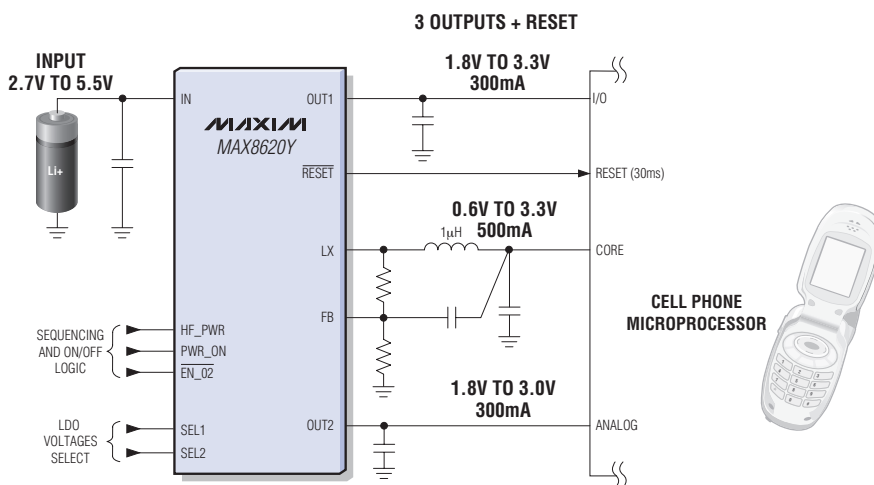


FIRST STEP-DOWN DC-DC IN A 3mm x 3mm TDFN THAT INTEGRATES 2 LDOs PLUS RESET

500mA Output and Over 90% Efficiency for Low-Voltage Microprocessor-Based Portables

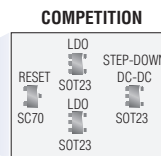
The MAX8620Y micropower-management IC powers microprocessors in cell phones and smartphones where efficiency and total solution size are critical. Packaged in a 9mm² TDFN, it integrates a 500mA step-down DC-DC converter, two 300mA low-dropout linear regulators, and a 30ms reset. The 4MHz step-down converter uses a space-saving, low-profile 1µH inductor and tiny ceramic capacitors. Its fast 100ns transient response fits demanding applications like graphics processing, video streaming, and gaming.



THE MAX8620Y'S INTEGRATED SOLUTION SAVES 78% BOARD AREA vs. THE COMPETITION



VS.



- ◆ 500mA, Step-Down DC-DC Output Down to 0.6V
- ◆ Internal Synchronous Rectifier Provides Up to 92% Efficiency
- ◆ Internal Soft-Start Eliminates Inrush Current
- ◆ Two 45µV_{RMS} Low-Noise LDOs
- ◆ Pin-Selectable LDO Output Voltages
- ◆ Supports Hands-Free Power Enabling
- ◆ EV Kit Available to Speed Designs
- ◆ Priced at \$2.20[†]

[†]\$2.5k piece price provided is for design guidance and is FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



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