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Two-Phase, Dual Interleaved Buck-Boost DC-DC Converter for ...The coupled inductors using two phase interleaved boost DC-DC converter is used for high power and high performance applications. The advantages of the coupled inductors interleaved boost converters include increased system

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The NCP1631 integrates a dual MOSFET driver for interleaved PFC applications. Interleaving consists of paralleling two small stages in lieu of a bigger one, more difficult to design. This approach has several merits like the ease of implementation, the use of smaller components or a better distribution of the heating.

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The two phase interleaved LLC resonant converter operation is made possible by enhanced control peripherals on C2000 devices, namely the type 4 PWMs, the ADCs, and comparators. This design accepts a DC

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