

Description:

The '0' character will appear at 7-segment indicator after supply connection. It means that pedal runned succesfully and current chain position is 0.

The digit means bypass and indicates current chain position. There are four chain positions. Every of them contain three types of audio effects. To change chain position, press button 0. If button 1 will be pressed the current effect in chain position will be changed. There are 10 steps of parameters changing for every effect. Button 2 can be used for changing them. The button 3 uses for switch to or from bypass mode. If chain position switches from 3 to 0, all settings will be reset.

The next effects available in dsPIC33 Audio Effects Pedal:
0:Hard Clipping, Soft Clipping, Compression. 1:LP Filter, BP Filter, HP Filter. 2:Chorus, Flange, Tremolo. 3:Delay, Echo,Reverb.

See pictogram in left-down corner.

Bill of elements:

IC's:

1 - DSPIC33FJ128GP802

2 - MCP602

1 - LF33

Resistors:

9 - 220

17 - 10k

4 - 1M

Capacitors:

12 - 0.1 uF

1 - 4.7 uF

4 - 10 uF

3 - 220 uF

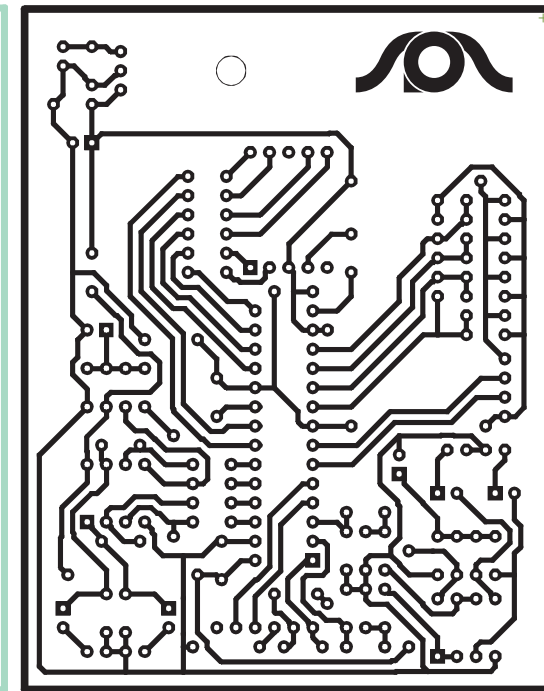
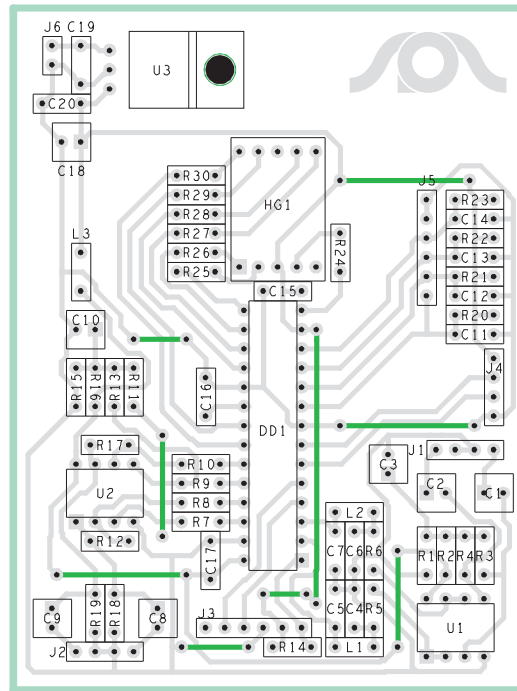
Inductors:

3 - 4.7 mH

7-segment indicators:

1-BS-A51-XRD

Connectors, cables, etc.



Green color lines: Scale 1:1, ready to transfer fuses on TOP layer

