

+350VDC 5W High Voltage MuxCapacitor®

The Helix Semiconductors High Voltage MuxCapacitor solution offers the highest energy efficiency for a 5W DC-DC power supply. A multi-gain MuxCapacitor delivers the optimum voltage to an external output regulator. The High Voltage MuxCapacitor maximizes no-load and standby operation power efficiency.

The High Voltage MuxCapacitor includes reset, internal references and regulation & gain control logic. The High Voltage MuxCapacitor's high efficiency reduces thermal loading for lower packaging costs. Other output voltages are available with a simple gain trim.

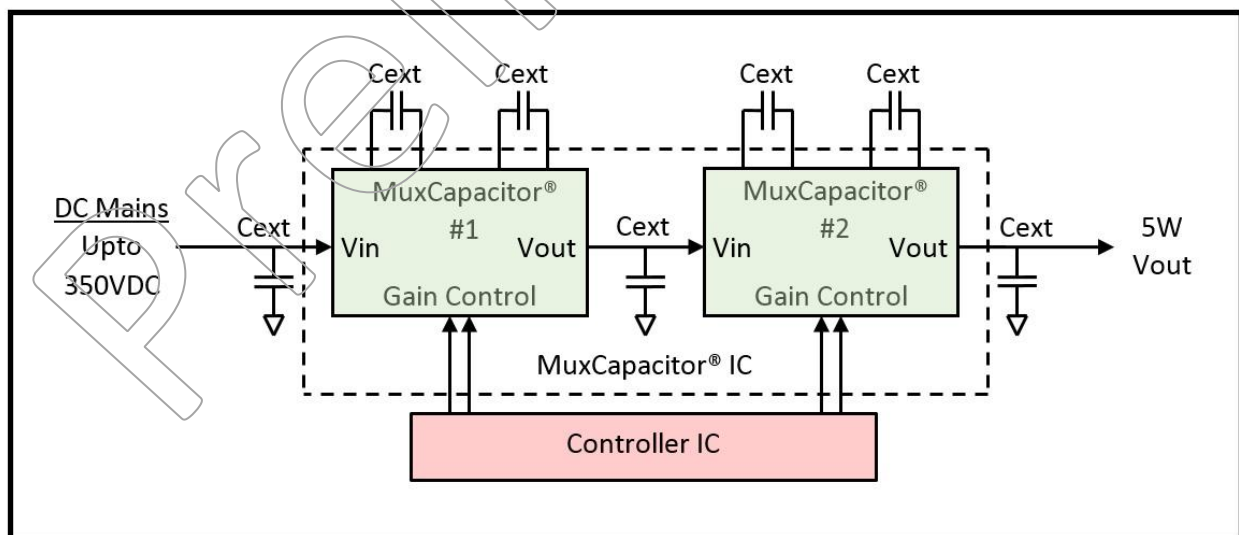
Features

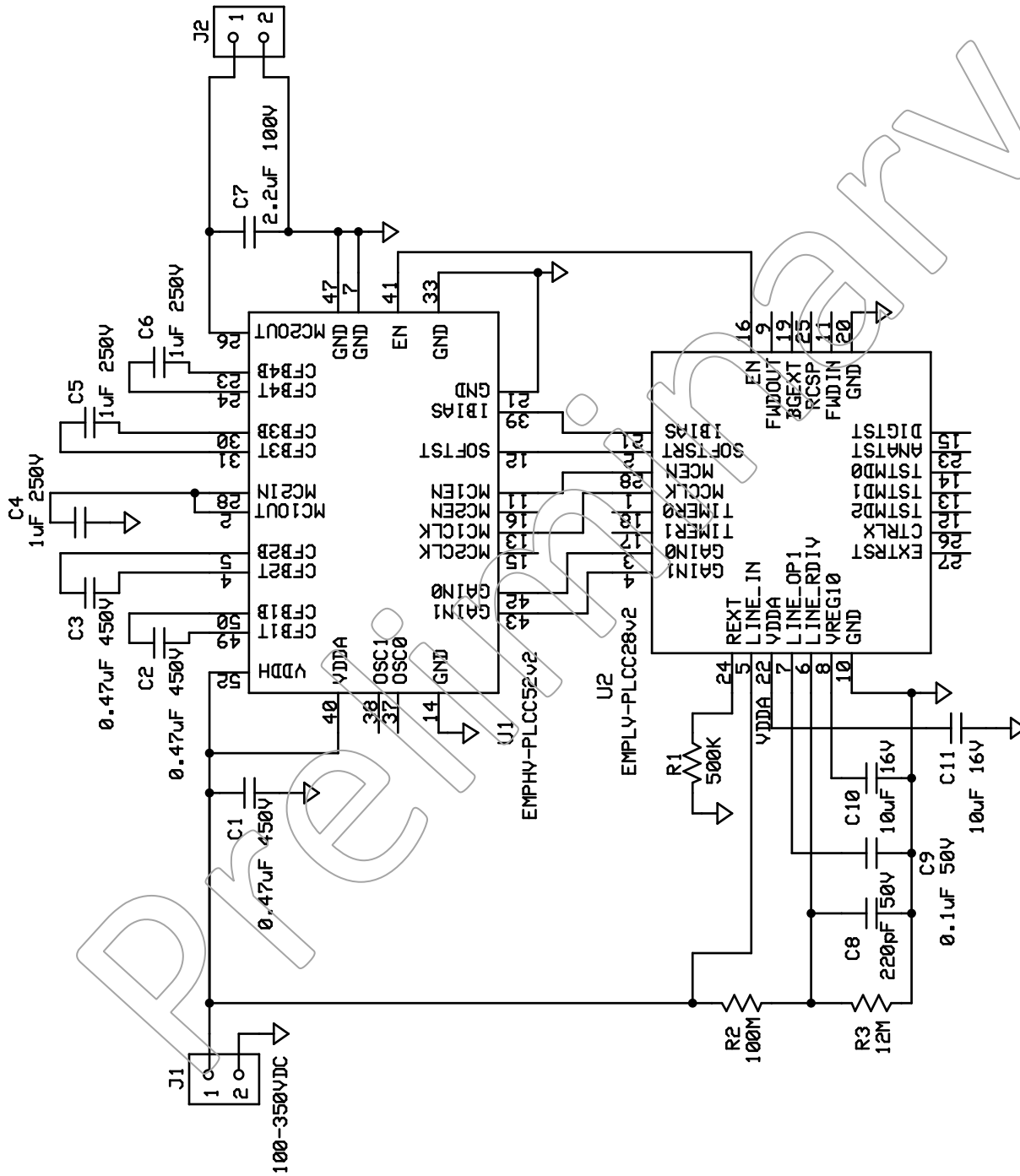
- +350VDC Input Voltage
- High Voltage MuxCapacitor
- Soft-Start
- 5W Output
- > 90% Efficiency from 100mW to 5W
- 10mW No-Load Power Consumption

Applications

- Smart Outlets
- IoT and IIoT Gateways
- Remote Sensors
- Smoke and CO Detectors

Block Diagram





Application Schematic