GREENPAK™ FOR INFOTAINMENT

MINIMIZE COMPONENTS, REDUCE PCB SPACE, AND LOWER POWER

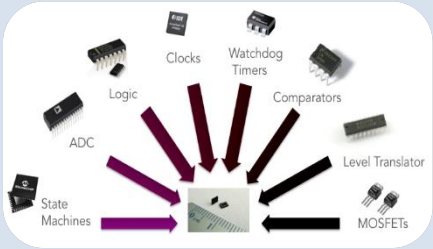
Automotive GreenPAK SLG46855-A is a **highly versatile** device that allows a wide variety of mixed-signal functions to be designed within **a very small**, **low power** single integrated circuit.

The user creates their circuit design by programming the **one time programmable (OTP) Non-Volatile Memory (NVM)** to configure the interconnect logic, the IO Pins and the macrocells of the SLG46855-A.

Benefits

Reduce Solution Size, Cost & Power Consumption

- Typically, 90% footprint savings vs. non-integrated components
- Asynchronous architecture saves power over MCU



Dramatically Reduce Reliability Issues

- Fewer parts = lower FIT, less qualification & less sourcing issues
- Easily add redundant circuits and failsafe mechanisms to IC

Configurability Allows Fast Cost-Effective Differentiation

- Fast non-MCU code-based changes
- Many AEC-Q100 ICs can be created from a single GreenPAK

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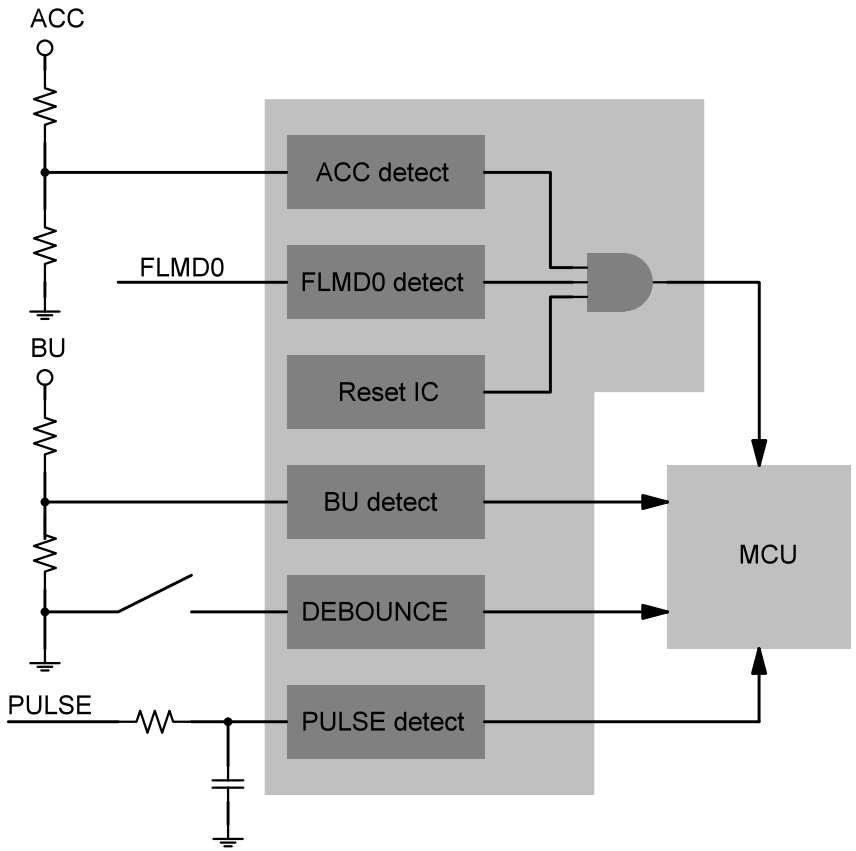
Automotive GreenPAK Webpage

Application Notes

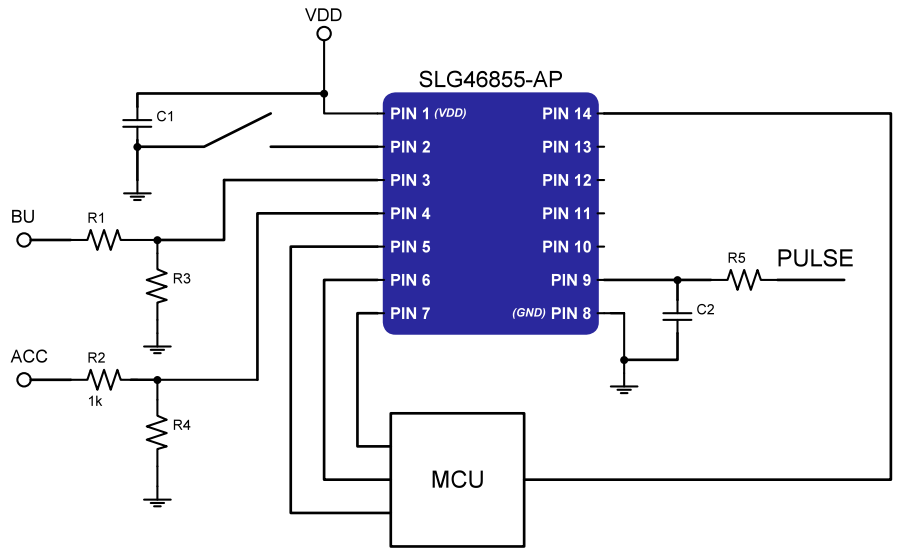
Winning Combo: Infotainment and Automated Driving Systems

AUTOMOTIVE GREENPAK APPROACH: INFOTAINMENT

Original Design



GreenPAK Solution



Design improved by:

- reduced 5 ICs
- reduced14 passive components
- PCB size reduced, BOM cost saved
- reduced power consumption by using the Wake & Sleep function
- possibility to set different voltage detection thresholds
- possibility to set a different trigger time for detecting a press button