



TAA3033 Automotive Demoboard for Active Precharge Application

TAA3033DB1649

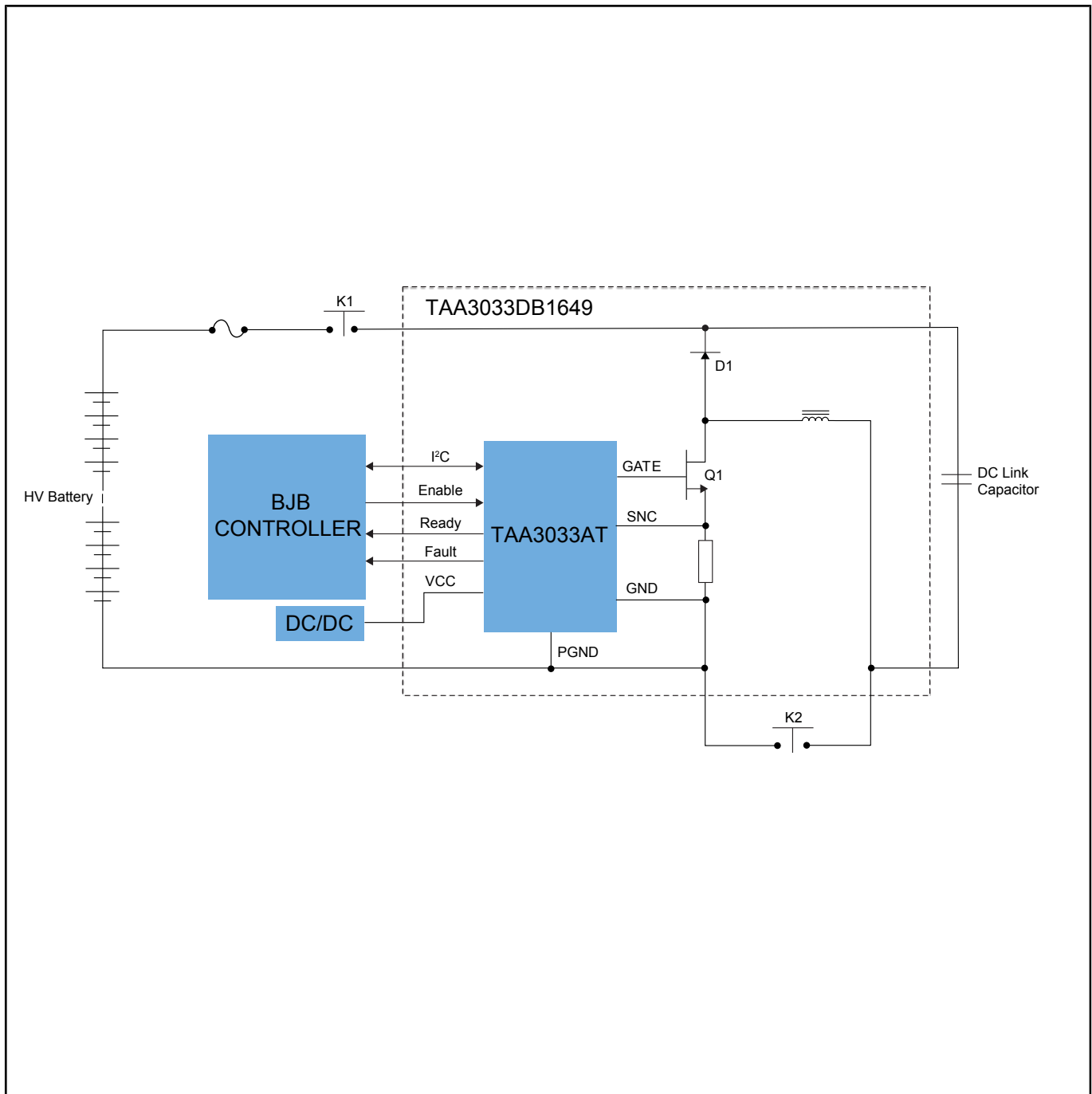
Active

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The TAA3033AT is an active precharge controller integrated circuit (IC) designed to precharge the DC-link capacitor of the traction inverter in automotive applications. Two topology options are available for TAA3033AT placement: high-side and low-side. TAA3033DB1649 is the demo board based on the TAA3033AT for low-side application.

The board features a buck converter with automotive-qualified components designed to charge DC-link capacitors to up to 800 V. The charging current that is the average of the 5 A peak inductor current and the configured lower level of the inductor current. The demo board, together with the Ringo TAA3033 development software with graphical user interface (GUI), can be used for development/evaluation purposes. The GUI enables users to read the status signals from the IC and adjust the configurable parameters and various protection settings for evaluation purposes.

TAA3033DB1649 Block Diagram



View additional information for [TAA3033 Automotive Demoboard for Active Precharge Application](#).

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