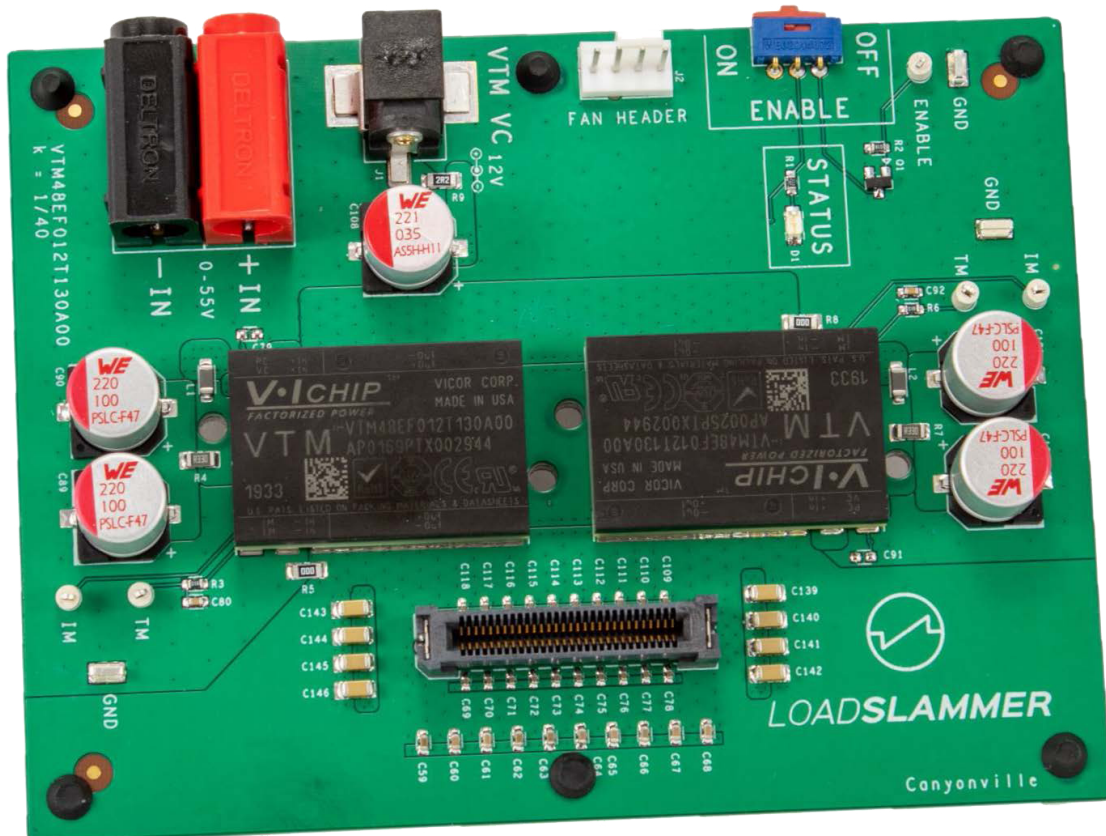


LoadSlammer™

Canyonville Quick Setup Guide



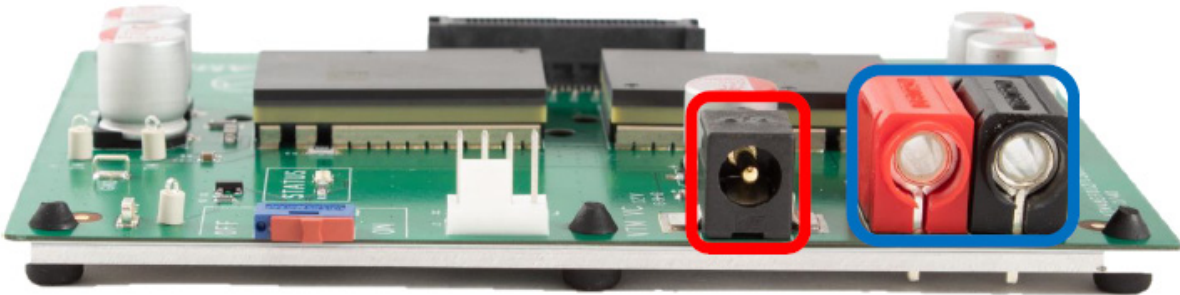
1 INTRODUCTION

The LoadSlammer™ Canyonville board has a variety of applications allowing the user to calibrate, validate, and test devices with exceptional PDN characteristics. The board is capable of multi-phase testing, large signal stability analysis, continuous (230Amps), and transient (500Amps) output with adjustable voltage and current. This guide will be providing instructions about this product. The LoadSlammer™ Canyonville board is best used with the LoadSlammer™ Pro GUI, which can be downloaded from the website at <https://loadslammer.com/downloads/>. For further assistance with the LoadSlammer™ Pro GUI, please refer to the LoadSlammer™ Pro GUI Guide.

2 SETTING UP THE BOARD

To properly power the board, connect the provided **12V barrel jack*** into the plug located near the center of the edge. Once connected, the status light on the board will activate, letting the user know the board is on. Next, provide the recommended 40 volts to the positive and negative **banana plugs** located to the right of the barrel jack, which will provide 1 volt on the output.

**Note: Please use 12V barrel jack provided with LoadSlammer™ Canyonville board and NOT the 24V barrel jack provided with LSP1000/1000RS devices.*



2.1 ADJUSTING OUTPUT VOLTAGE

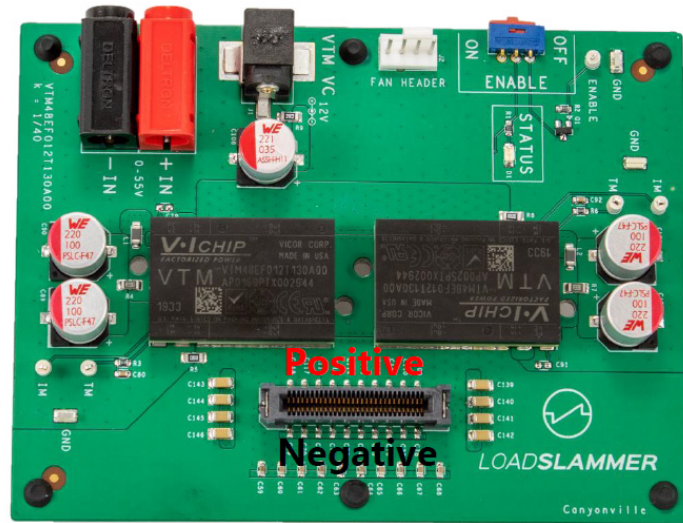
If the user desires to use an output voltage other than the recommended 1 volt, voltage can be adjusted by changing input voltage. The input to output voltage works as a 40 to 1 ratio, therefore if the user wanted to have 1.25 volts on the output, then the input needs to be 50 volts. The LoadSlammer™ Canyonville board can use 0 to 55 volts as the input, which is equivalent to 0 to 1.375 volts on the output.

Warning: Do not exceed 56 Volts on the input to ensure safety of the user and functionality of the board.



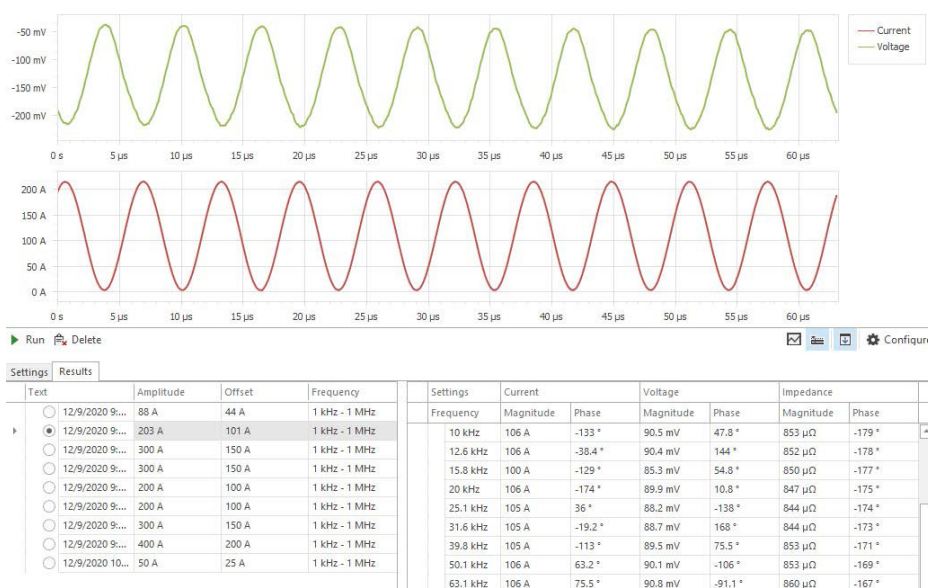
2.2 CONNECTING THE LOADSLAMMER DEVICE

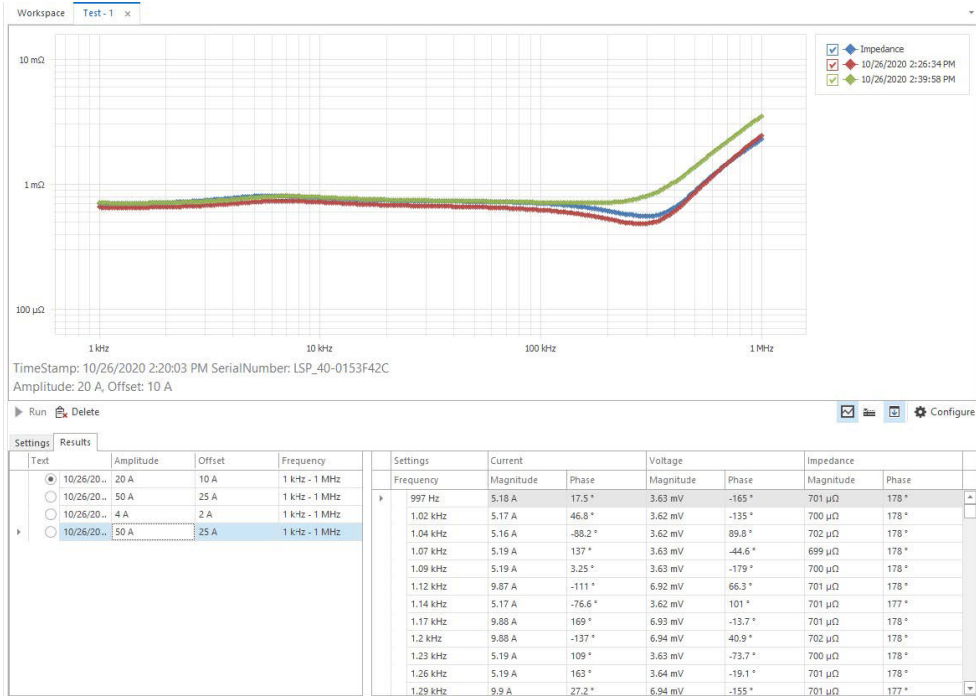
When connecting LoadSlammer™ Pro devices to the LoadSlammer™ Canyonville board, ensure that the positive side the LoadSlammer faces towards the heat sink, while the negative side faces outward away from the board.



3 RUNNING TESTS

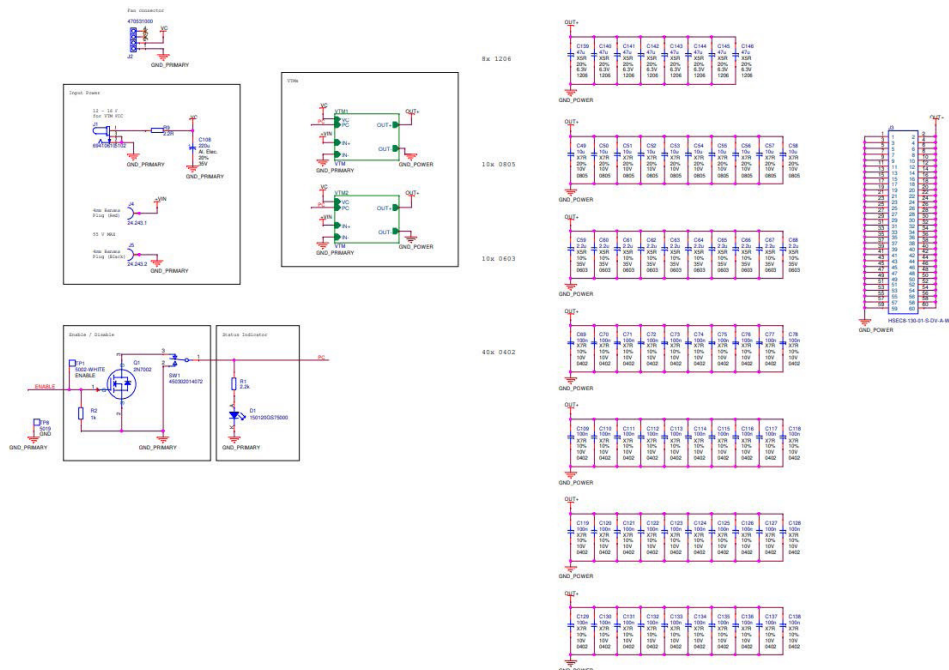
Using the LoadSlammer™ GUI, the user can create and configure tests using the LoadSlammer™ Canyonville board. For example, Impedance testing can be performed on the LoadSlammer™ Canyonville board with output graphs displaying either Time or Frequency domain. For more details or help on testing, please refer to the LoadSlammer GUI Guide.

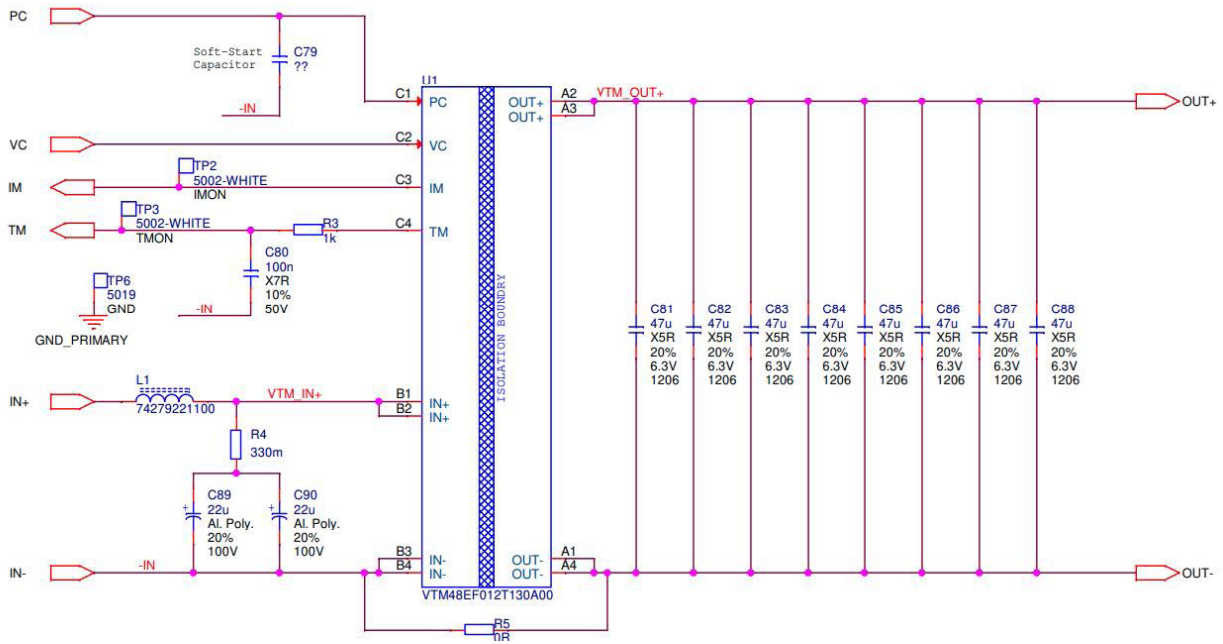




4 BOARD SCHEMATICS

Using the LoadSlammer™ GUI, the user can create and configure tests using the LoadSlammer™ Canyonville board. For example, Impedance testing can be performed on the LoadSlammer™ Canyonville board with output graphs displaying either Time or Frequency domain. For more details or help on testing, please refer to the LoadSlammer GUI Guide.





5 SUPPORT

For all other questions, please contact us at support@loadslammer.com.

6 CHANGE HISTORY

Revision Number	Date	Reason for change
0.1	December 3, 2020	Initial Release

