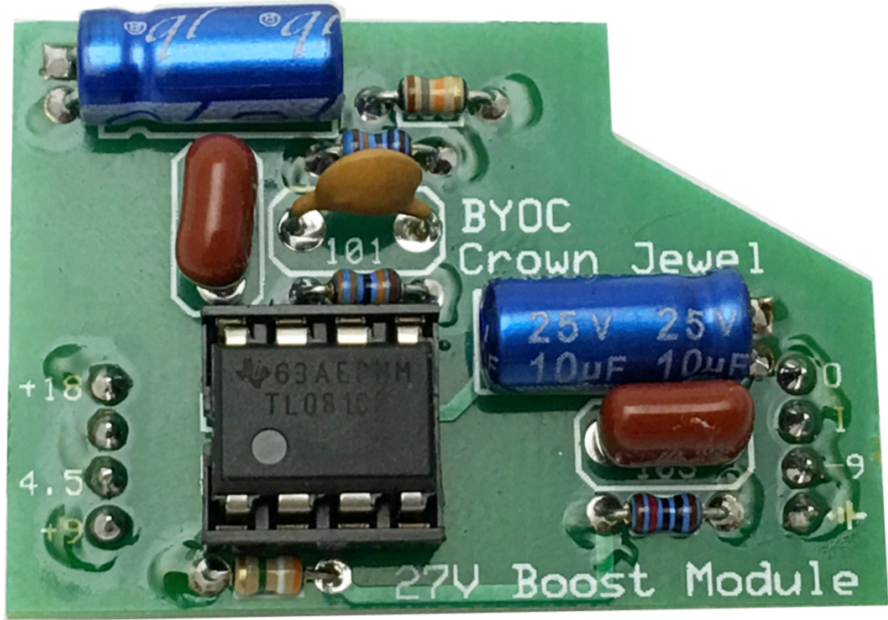


# Build Your Own Clone Crown Jewel 27V Boost Module Instructions



## Parts list for the Crown Jewel Treble Booster Module Pack

### Resistors:

- 1 - 10k/103 (Brown/Black/Black/Red/Brown)
- 1 - 18k/183 (Brown/Gray/Black/Red/Brown)
- 1 - 100k/104 (Brown/Black/Black/Orange/Brown)
- 1 - 330k/334 (Orange/Orange/Black/Orange/Brown)
- 1 - 3M9/395 (Orange/White/Green/Gold)

### Capacitors:

- 1 - 100p/101 ceramic disc (May say "101" on the body)
- 1 - .01uF/103 Film Cap (May say "103" on the body)
- 1 - .022uf/223 Film cap (May say "223" on the body)
- 1 - 4.7uF Electrolytic
- 1 - 10uF Electrolytic

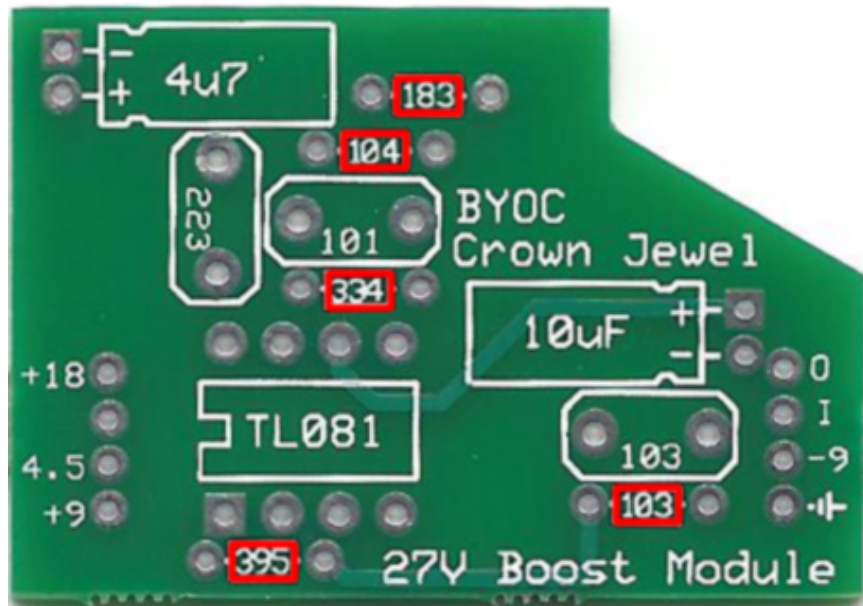
### IC:

- 1 - TL081 or similar single opamp

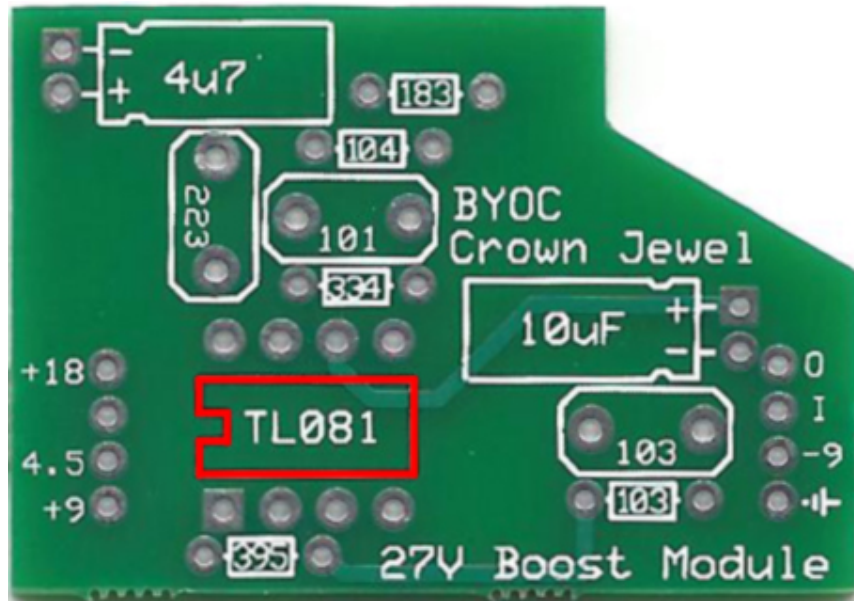
### Hardware:

- 1 - DIP-8 Socket
- 2 - 1X4 pins

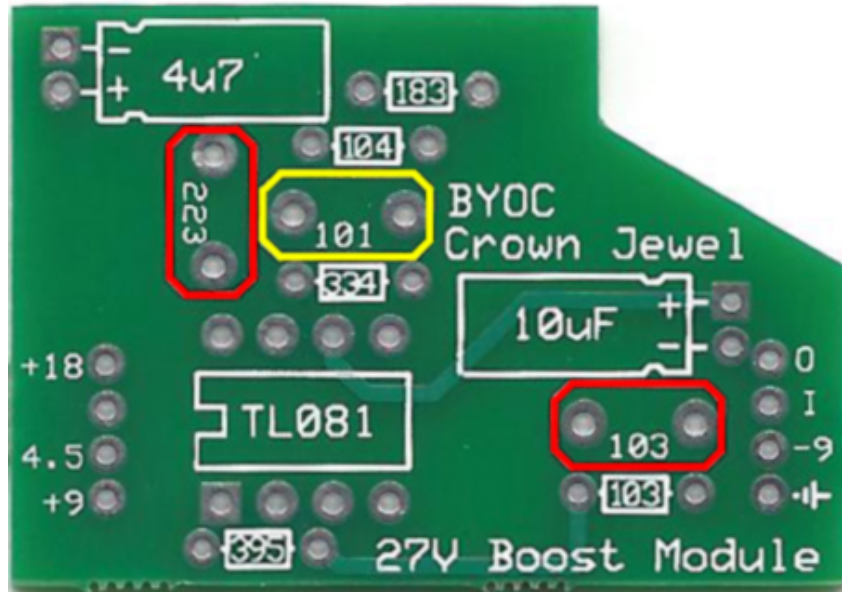
**Step 1:** Add the resistors. These are not polarized and can go in either direction.



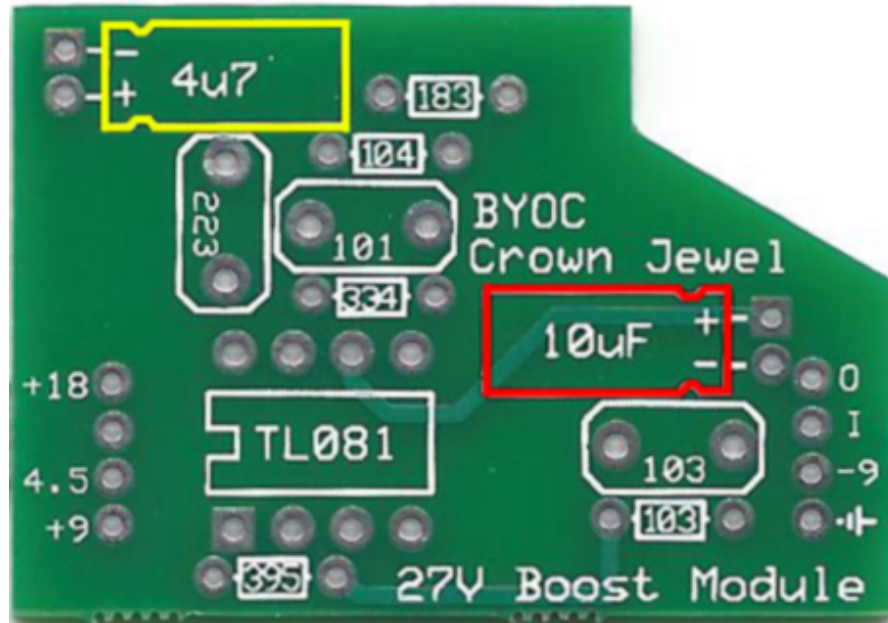
**Step 2:** Add the IC socket. Be sure to match the notch on the socket with the notch outline on the PCB screenprint.



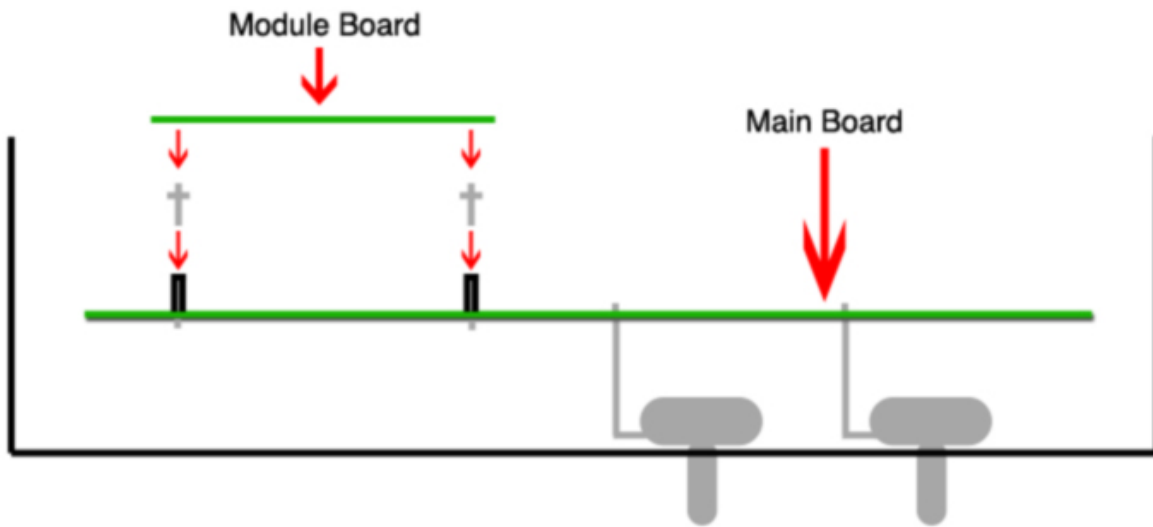
**Step 4:** Add the Film caps. These are not polarized and can be placed in either direction. The capacitor highlighted in yellow is the ceramic disc capacitor.

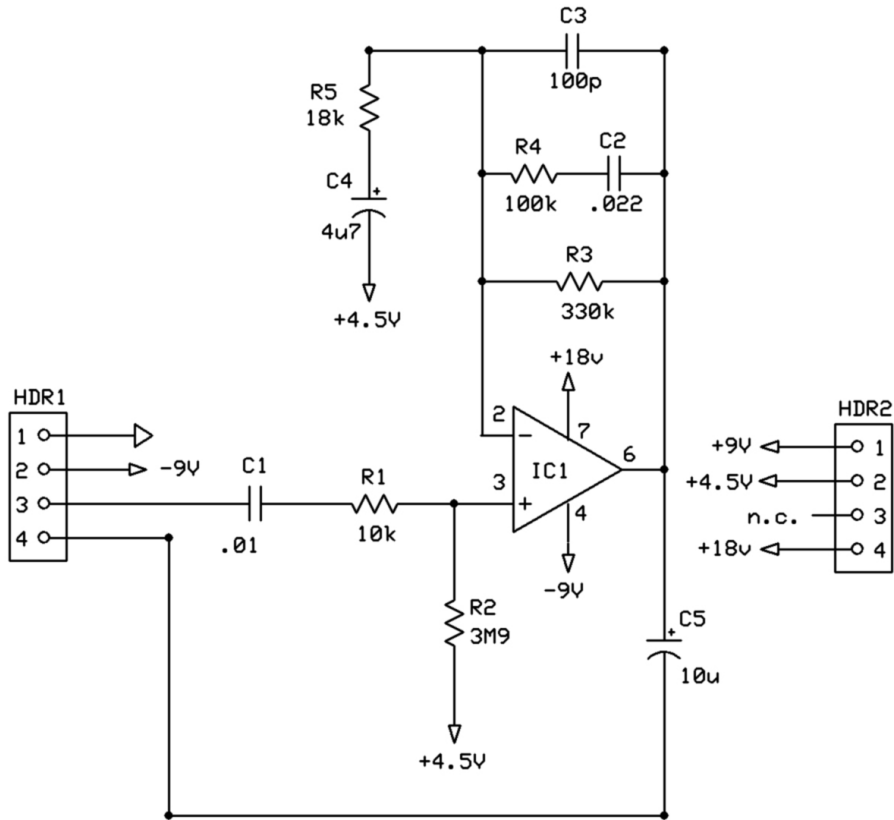


**Step 5:** Add the electrolytic capacitors. Before soldering, bend the capacitors so they lay flat along the screenprint outline. **The capacitor highlighted in yellow has a mistake on the Screenprint label. Be sure to put the long lead of the 4.7uF electrolytic into the square hole.**



**Step 6:** Insert the pins into the Crown Jewel header spots as shown below be sure to place the longer end of the pins into the headers. Once the pins are placed, guide the module board onto the pins and press down slightly so the module is sitting flush on the pins. Solder the top-side of the module at the pins. This helps align the pins and headers to the module board.





<b>Build Your Own Clone</b>		
<b>Crown Jewel/27v Boost Module</b>		
Designed by: K. Vonderhulls	Rev 1.0 3/14/2017	Copyright 2017