TEA2376xT, Digital Configurable Interleaved PFC Controllers

TEA2376

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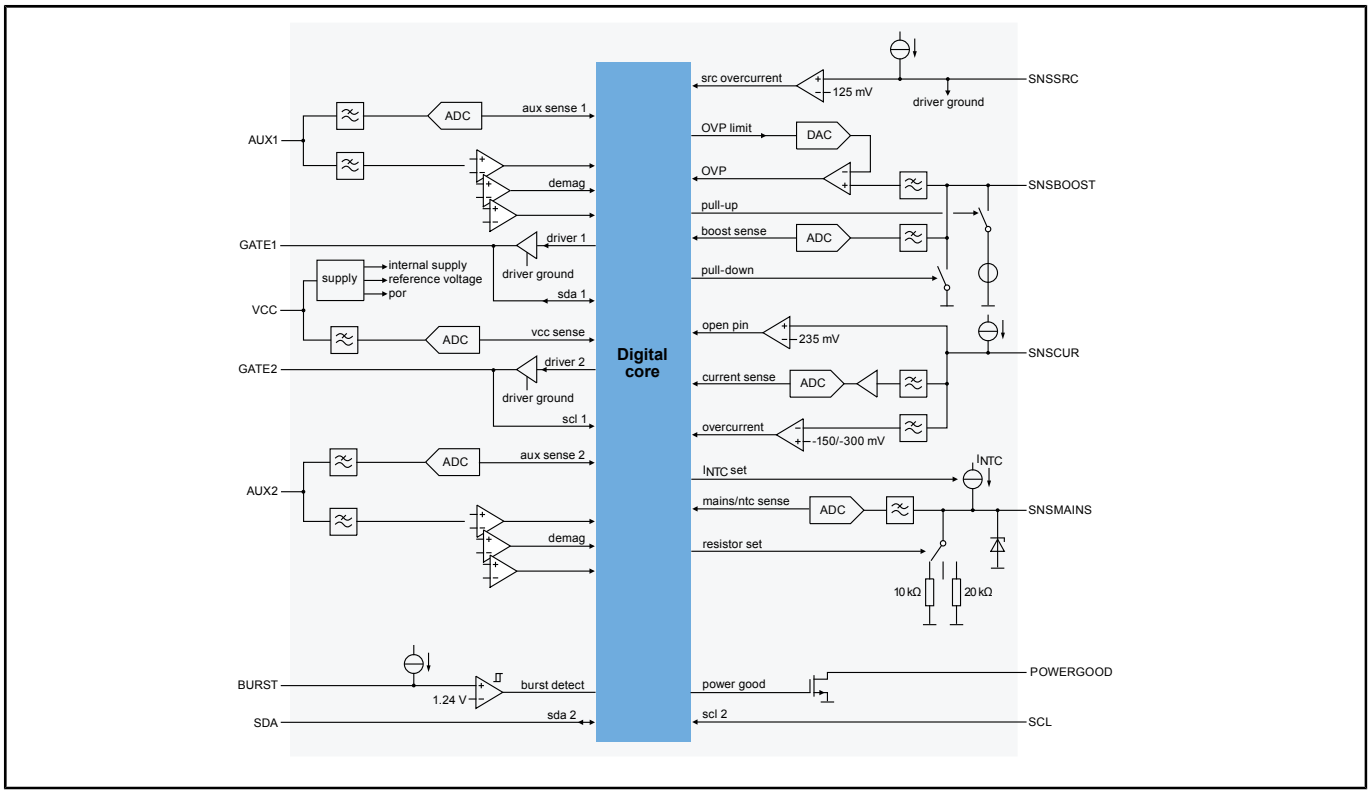
The TEA2376 is a digital configurable two-phase interleaved PFC controller for high-efficiency power supplies. The PFC operates in discontinuous conduction mode or quasi-resonant mode with valley switching to optimize efficiency.

The TEA2376 is suitable for TV, computing, server and industrial power supplies. For low-load operation with good efficiency, phase shedding and burst mode operation are included.

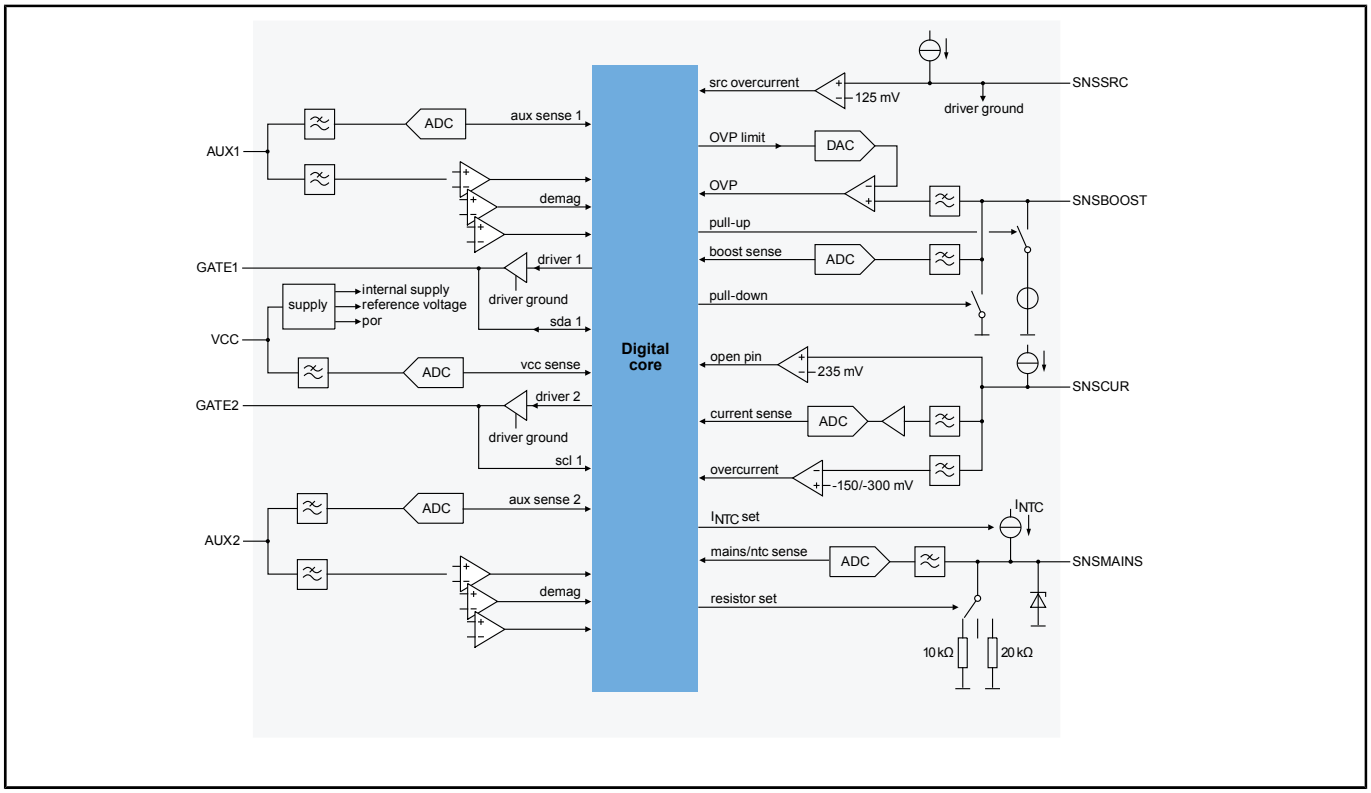
The TEA2376 supports a high power factor and a low THD and contains many protections which can be configured independently by a GUI.

The TEA2376 allows an easy to design, highly efficient, reliable interleaved PFC with a low external component count for power levels up to typically 1000 W.

TEA2376DT Block Diagram



TEA2376AT and TEA2376BT Block Diagram



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