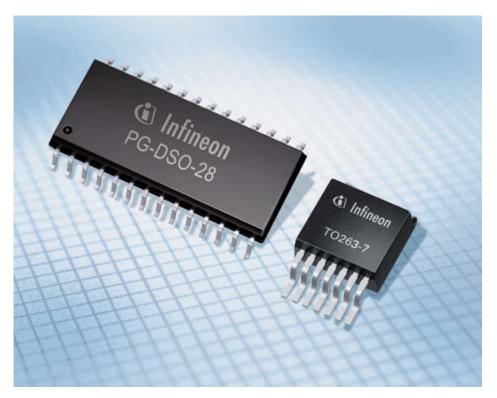


Never stop thinking

<u>Home</u> > <u>Design:)Link</u> > Issue 1/2008 > Power > **New Trilith IC and NovalithIC™ product families**

Trilith IC and NovalithIC[™] product families go green



In 2008, Infineon will be rolling out its green and robust solutions for the motor control product families Trilith IC (multi-purpose configurable fullbridge drivers) and NovalithIC[™] (multi-purpose half-bridge drivers). The switch to green will be accompanied by new names for these product families:

- BTM Trilith IC motor driver, RoHS-compliant
- BTN NovalithIC[™] half-bridge motor driver, RoHS-compliant

The new green design offers improved product performance and better reliability by following the automotive power robust package approach, supporting our zero-defect target.

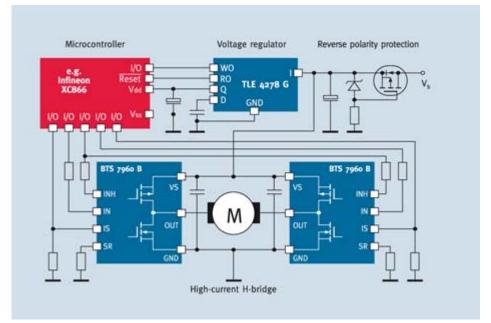
Key features

- Integration of power stage, driver and protection in small package
- Integrated protection against overtemperature, overcurrent, over- and undervoltage
- Status flag diagnostics with analog current sense (NovalithIC[™])
- Pulse-width modulation (PWM) capability up to 25 kHz (NovalithIC™) combined with active freewheeling
- Low quiescent current, down to 7 µA

Applications

- Motor drive applications with 1 A DC up to 70 A peak
- Automotive: door locks, gear boxes, belt pretensioners
- Industrial: sliding doors, robotics, heating, ventilation and airconditioning (HVAC) systems
- Consumer: battery-driven tools and toys, household goods such as coffee machines

Application examples include automotive wipers and power windows, batterypowered tools and wheelchairs for industrial applications



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