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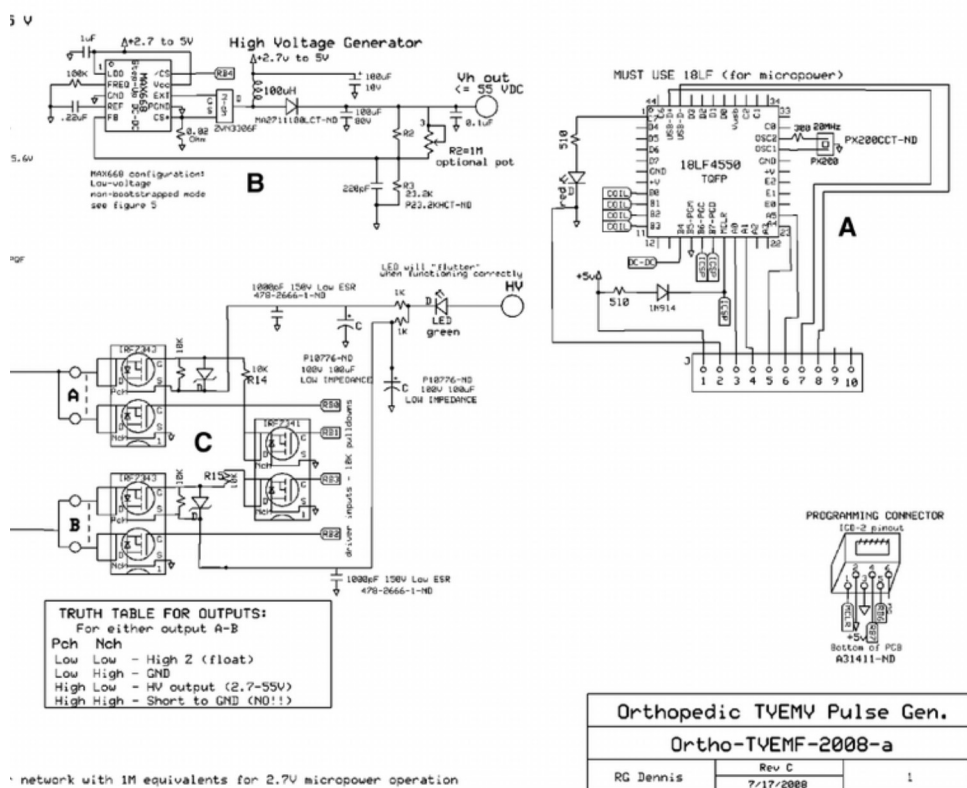
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network with 1M equivalents for 2.7V micropower operation

am of the stimulation bioreactor. Schematic for the circuit highlighting (A) the microcontroller, -DC converter, and (C) the pulse circuit.

publication

Bioreactor for Stimulating Skeletal Muscle In Vitro

Full-text available

9

neth Donnelly · Alastair Khodabukus · Andrew Philp · [...] · Keith Baar

For 300 years, scientists have understood that stimulation, in the form of an electrical impulse, is required for normal muscle function. More recently, the role of specific parameters of the electrical pulse (i.e., the pulse amplitude, pulse width, and work-to-rest ratio) has become better appreciated. However, most existing bioreactor systems...

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