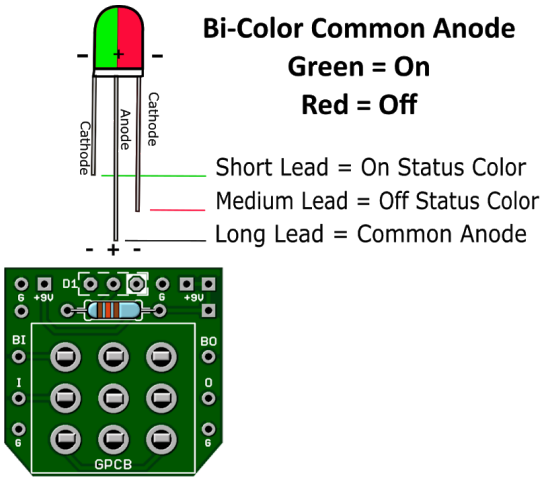
Build Notes: This circuit is based off of the Greer Amps Lightspeed Organic Drive™. GuitarPCB is not affiliated with Greer Amps. The value for *R2 is not a standard value in regards to guitar pedals and a close substitution will provide similar results such as 422k.

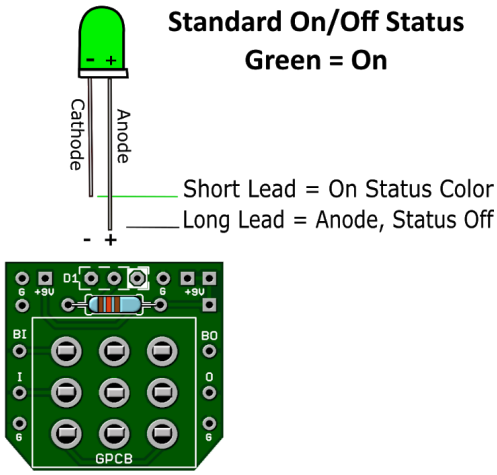
**The Taper of either the Tone or Drive potentiometers work as expected using a B Taper. Read this ARTICLE to understand why we choose the Taper based on USA/Asia markings vs. circuits originally manufactured in Europe. You will see our method is correct and makes perfect sense. We included extra Power and Ground pads for wiring ease.

Note that the top of the circuit board is recessed for Power Jack placement and a set of connections are provided for convenience. Alternatively use our traditional set of pads across the bottom.



STATUS LED

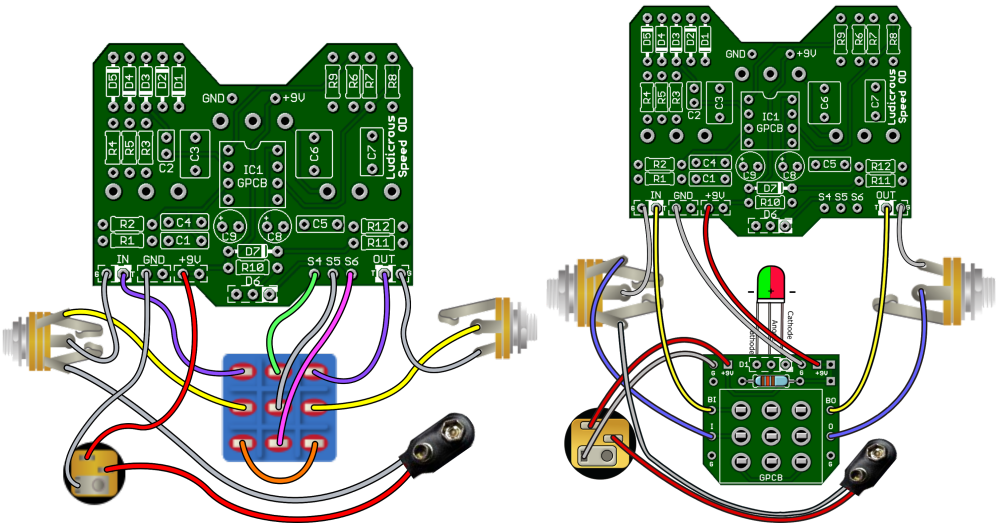




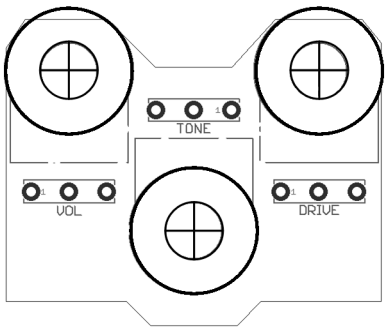
Note: If wiring the LED to our 3PDT board no need to connect S4, S5 & S6 or populate D6 or R10 (CLR) on the main board since you are wiring your LED directly to our board.

Direct Online Link: [3PDT Wiring Board Build Document]

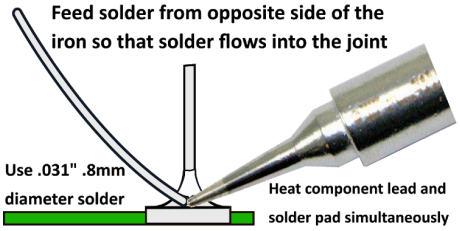
Be sure your In/Out Jack wiring is correct. A Stereo Jack (for battery use only) has a RING lug which is used to connect to the battery ground. If you do not intend to use a battery there is no need for a Stereo Jack. If using Stereo then only use the Tip and Sleeve lugs. S4, S5 & S6 is only needed when the LED is wired to the Main Board.



DRILL GUIDE



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.

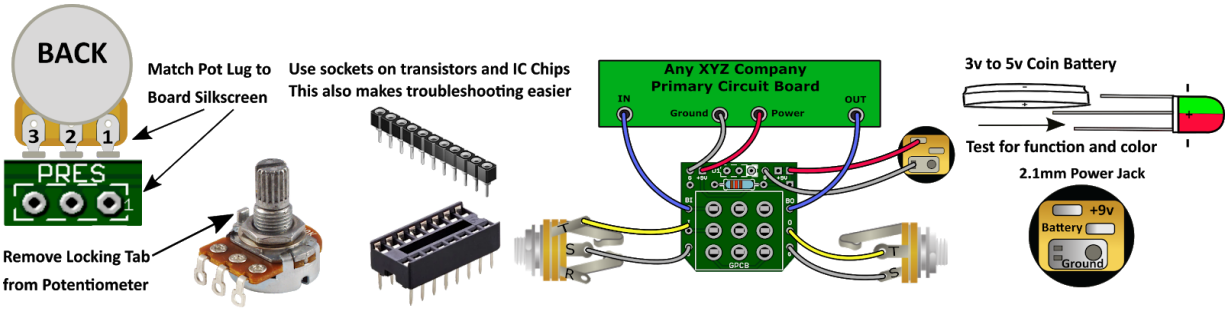


A good solder joint should be shiny and look like this:

* Carefully re-flow suspect solder joints.
* Clean and tin your Tip regularly.

When soldering wire to the board push the protective PVC jackect flush with the board and pad.

Use the right tools for the job and be patient.
If you need help ask questions first at the GuitarPCB forum.
We are there to help and we know our products best.



Need a kit?
USA – Check out PedalPartsAndKits for all your needs.
Europe – Das Musikding carries both boards and kits as a service to our Europeans friends.
Australia - PedalPartsAustralia.com carries GuitarPCB Boards and Kits direct.
If they do not have a KIT listed send them a note asking if they can help you out.

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