

## Description:

The '0' character will appear at 7-segment indicator after supply connection. It means that pedal started successfully and current bank is 0.

The digit means bypass in bank with current number.

There are four banks. Every of them contain three types of audio effects. To change bank, press button 0. If button 1 will be pressed the current effect in bank will be changed. There are 10 steps for parameters changing for every effect. Button 2 could be used for this purposes. The button 3 uses for switch to or from bypass mode. If banks were switched from 3 to 0, all parameters settings will be dropped.

The next effects are available in dsPIC33 Audio Effects Pedal:

Bank 0: Hard Clipping, Soft Clipping, Compression.

Bank 1: LP Filter, BP Filter, HP Filter.

Bank 2: Chorus, Flange, Tremolo.

Bank 3: Delay, Echo, Reverb.

See pictogram in lower-left corner.

## Billofelements :

### IC's:

1 - DSPIC33FJ128GP802

2 - MCP602

1 - LF33

### Resistors:

9 - 220

17 - 10k

4 - 1M

### Capasitors:

12 - 0.1 uF

1 - 4.7 uF

4 - 10uF

3 - 220uF

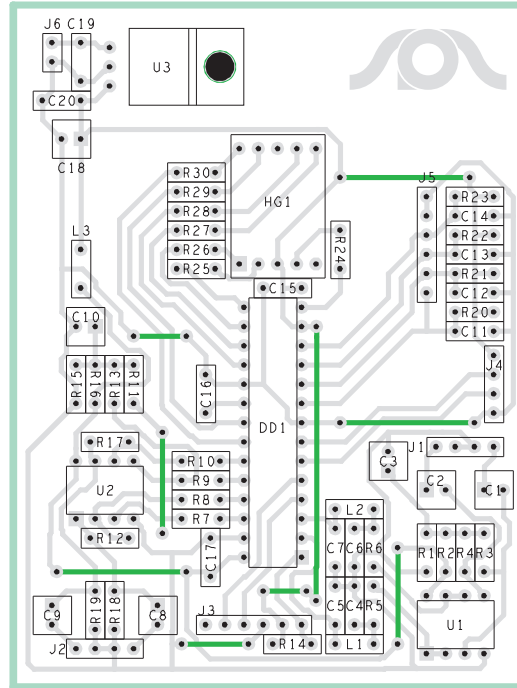
### Inductors:

3 - 4.7 mH

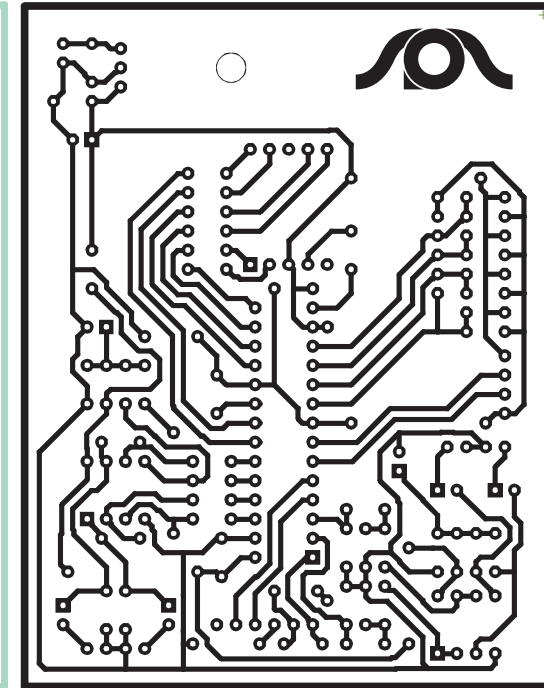
### 7-segment indicators:

1-BS-A51-XRD

Connectors, cables, etc.



Green lines:  
fuses on TOP layer



Scale 1:1, ready to transfer

