

INTRODUCING HVPAK™

ENHANCE YOUR ROBOT VACUUM DESIGN WITH HVPAK MOTOR DRIVER!

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.



Constant voltage/speed on the motor

- No requirement to comply with any other software
- Low current consumption



Current limit – motor/shaft stuck protection

- Highly configurable
- Battery discharge compensation
- Over current protection

Datasheet
SLG47105

Datasheet
SLG47115

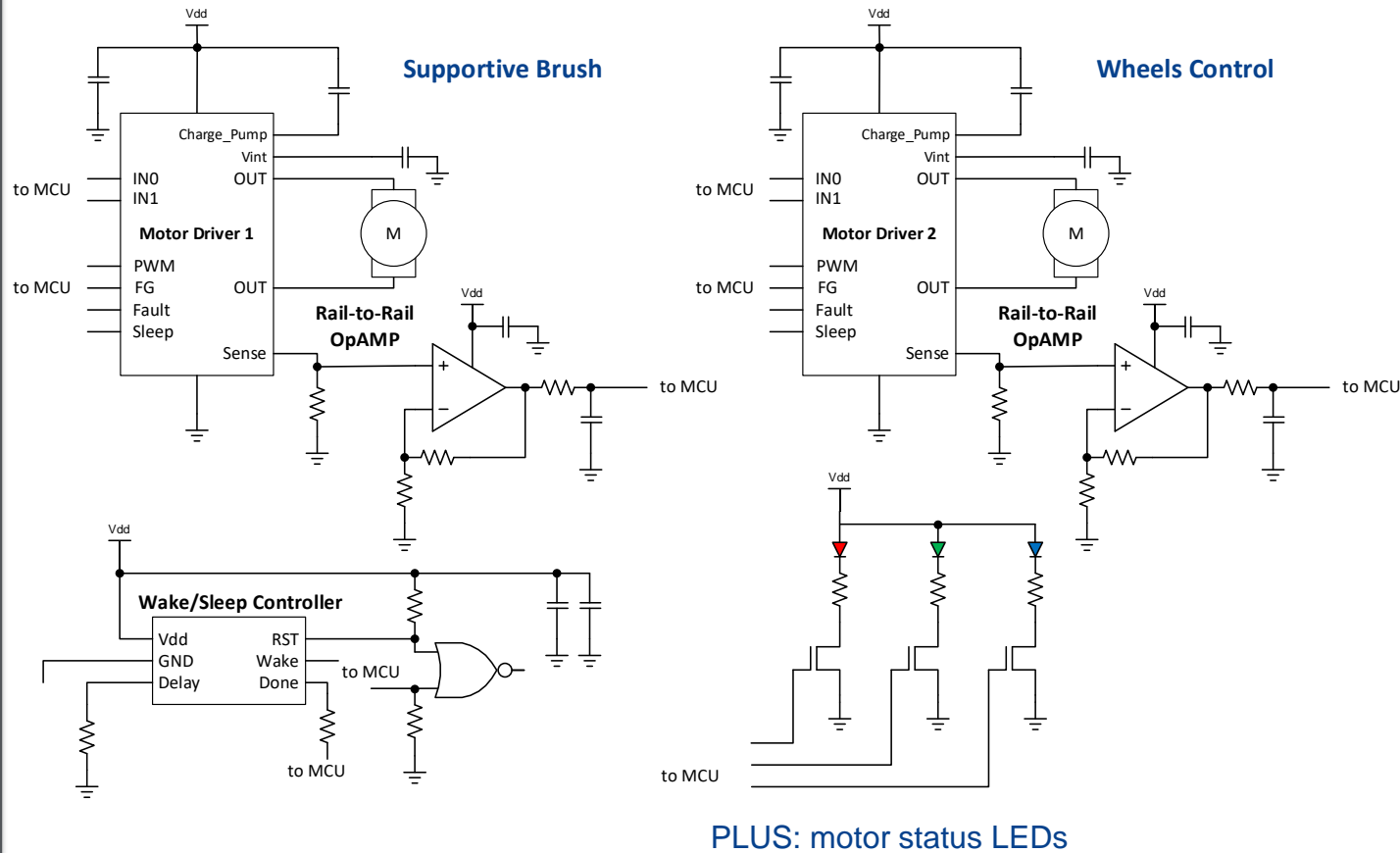
Application Note:
Simultaneous
Dual Motor
Control

Download
Go Configure™
Software Hub

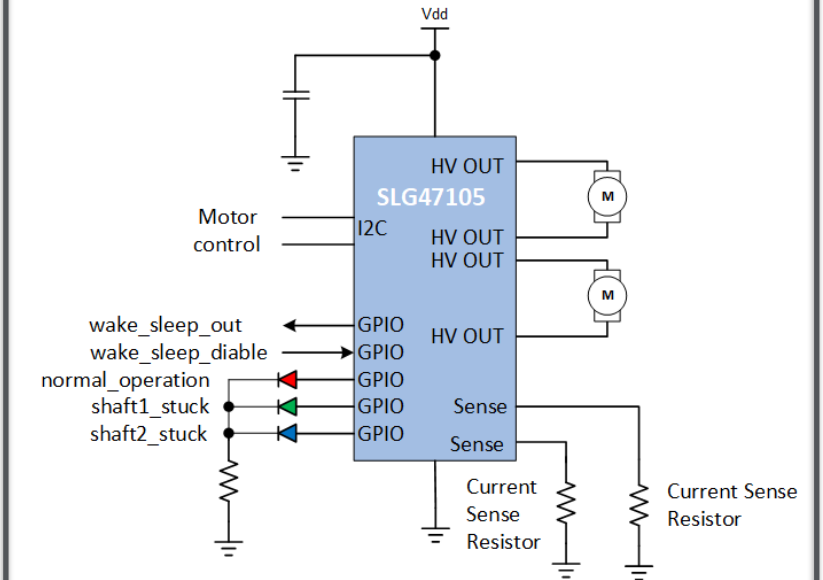
Winning
Combo:
Smart Robot
Vacuum
Cleaner

HVPAK APPROACH: ROBOT VACUUM DESIGN

Original Design



HVPAK Solution



Design reduced by:

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