



24 and 26-Channel Li-Ion Battery Cell Controller IC ASIL D with EIS

BMA742X

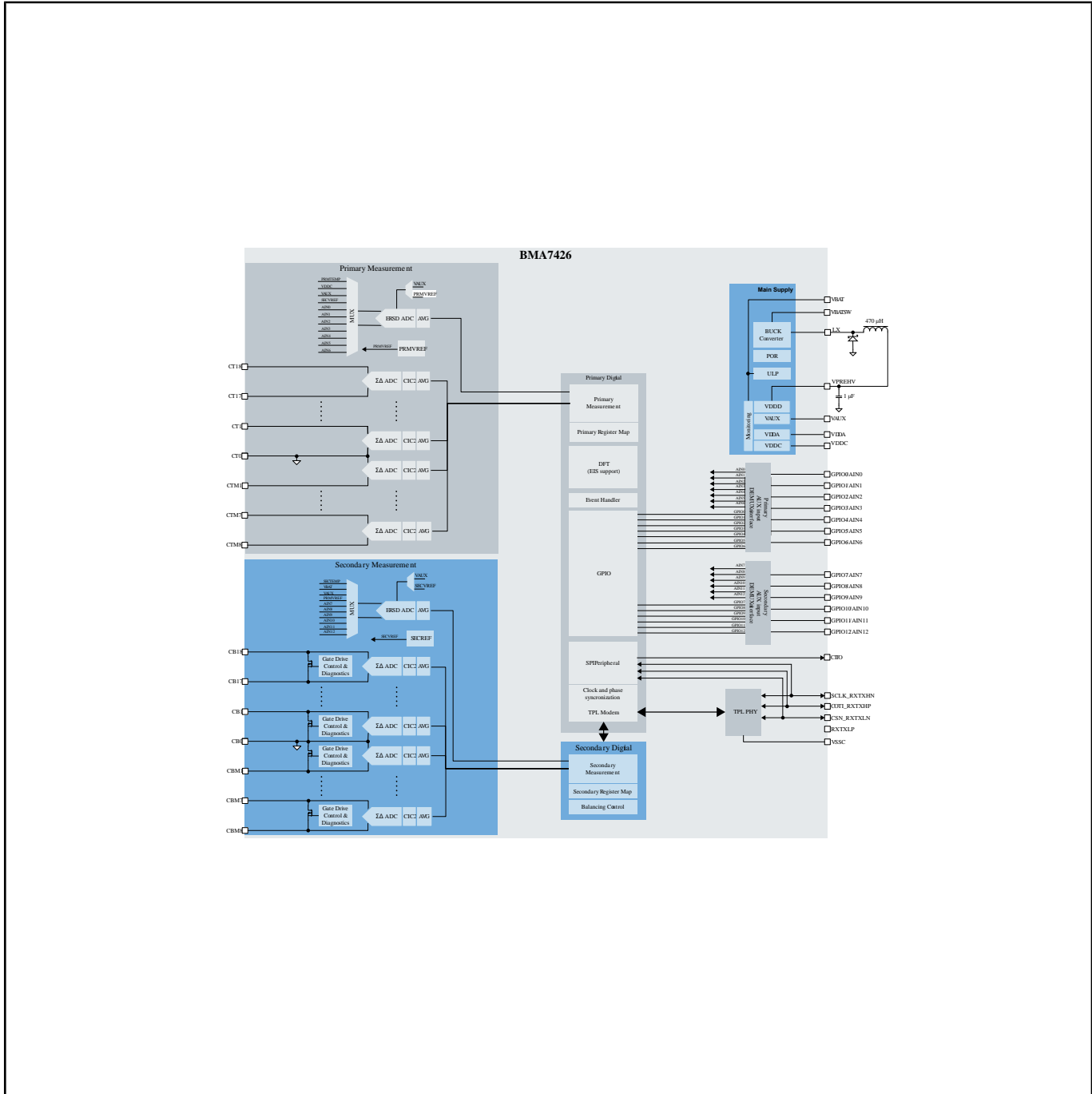
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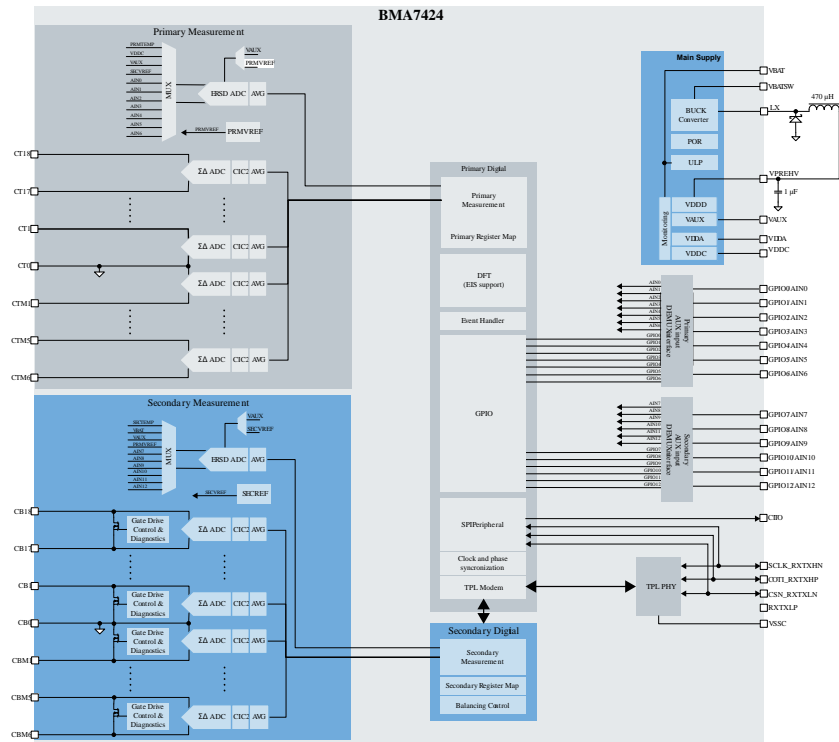
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The BMA7424 and BMA7426 are automotive lithium-ion battery cell controllers (BCCs) integrated circuits (ICs) supporting 24 and 26 cells, respectively. They feature high-accuracy, highly synchronized analog-to-digital controllers (ADCs) on each voltage channel and integrate a discrete fourier transform (DFT) engine for electrochemical impedance spectroscopy (EIS). They offer pin compatibility and a shared software platform with non-EIS variants enabling a cost-effective EIS implementation. They consume only 4 mA (typ.) and support ASIL D functional safety.

BMA7426 Block Diagram



BMA7424 Block Diagram



View additional information for [24 and 26-Channel Li-Ion Battery Cell Controller IC ASIL D with EIS](#).

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