

# INTRODUCING HVPAK™

## MODERNIZE YOUR CAMERA DESIGN WITH HIGHLY-VERSATILE MOTOR DRIVER SOLUTION

**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.

- **Selectable LED control:**  
**constant current / constant PWM**
- Easy I2C control
- **Flash control:**  
**pre-driver for IGBT transistor**
- Photoflash capacitor charger: current regulation and voltage monitor
- IR diode control
- **Control of photo ejection and zoom**
- Current limit

Datasheet  
SLG47105

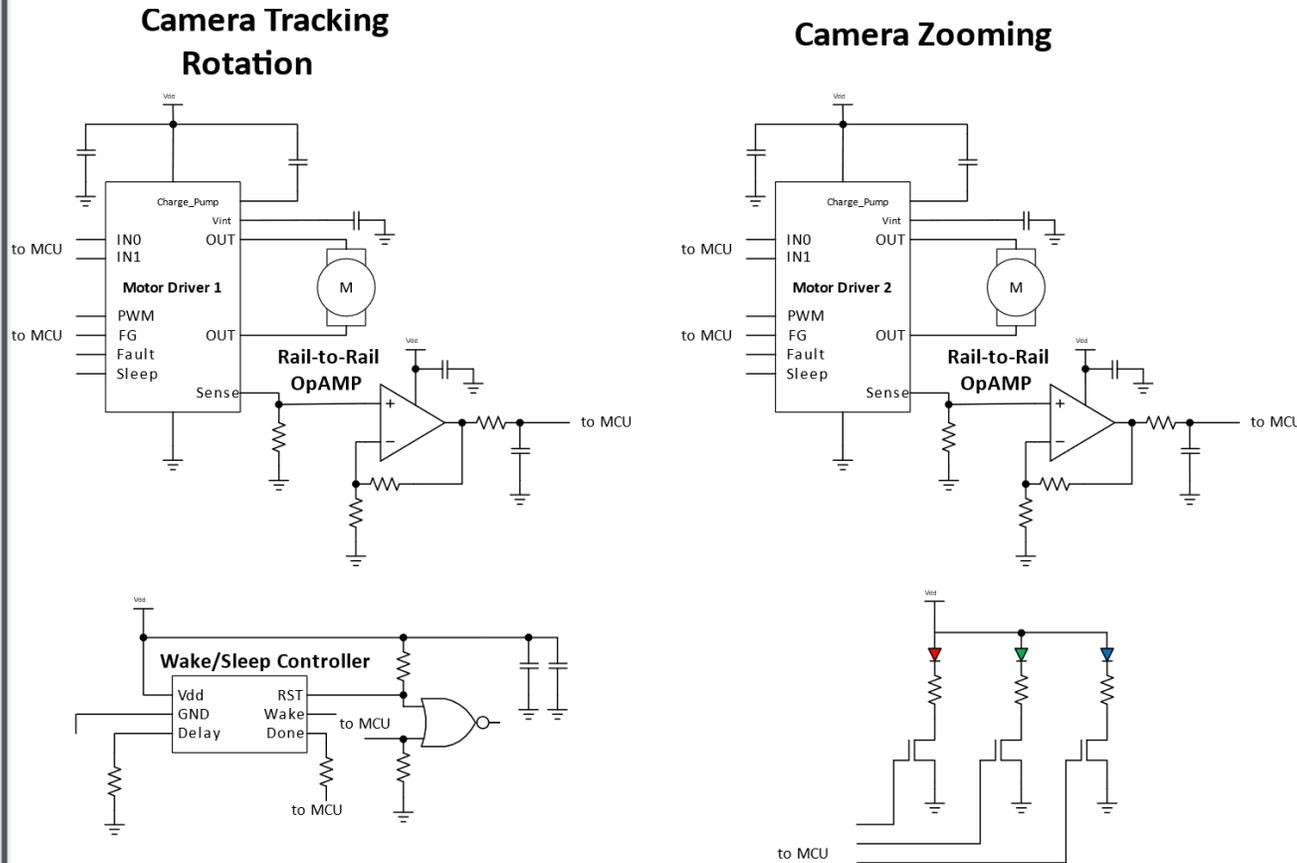
Datasheet  
SLG47115

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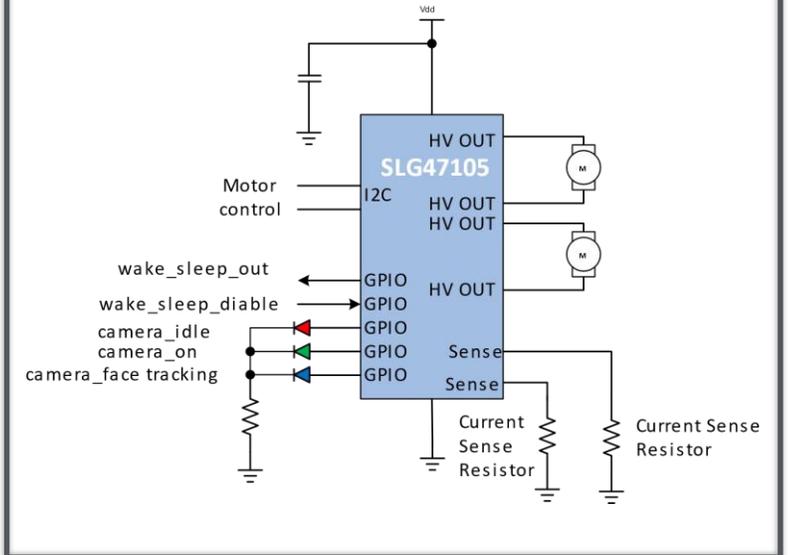
Application Note:  
Stepper Motor Driver

# HVPAK APPROACH: CAMERA DESIGN

## Original Design



## HVPAK Solution



### Design reduced by:

- 3 ICs and 3 transistors
- 22 passive components
- reduced current consumption by six times (idle mode)

Value	Approx. savings with HVPAK
Layout Size	34.2 mm <sup>2</sup>
Cost Savings	\$ 2.56