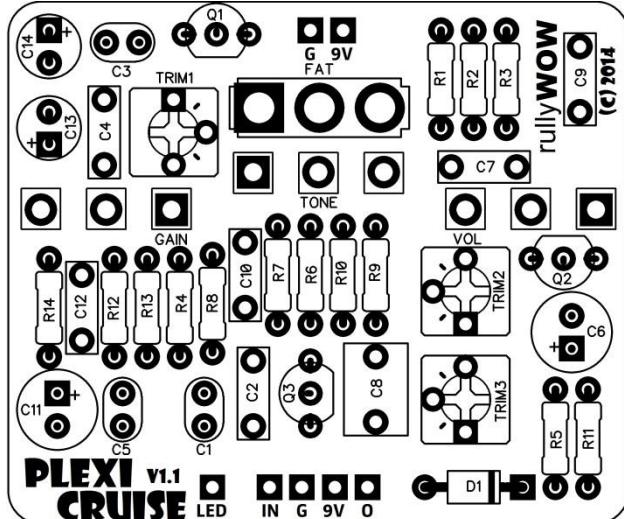


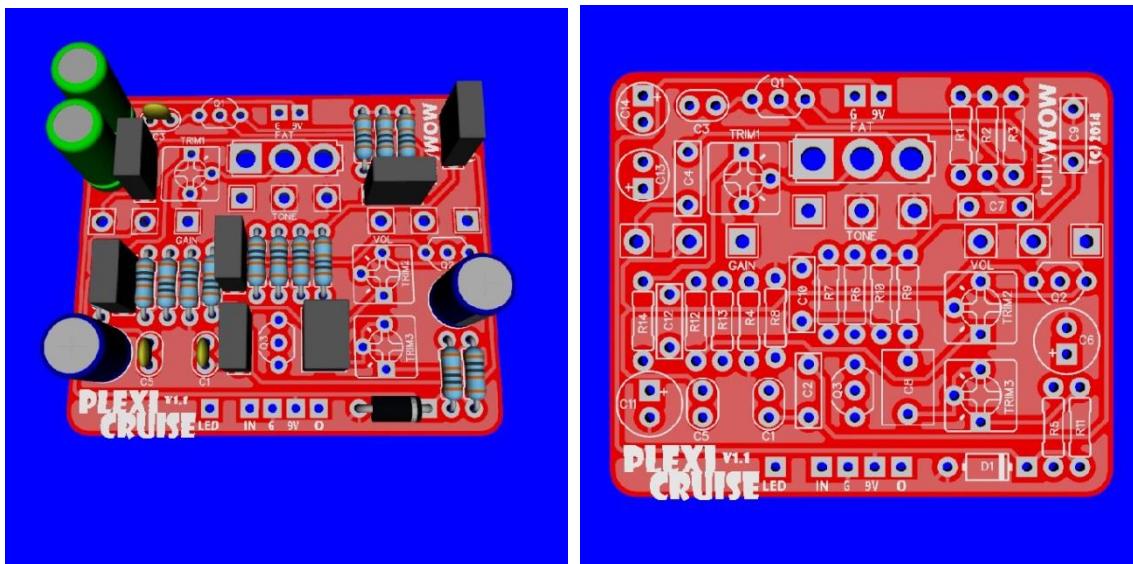
# PLEXICRUISE

FX type: distortion

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PCB Dimensions (1.9" x 1.6")



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## Components - By Location

Caps			Resistors		Diodes	
<b>C1</b>	<b>47pF</b>	ceramic	<b>R1</b>	<b>2M2</b>	<b>D1</b>	<b>1n4001</b>
<b>C10</b>	<b>100n</b>	film	<b>R2</b>	<b>1M</b>	Pots	
<b>C11</b>	<b>100uF</b>	electro	<b>R3</b>	<b>1k</b>	<b>GAIN</b>	<b>500kA</b>
<b>C12</b>	<b>100n</b>	film	<b>R4</b>	<b>1k</b>	<b>TONE</b>	<b>25kA</b>
<b>C13</b>	<b>10uF</b>	electro	<b>R5</b>	<b>1k</b>	<b>VOL</b>	<b>100kA</b>
<b>C14</b>	<b>10uF</b>	electro	<b>R6</b>	<b>10k</b>	<b>TRIM1</b>	<b>50k</b>
<b>C2</b>	<b>22n</b>	film	<b>R7</b>	<b>100k</b>	<b>TRIM2</b>	<b>50k</b>
<b>C3</b>	<b>470pF</b>	film	<b>R8</b>	<b>1k</b>	<b>TRIM3</b>	<b>50k</b>
<b>C4</b>	<b>2n2</b>	film	<b>R9</b>	<b>15k</b>	Switch	
<b>C5</b>	<b>220pF</b>	film	<b>R10</b>	<b>15k</b>	<b>FAT</b>	<b>SPDT</b>
<b>C6</b>	<b>47uF</b>	electro	<b>R11</b>	<b>10R</b>	Transitors	
<b>C7</b>	<b>22n</b>	film	<b>R12</b>	<b>2k2</b>	<b>Q1</b>	<b>J201</b>
<b>C8</b>	<b>1uF</b>	film	<b>R13</b>	<b>2k2</b>	<b>Q2</b>	<b>J201</b>
<b>C9</b>	<b>2n2</b>	film	<b>R14</b>	<b>330R</b>	<b>Q3</b>	<b>J201</b>

## Components - By Value

Caps			Resistors		Diodes	
<b>C12</b>	<b>100n</b>	film	<b>R7</b>	<b>100k</b>	<b>D1</b>	<b>1n4001</b>
<b>C11</b>	<b>100uF</b>	electro	<b>R6</b>	<b>10k</b>	Pots	
<b>C10</b>	<b>10n</b>	film	<b>R11</b>	<b>10R</b>	<b>GAIN</b>	<b>500kA</b>
<b>C13</b>	<b>10uF</b>	electro	<b>R9</b>	<b>15k</b>	<b>TONE</b>	<b>25kA</b>
<b>C14</b>	<b>10uF</b>	electro	<b>R10</b>	<b>15k</b>	<b>VOL</b>	<b>100kA</b>
<b>C8</b>	<b>1uF</b>	film	<b>R3</b>	<b>1k</b>	<b>TRIM1</b>	<b>50k</b>
<b>C5</b>	<b>220pF</b>	film	<b>R4</b>	<b>1k</b>	<b>TRIM2</b>	<b>50k</b>
<b>C2</b>	<b>22n</b>	film	<b>R5</b>	<b>1k</b>	<b>TRIM3</b>	<b>50k</b>
<b>C7</b>	<b>22n</b>	film	<b>R8</b>	<b>1k</b>	Switch	
<b>C4</b>	<b>2n2</b>	film	<b>R2</b>	<b>1M</b>	<b>FAT</b>	<b>SPDT</b>
<b>C9</b>	<b>2n2</b>	film	<b>R12</b>	<b>2k2</b>	Transitors	
<b>C3</b>	<b>470pF</b>	film	<b>R13</b>	<b>2k2</b>	<b>Q1</b>	<b>J201</b>
<b>C1</b>	<b>47pF</b>	ceramic	<b>R1</b>	<b>2M2</b>	<b>Q2</b>	<b>J201</b>
<b>C6</b>	<b>47uF</b>	electro	<b>R14</b>	<b>330R</b>	<b>Q3</b>	<b>J201</b>

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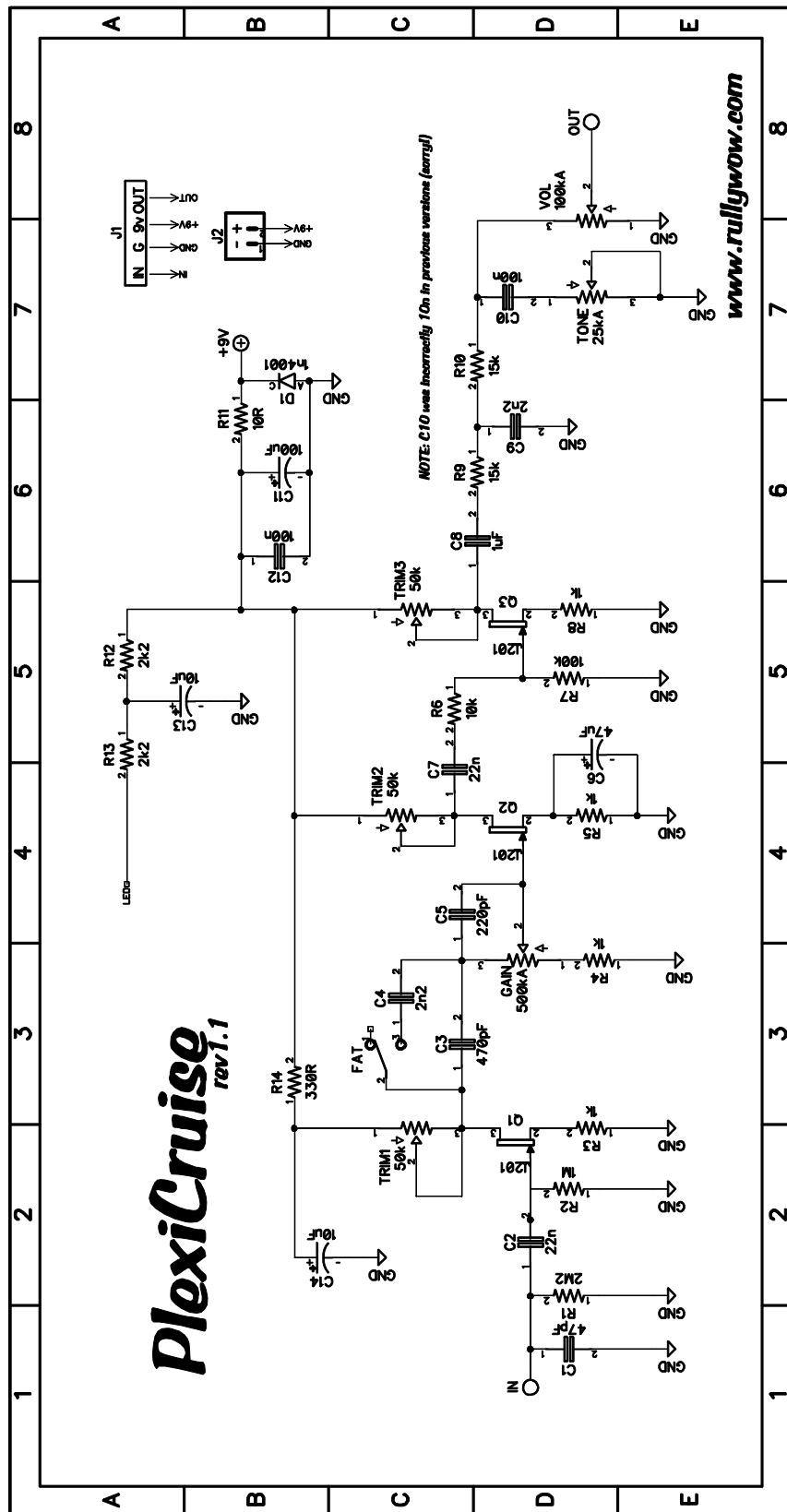
The **Plexicruise** PCB is based from the Wampler Plexidrive™. This circuit uses J201 transistors to achieve a cranked Marshall tone.

This is a medium level build, I would argue that the biasing of the J201's is the most difficult part but not too hard at all. Take your time with the build and you will be rewarded with a versatile, high-gain, plexi pedal!

**J201's** are to be biased at about half the supply voltage. If your supply voltage is 9VDC, then you will bias the drains at 4.5v. Check the datasheet on your J201 to see where the drain is. They typically are D/S/G from left to right, looking at the front however they can differ. Use the trim pots to dial in the bias voltage to 4.5v (half of your supply voltage). You can measure this by connecting your DMM's black lead to any ground point and the red lead clipped onto each J201's drain.

This PCB was designed to fit into a **1590B** enclosure nicely.

The **FAT switch** will allow you to add or remove bass frequencies with a flip of a toggle.

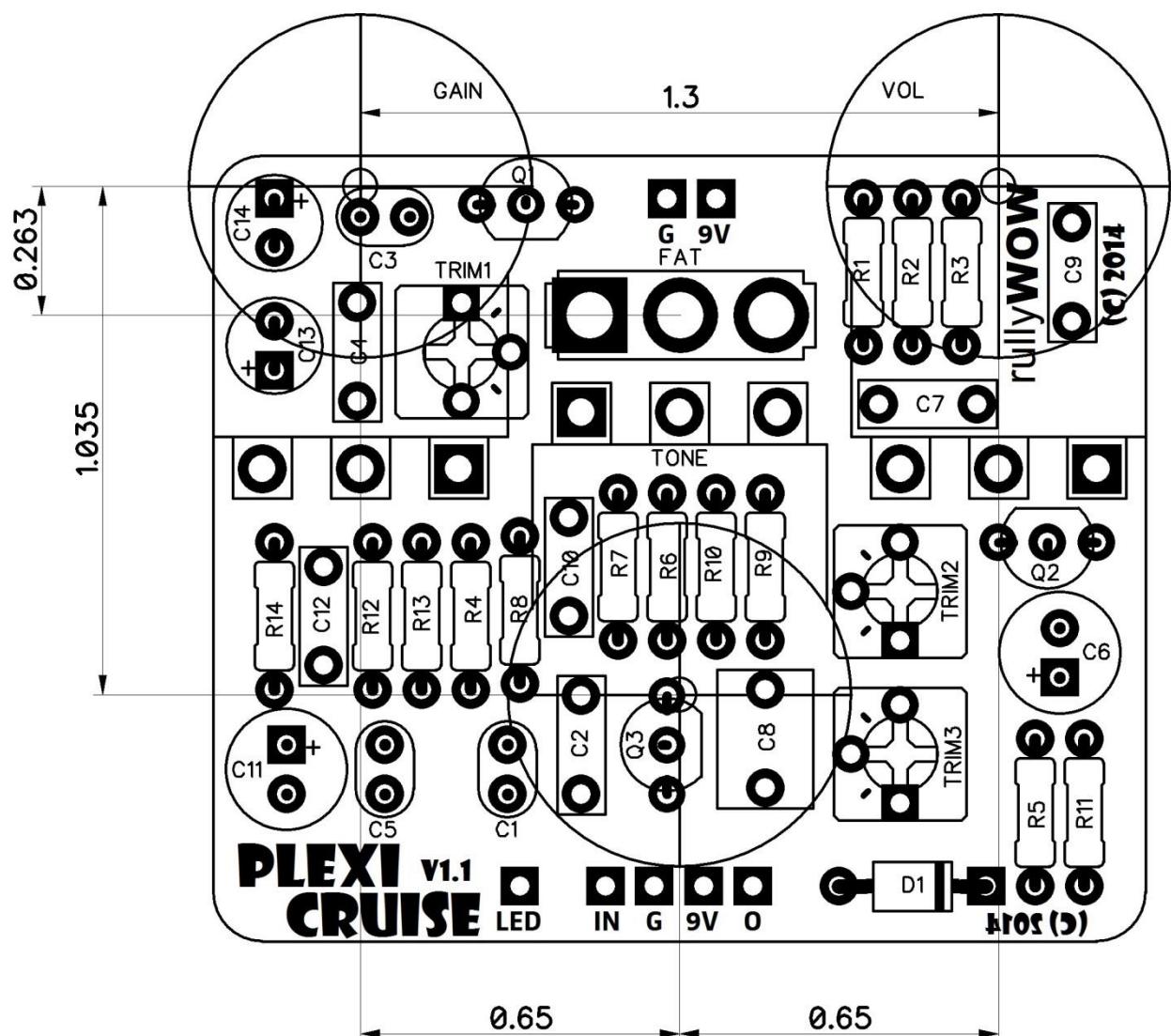


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# DRILL DIMENSIONS INCHES

## NOT TO SCALE

Always double check before committing to drill your enclosure!



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