

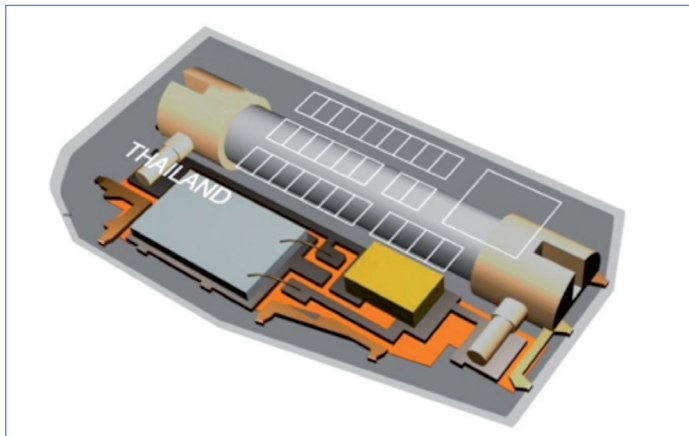
The NXP ABIC2 (PJF7992) is a next-generation immobilizer basestation with a high level of integration. It provides read and write access to an identification transponder. It offers a number of enhancements over the ABIC (PCF7991), including an on-chip voltage regulator and single-wire communication using the integrated LIN Transceiver

Bidirectional communication with the device uses a serial interface that operates in SPI or single-wire fashion, according to the application needs. ABIC2 makes an external

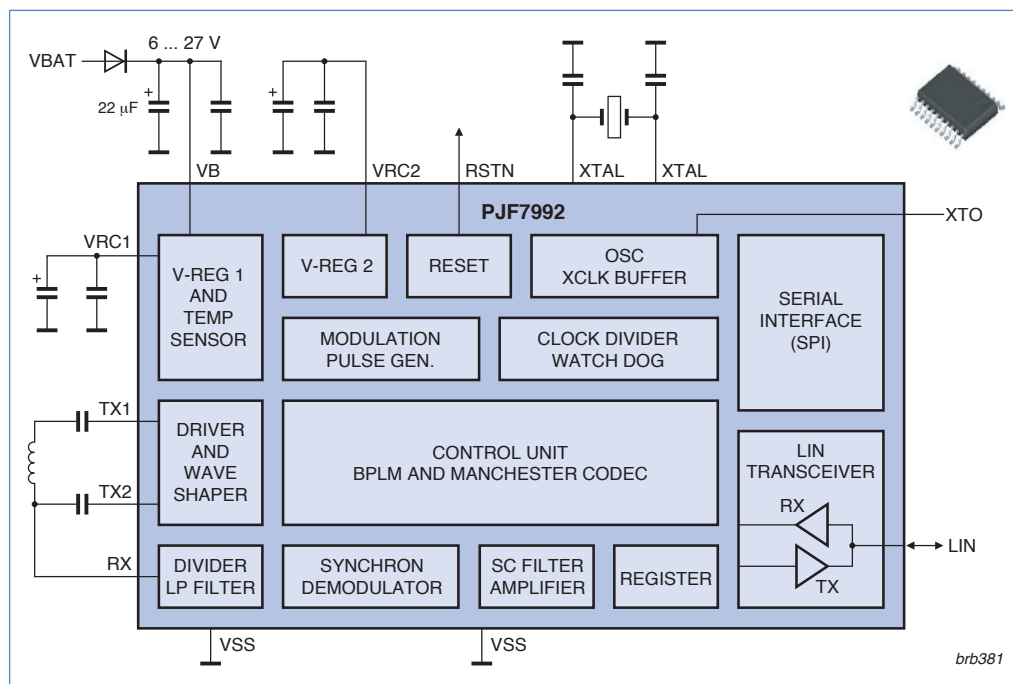
microcontroller at the basestation obsolete by integrating a single-wire protocol that is LIN "tolerant" and does not influence or affect further LIN slaves in the same LIN network. An external microcontroller can be added to implement another protocol layer, such as LIN 2.0. For this kind of application the ABIC2 derivative PJF7993 is offered.

The ABIC2 IC is optimized for easy application, featuring a high level of integration in a small HTSSOP20 package and requiring very few external components.

### Immobilizer transponder in NXP's stick package



### Next-generation immobilizer basestation with high level of integration



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