



Using HTC551 with SIMPLE SWITCHER®

This application note uses HTC551 to control three Switching Power converters. Here is short list of benefits from using HTC551 in this application:

- Delayed startup feature is important if input power source (15V source in schematics below) is limited in the amount of current it can deliver.
- Provides controlled power on sequence, which is critical for reliability of product. Some multi-volt integrated IC's might even be destroyed if not powered up correctly.
- Some applications require regulator to be OFF until input voltage reaches predetermined value. This is to prevent power supply oscillations and glitches at power up.
- Some integrated IC's specify power voltage rise time in order to guarantee lockup free operation. To guarantee this delayed startup is used to allow input power source to stabilize.

This example is using "SIMPLE SWITCHER" power converters from National Semiconductor. Those are very useful and popular power converters. HTC551 uses ON/OFF pin to control power up sequence of those three converters. Please see schematics. Data sheet for "SIMPLE SWITCHER" are available at <http://www.national.com> . SIMPLE SWITCHER® is registered trademark of National Semiconductor Corporation.



