## INTRODUCING HVPAK™

## CUSTOMIZE YOUR INDUSTRIAL DESIGNS WITH ADVANCED MOTOR DRIVER SOLUTION

<u>HVPAK</u> (up to 26.4 V and 3 A per OUT) takes its roots from the <u>GreenPAK family</u> featuring its configurability and free GUI-based <u>software</u> to design the circuit without any programming language needed. It combines mixed-signal logic and <u>high-voltage H-/Half-bridge</u> 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.

Winning Combo: Servo Motor Control for Robot Limbs Winning Combo: DC Motor Driver PMOD™

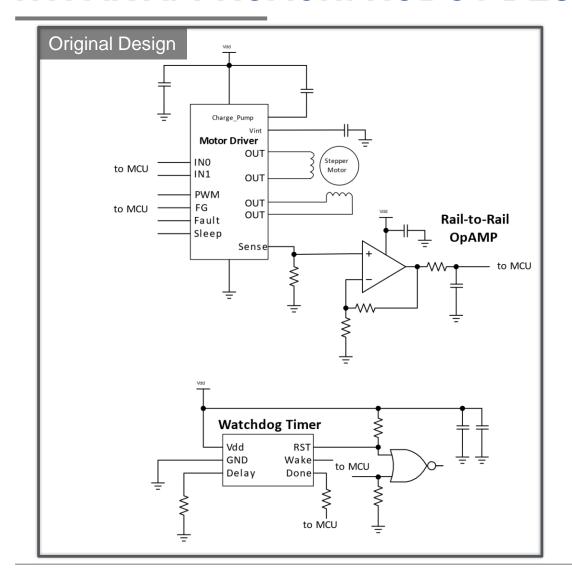
Application Notes using HVPAK

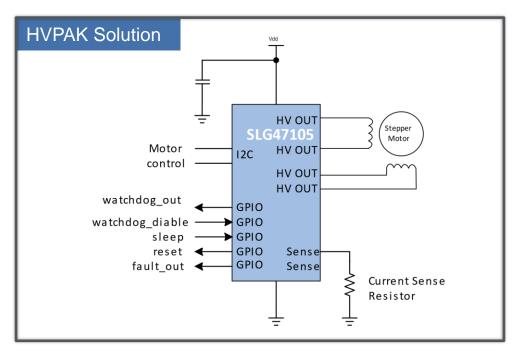
Download Go Configure™ Software Hub Datasheet SLG47105

Datasheet SLG47115



## **HVPAK APPROACH: ROBOT DESIGN**





## Design reduced by:

- 2 ICs
- 13 passive components
- reduced current consumption by five times (idle mode)

Value	Approx. savings with HVPAK
Layout Size	18.8 mm <sup>2</sup>
Cost Savings	<mark>\$ 1.51</mark>

