

INTRODUCING HVPAK™

PERSONALIZED POWER OF THE TOOTHBRUSHING EXPERIENCE

HVPAK (up to 26.4 V and 3 A per OUT) takes its roots from the [GreenPAK family](#) featuring its configurability and free GUI-based [software](#) to design the circuit without any programming language needed. It combines mixed-signal logic and **high-voltage H-/Half-bridge** functionality in **a tiny 2 mm x 3 mm QFN package**.

The HVPAK incorporates advanced PWM macrocells, enabling the simultaneous control of multiple motors with varying PWM frequencies and duty cycles. Its compact size and low idle current consumption make it highly versatile, expanding its range of potential applications. This tiny and thermally-efficient IC provides an ideal platform for designing mixed-signal functions alongside its high-voltage capabilities.

-  **High level of customization**
e.g., custom timers
-  **Very low standby current consumption - below 1 uA**
- Power On/Off using a single button
- LED indication
- Constant speed
- Over Current and Short Circuit protections

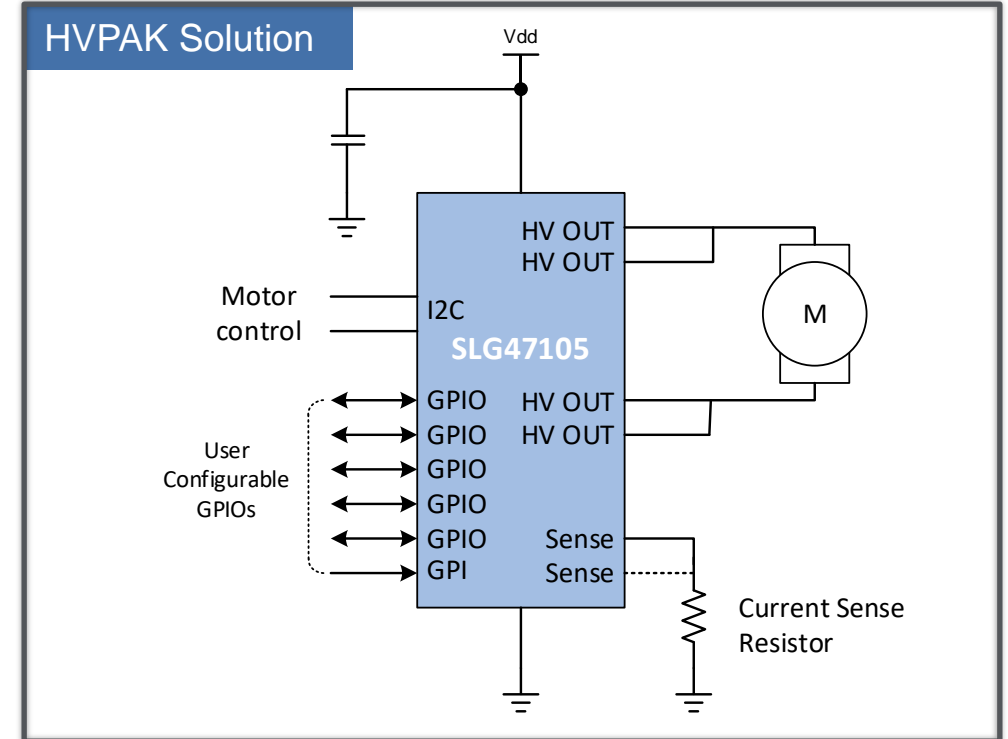
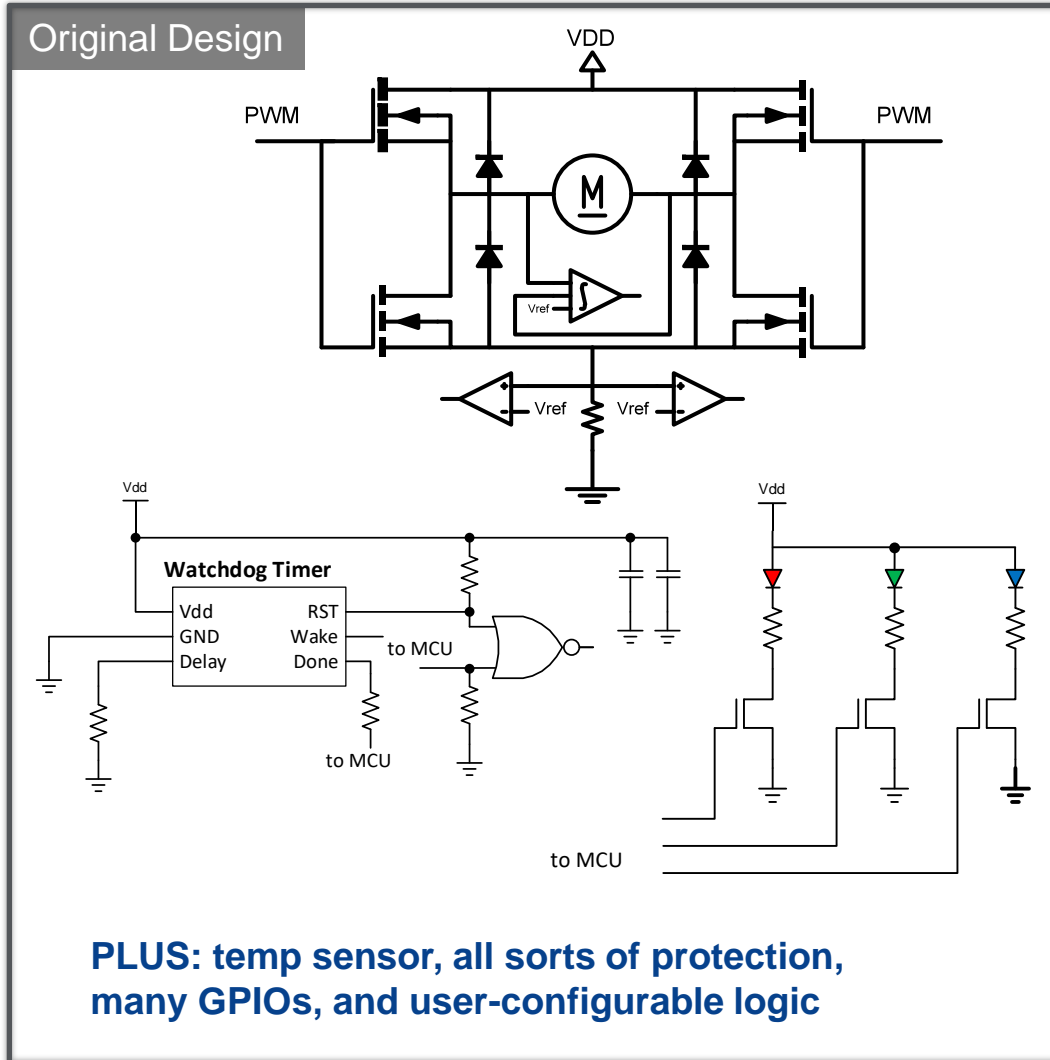
Datasheet
SLG47105

Datasheet
SLG47115

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Software Hub

Example Design File

HVPAK APPROACH: TOOTHBRUSH DESIGN



Design reduced by:

- 5 ICs
- up to 20 passive components
- reduced current consumption by four times