

Introduction to PROFET™

Infineon Technologies AG

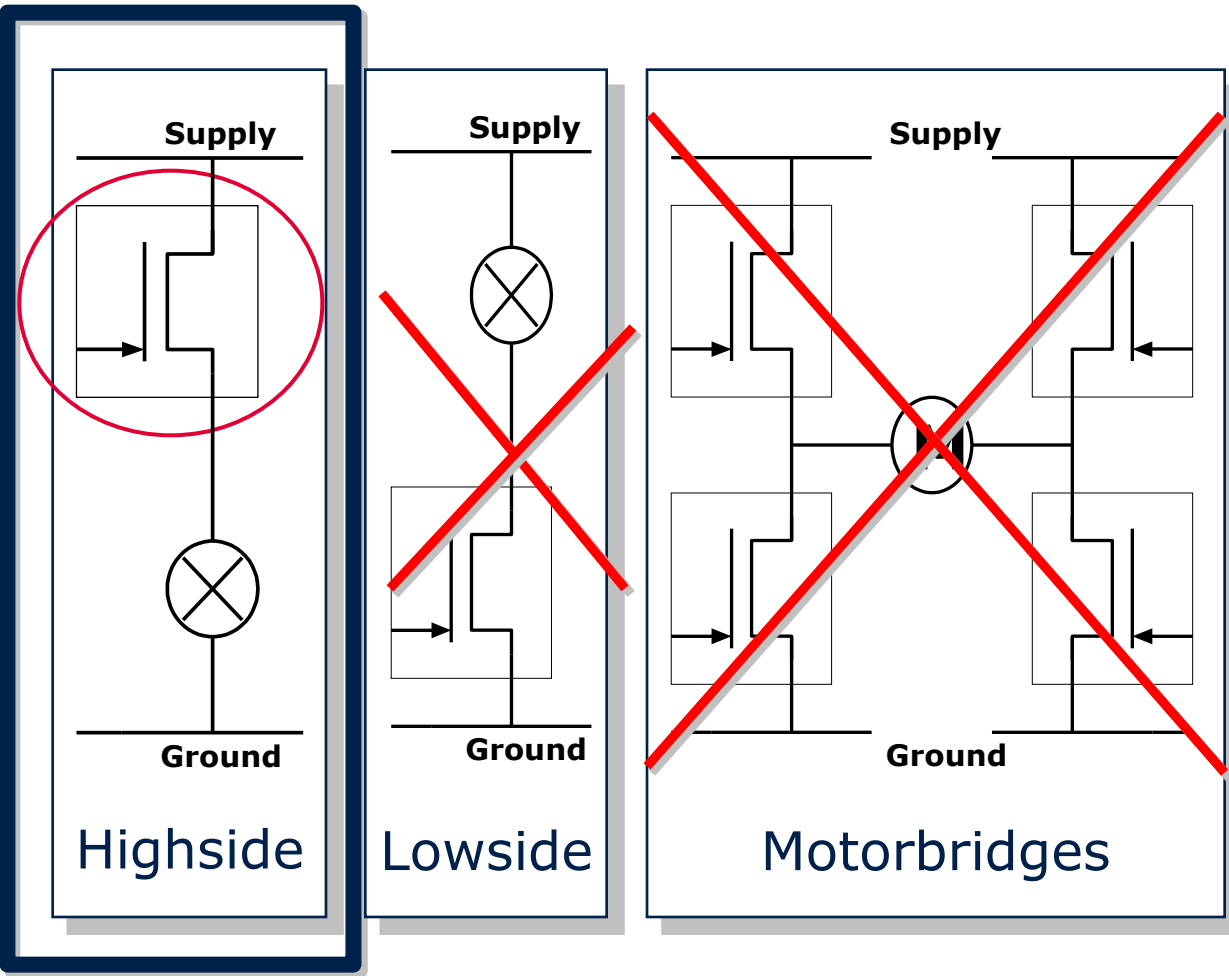
Automotive Division

Business Unit Body Power



PROFET™ = Protected High-Side Switches

Basic Design in Power Electronics



High-Side:

Switch is placed between supply and load

Low-Side:

Switch is placed between load and ground

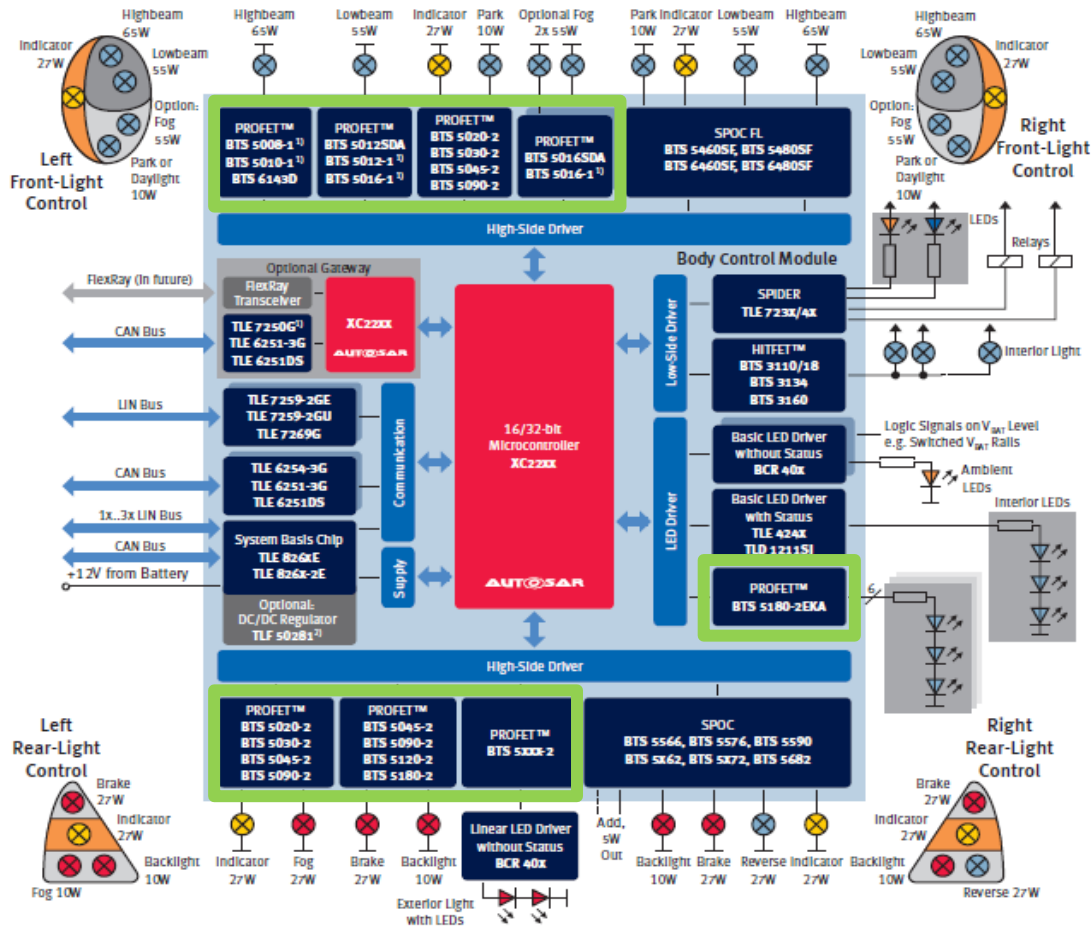
High-Side Advantages:

- Protected wiring harness
- Load disconnected from supply in OFF state
- No electrical galvanic corrosion (against relay)
- Reduced system cost (less wiring)

PROFET™s are classically used on Body Control Modules

A Body Control Module is the primary hub that maintains body functions such as Exterior Lighting, Interior Lighting and Doore Moduling.

Body Control Module



Application Range of our PROFET™s





ENERGY EFFICIENCY MOBILITY SECURITY

Innovative semiconductor solutions for energy efficiency, mobility and security.

