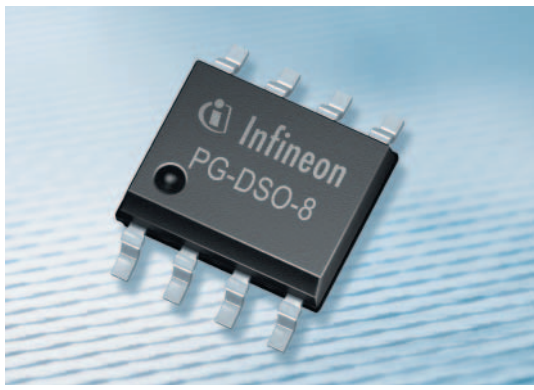
BTS3205G

One-Channel, Self-Protected, Low-Side Power Switch



THE BTS3205 is a monolithic, one-channel, self-protected, low-side switch in PG-DSO-8 package. In brief, it contains a N-channel MOSFET and the additional protection circuitry. The thermo shutdown with auto restart feature provides protection of the controlled loads.

The device provides protection against over-temperature, short-circuits, and over-voltage. Additionally its input pins are ESD protected.

RoHS

AEC Qualified

Applications

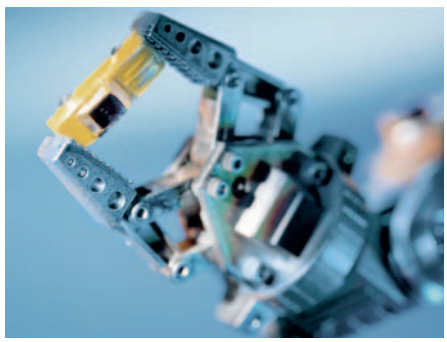
- Relay drivers
- Small motors and solenoid driver
- Small loads protected switch
- Replaces electromechanical relays
- Replaces discrete circuit switches
- Protected, general purpose switching applications

Features

- Very low input quiescent current
- Short-circuit, over-voltage, over-temperature protection
- Input ESD protection
- Green-Robust and Automotive qualified

Benefits

- Saves PCB area
- Low input drive current
- EMC optimized switch



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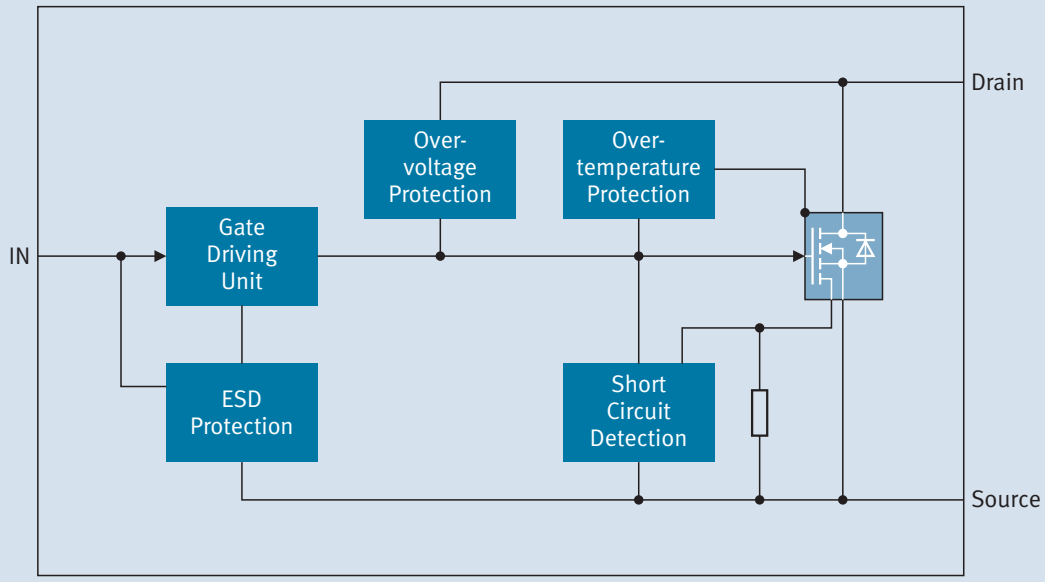
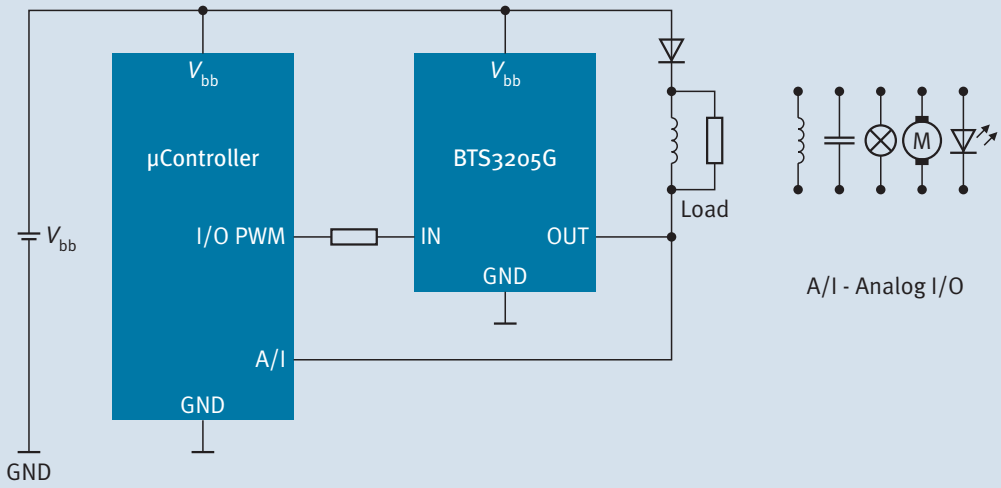
Power Semiconductors

Never stop thinking

Block Diagram



Application Example



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