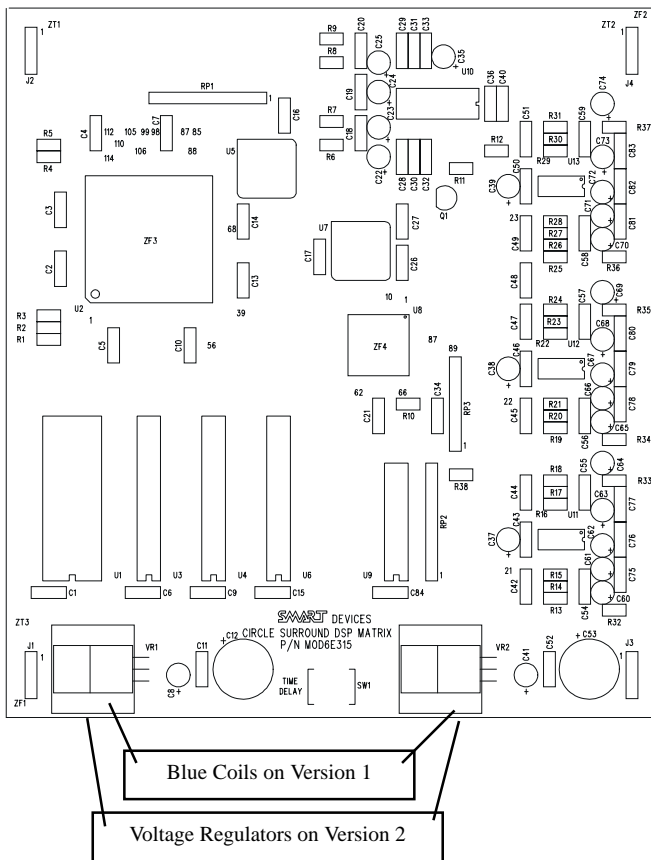


### MOD VI Power Supply Wiring versus Matrix Type

The MOD VI matrix has been through three major versions, and the power requirements are different for the last two versions versus the first. The first matrix needs a +5VDC supply, while the later versions need a +15VDC supply.



The first and second versions are DSP based and use the same board but have different components in the power section. Please look at this diagram of the matrix board for the differences between the two versions. Along the bottom edge of the board are two components marked VR1 and VR2. In the first version which needs +5VDC, these two components are blue coils about 1/2 inch in diameter. On the second version, which needs +15VDC, VR1 is a switching regulator module and VR2 is a 7805 regulator IC.

The third version is analog based and uses a completely different board. (PC Board Part # MOD6x317)

Please determine which matrix you have BEFORE connecting the power supply to the MOD VI. The power supply wiring is different for the first version versus the later versions. Connecting an incorrectly wired power

supply may result in no sound or a destroyed matrix.

On the MOD VI power connector for the first version, the brown wire is connected to the fourth terminal.

On the MOD VI power connector for the later versions, the brown wire is NOT connected, and the red wire is connected to the first and fourth terminals.

Please call SMART at 1-800-45-SMART if you have any questions or e-mail [service@smartdev.com](mailto:service@smartdev.com)