



TAA3033 Active Precharge Controller IC

TAA3033

Preproduction

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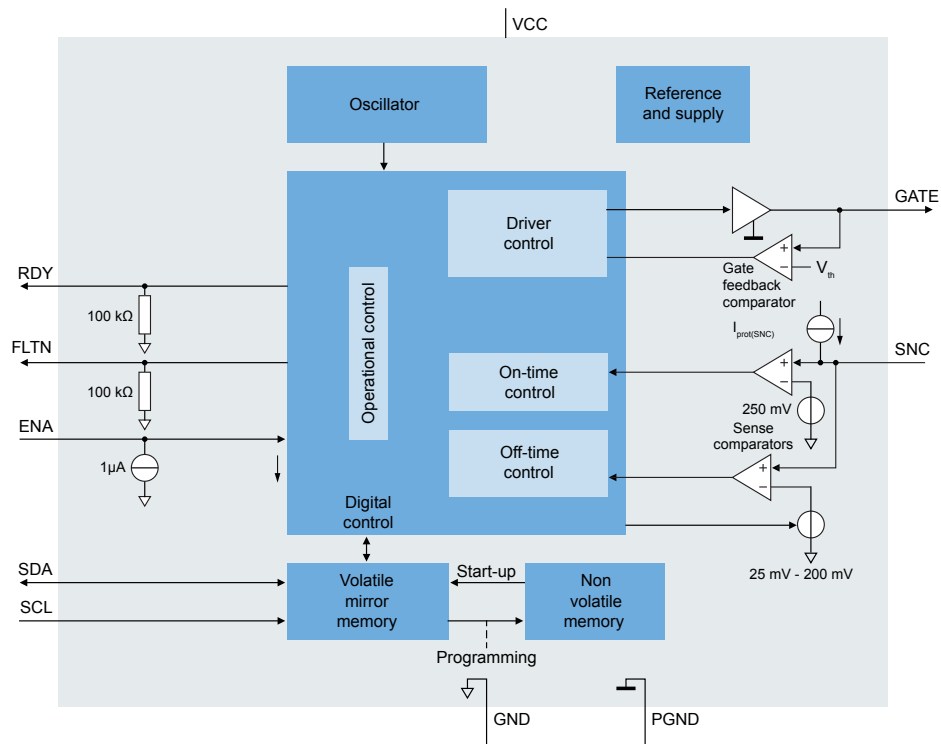
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The TAA3033 is an active precharge controller integrated circuit (IC) designed for automotive and industrial applications, including hybrid electric vehicles (HEVs), battery electric vehicles (BEVs) and energy storage systems (ESS). It actively regulates the current to safely pre-charge the DC-link capacitor in xEV traction inverters.

Integrated into the battery management system (BMS), it is typically controlled by the battery junction box (BJB) or battery disconnect unit (BDU).

Operating as a cost-efficient and programmable buck converter, the TAA3033 only requires a few small external components. It eliminates the need for a large power resistor and additional thermal management, simplifying the design and reducing system cost and size.

TAA3033 Block Diagram



View additional information for [TAA3033 Active Precharge Controller IC](#).

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