

User's manual:

When supply voltage connect you will see 1 on 7-segment indicator. The digit means bypass and displays number of position in chain. You can set 2 types of algorithms in every chain position. In first chain position you can set "Hard Clipping" (h displays at indicator) or "Square root clipping" (S). If you need to select algorithm type you must press button 1. Button 2 sets the parameter value of algorithm. There 10 parameter values at every algorithm. If you need set second position in chain press button 0. There you can set "Tremolo" (t) or "Flange" (F). In third and last chain position you can set "Delay" (d) or "RevDelay" (r). When chain position changes from 3 to 1, all settings set to initial state. You can see chain structure at right-down corner of sheet.

Bill of elements:

IC's:

- | |
|-----------------------|
| 1 - DSPIC33FJ128GP802 |
| 2 - MCP602 |
| 1 - LF33 |

Resistors:

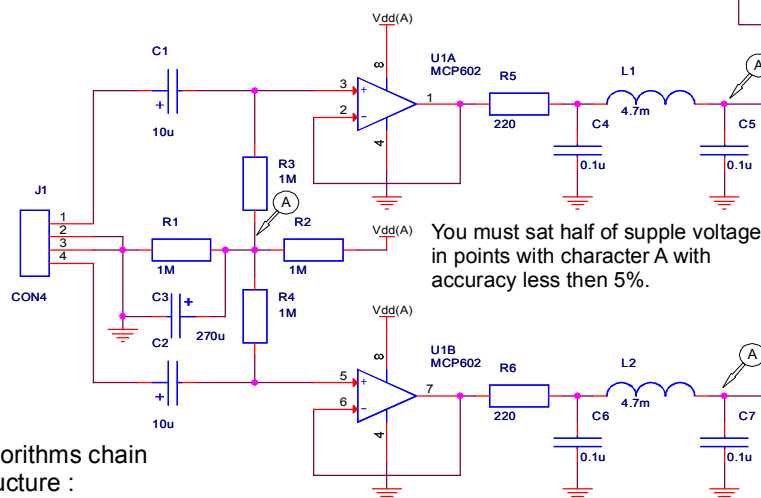
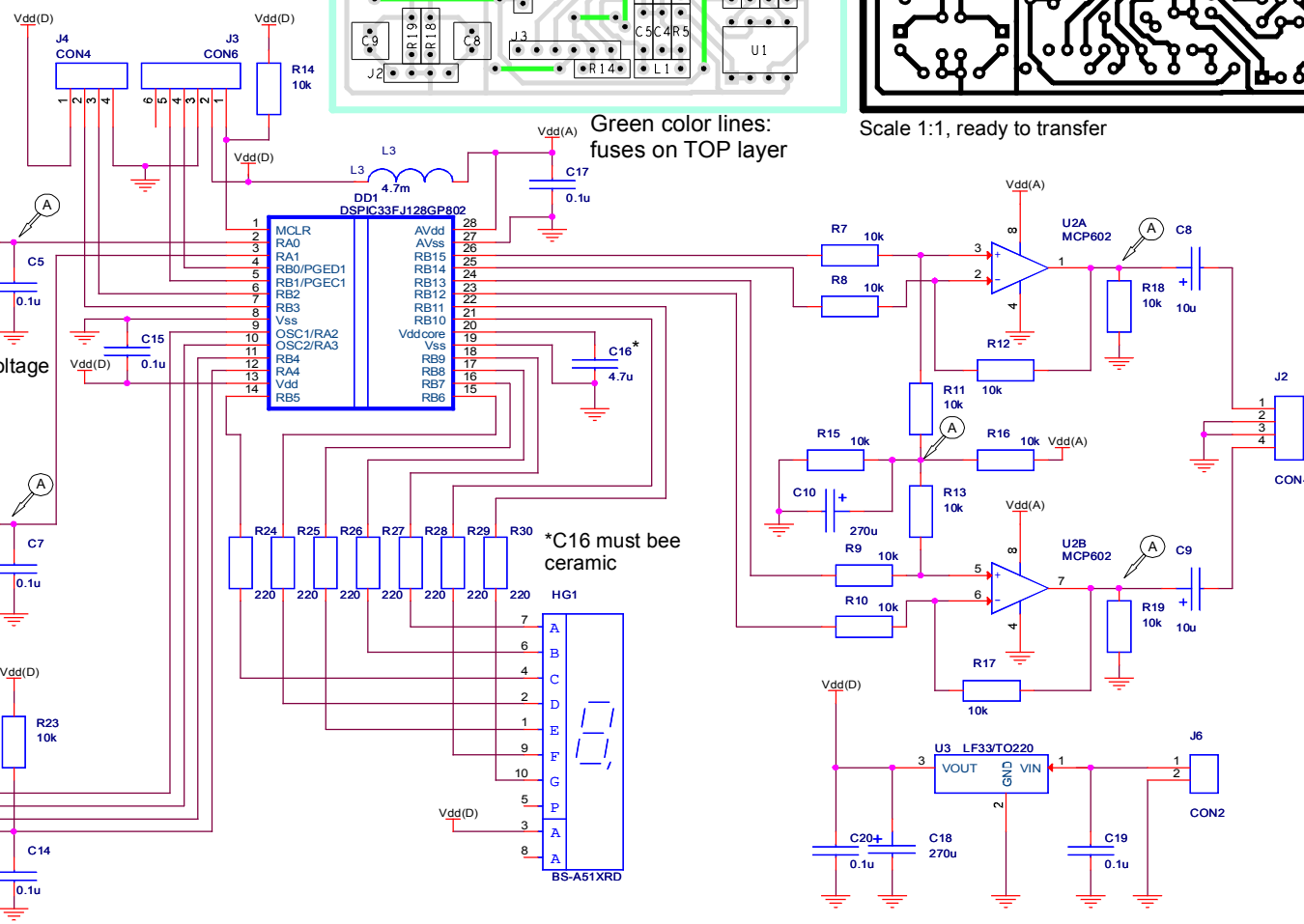
- | |
|----------|
| 9 - 220 |
| 17 - 10M |
| 4 - 1M |

Capasitors:

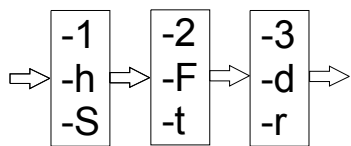
- | |
|------------------|
| 12 - 0,1 μ F |
| 1 - 4,7 μ F |
| 4 - 10 μ F |
| 3 - 220 μ F |

Inductors:

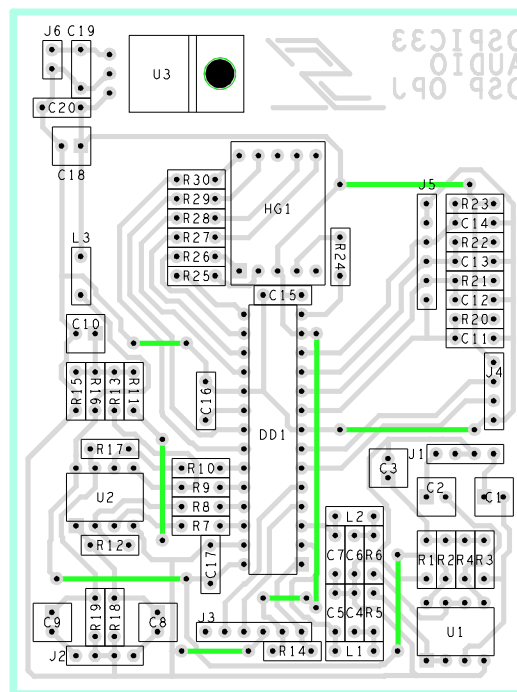
- 3 - 4.7 mH



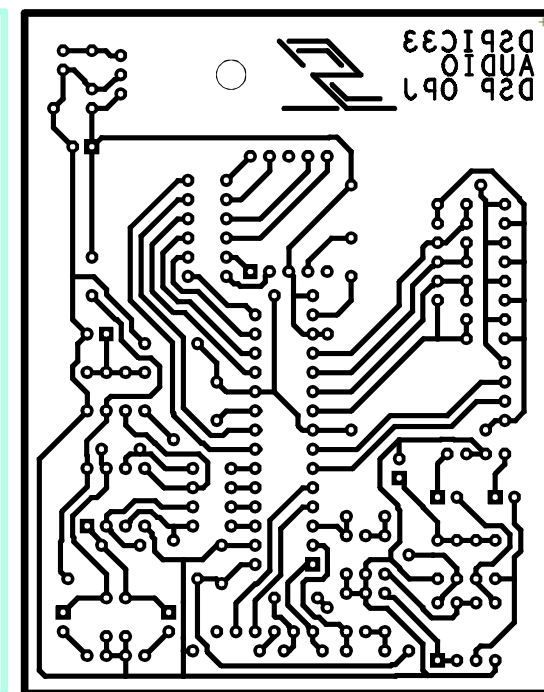
Algorithms chain structure :



Button 0 - 1-st pin of J5.
 Button 1 - 2-nd.
 Button 2 - 3-rd.
 4-th pin of J5:
 if connect to "ground" - bypass.
 Programmer/debugger to J3.



a) Green color lines:
fuses on TOP layer



Scale 1:1, ready to transfer