SLG7IN

GreenPAK™ Interface Standard Designs

Description

SLG7IN is a collection of Renesas GreenPAK interface IC standard designs. The collection includes pre-configured solutions for level translation, protocol conversion, and low-speed host or module control.

Available options cover level shifters and translators, UART, SPI, CAN, SSI, and PCIe-related interfaces, OSFP controllers, and HART modem functions.

Every SLG7IN standard design can be further customized to meet specific customer requirements, including signal mapping, logic behavior, interface control, and package selection.

Full datasheets for individual standard designs are available upon request. Contact greenpak@renesas.com.

Features

- Pre-configured interface and translation designs
- Level-shifter and level-translator options
- Protocol-conversion and modem-related implementations
- Low-speed host and module controllers
- Compact package choices
- Ready for evaluation and further customization
- Ultra-low standby power and compact package options
- Fully customizable to exact customer requirements

Applications

- Voltage-domain translation
- Computer and module interfaces
- Communications and industrial interface control
- Protocol conversion and low-speed signal management

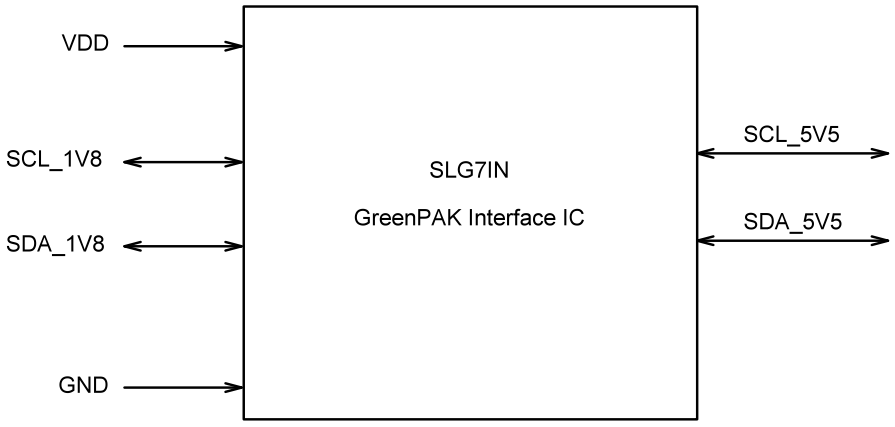


Figure 1. SLG7IN Interface IC – Typical Application Block Diagram #1

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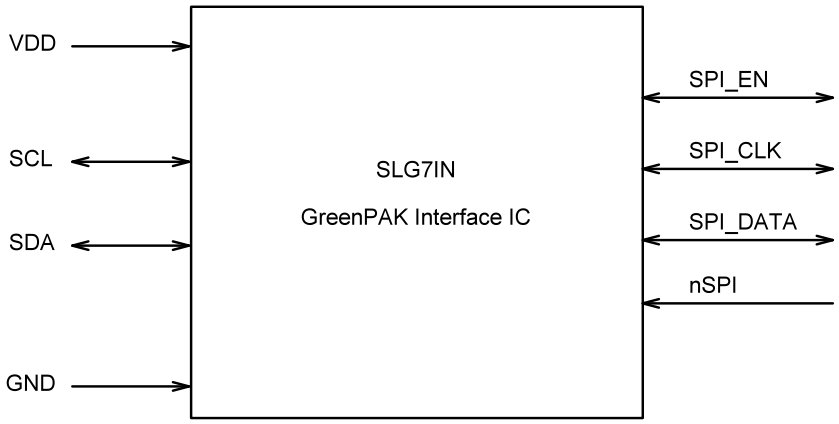


Figure 2. SLG7IN Interface IC – Typical Application Block Diagram #2

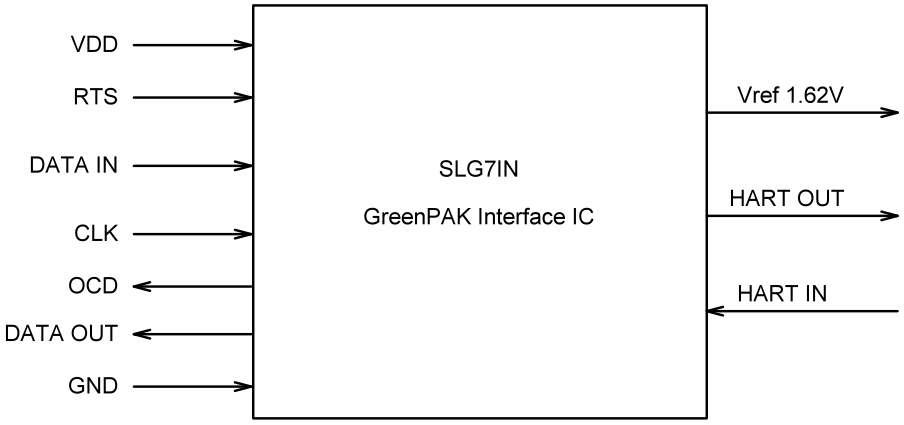


Figure 3. SLG7IN Interface IC – Typical Application Block Diagram #3

The complete, up-to-date list of available standard designs is published in the Product Options section of the SLG7IN product page. Each design is ready for evaluation and can be further customized to meet specific customer requirements. Individual datasheets are available on request via greenpak@renesas.com.