

# INTRODUCING HVPAK™

## UPGRADE YOUR SMART HOME DEVICE WITH A STATE-OF-THE-ART 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.

Datasheet  
SLG47105

Datasheet  
SLG47115

Application Notes  
using HVPAK

Download  
Go Configure™  
Software Hub

- **Ability to meet exact customer requirements**
- Highly configurable
- **Works as a standalone device**
- Custom protections
- **Current limit –  
motor/shaft stuck protection**

Winning Combo:  
Smart Lock with Super-  
Low Power Wi-Fi and  
Bluetooth Low Energy

Winning Combo:  
Programmable Radiator  
Mounted Heating  
Thermostat

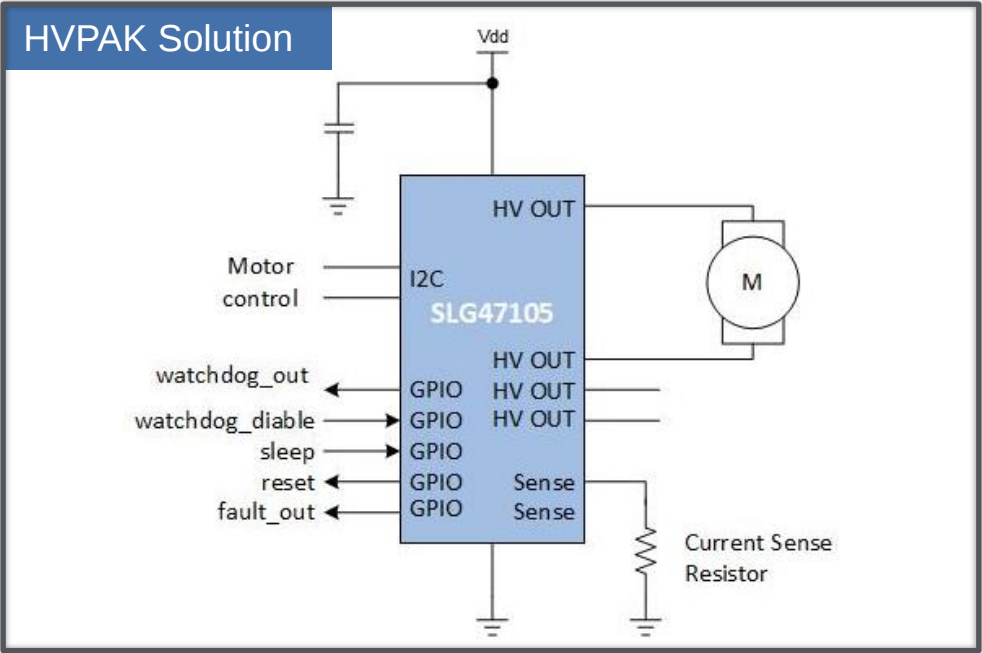
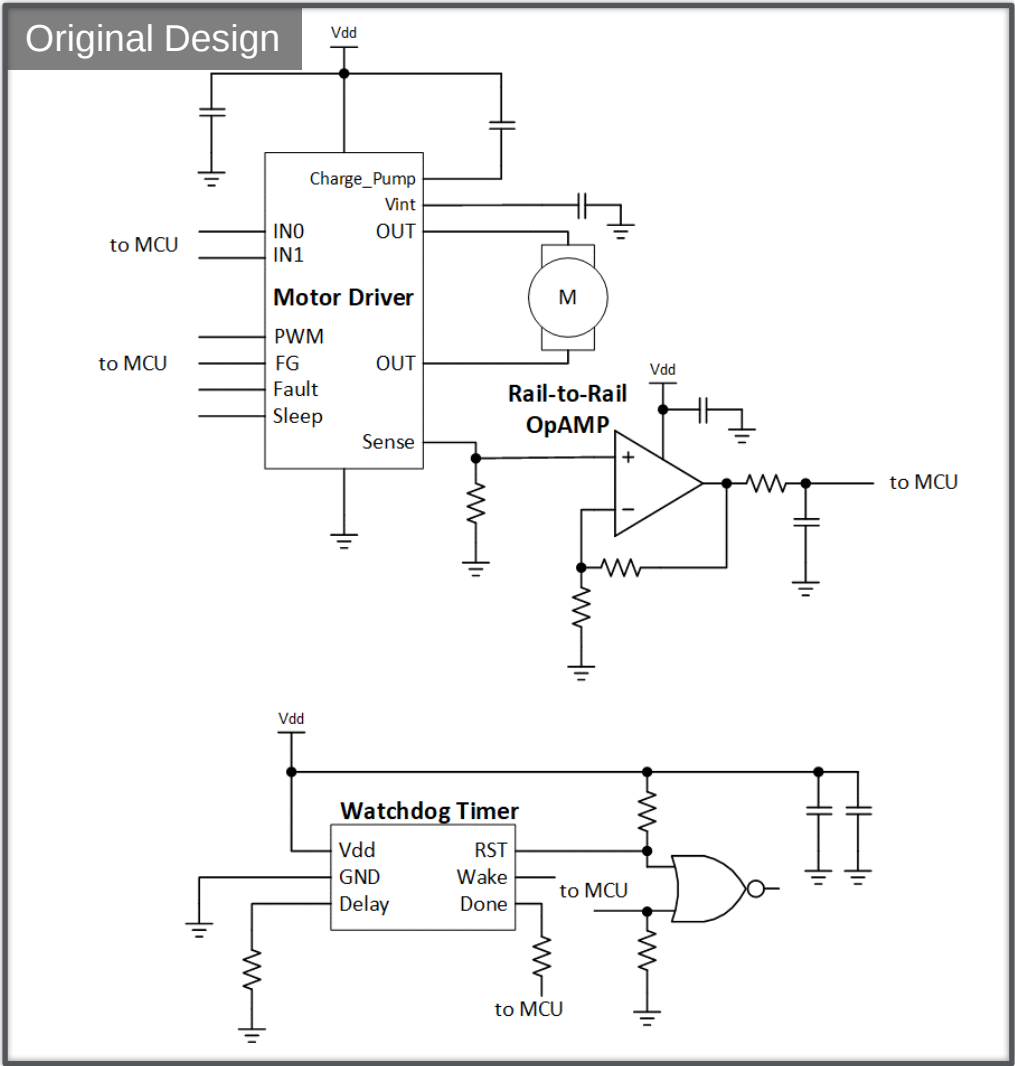
Winning Combo:  
Smart Robot Vacuum  
Cleaner

Winning Combo:  
Drink Machine with Water  
Level Detection

Winning Combo:  
Smart Water  
Shutdown Valve

Winning Combo:  
Automatic  
Wine Cork Opener

# HVPAK APPROACH: SMART LOCK DESIGN



Design reduced by:

- 4 ICs
- 14 passive components
- reduced current consumption by four times (idle mode)

| Value        | Approx. savings with HVPAK |
|--------------|----------------------------|
| Layout Size  | 17.8 mm <sup>2</sup>       |
| Cost Savings | \$ 1.33                    |