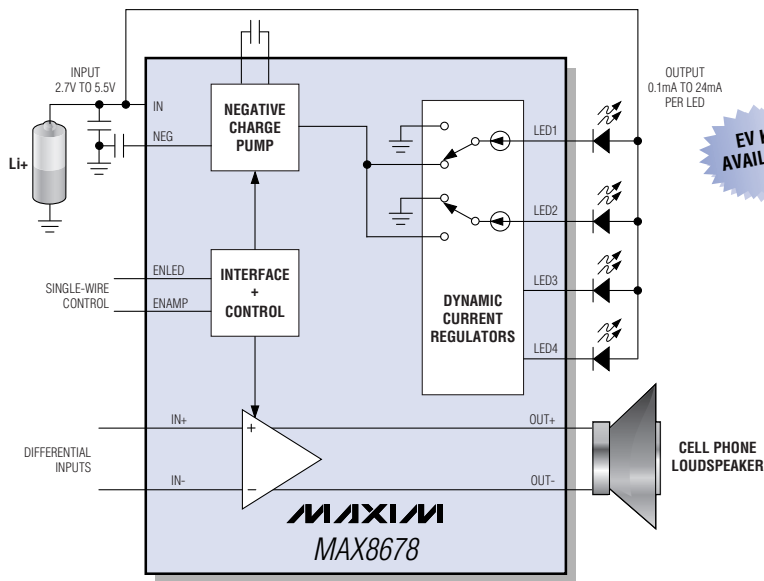


# FIRST LED CHARGE PUMP TO INTEGRATE AUDIO AMP SAVES 50% SPACE

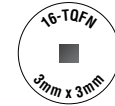
Differential Input, 1.1W Amplifier Provides Excellent Noise Immunity



EV KIT  
AVAILABLE

Maxim's SOLUTION = 9mm<sup>2</sup>  
50% SMALLER  
THAN COMPETITION

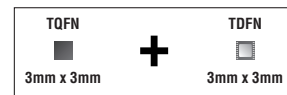
PRICES START  
AT \$1.36†



VS.

COMPETITIVE SOLUTION = 18mm<sup>2</sup>

6-LED CHARGE PUMP CLASS AB AMPLIFIER



## LED Charge Pump

- ◆ No Inductor Required
- ◆ Adaptive, Independent Current Regulator for Each LED
- ◆ 32 Pseudo-Logarithmic Dimming Levels, Down to 0.1mA
- ◆ Low 140µA Quiescent Current
- ◆ Single-Wire, Serial Pulse Dimming Interface

## Audio Amplifier

- ◆ Single-Supply Operation
- ◆ High 90dB PSRR at 1kHz
- ◆ Low 0.004% THD+N at 1kHz
- ◆ -9dB to +18dB Gain Settings in 3dB Steps
- ◆ Integrated Click-and-Pop Suppression
- ◆ No Output-Coupling Capacitors, Snubber Networks, or Bootstrap Capacitors Required

†2500-up recommended resale. Prices provided are for design guidance and are 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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