MIFARE® DESFire® Light

MIFARE_DESFIRE_LIGHT

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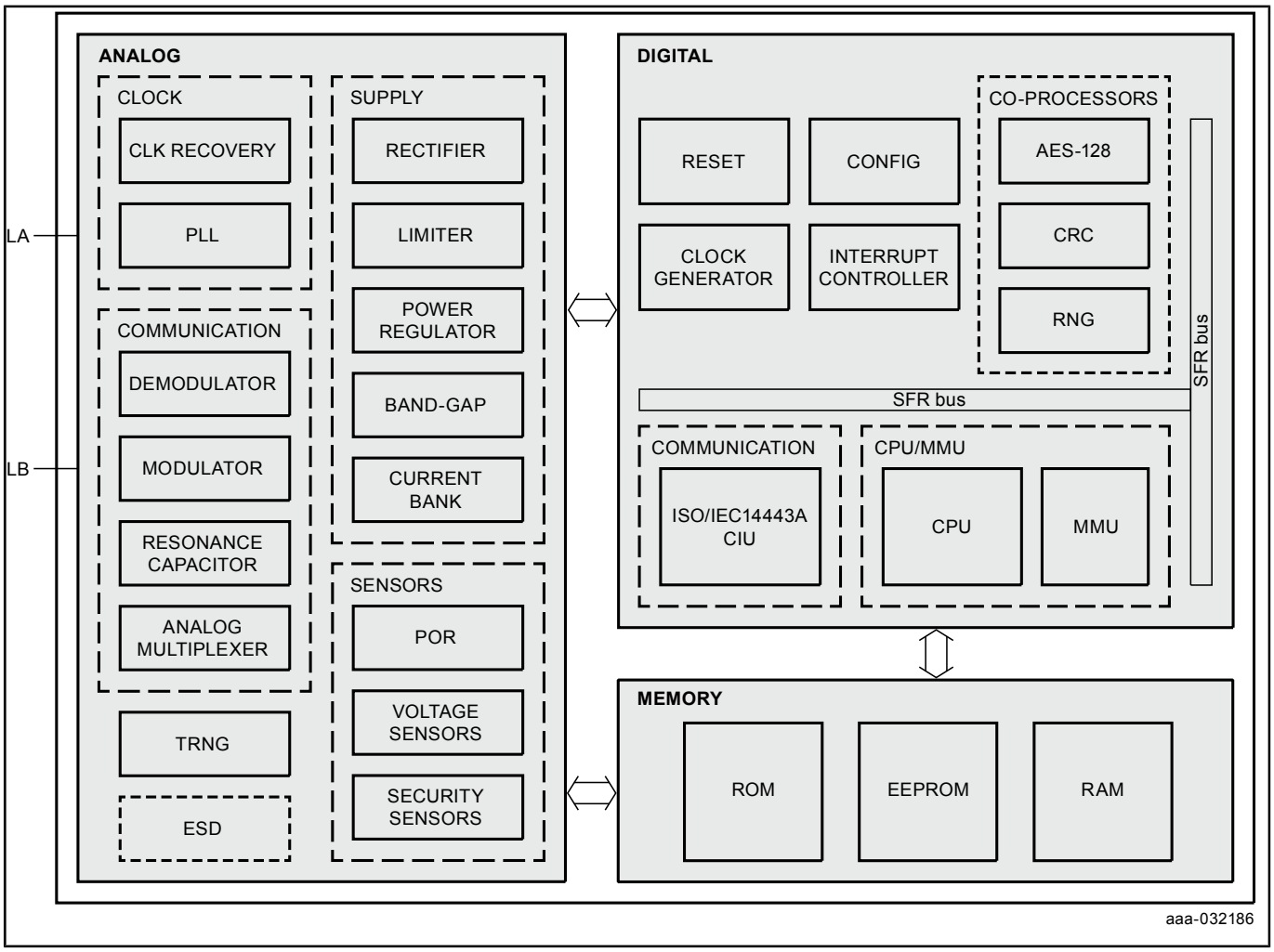
NXP’s MIFARE DESFire Light is a contactless IC designed for easy integration into new and existing systems. Its predefined file system and total available memory of 640 Bytes (equivalent to MIFARE Classic® with 1 kB) make it an excellent choice for single-application designs in a wide variety of use cases. MIFARE DESFire Light is compatible with MIFARE® DESFire® EV2, so designers can easily expand their systems to support new applications. Compatibility with MIFARE DESFire EV2 also lets developers promote their services on NXP´s AppXplorer, a collaboration platform that creates an App Store-like experience on smart cards.

MIFARE DESFire Light can also be configured as an NFC Forum NFC Type Tag 4, so it’s ready to use with the broadest range of mobile devices equipped with contactless reading capabilities.

Designed for limited-and extended-use applications, MIFARE DESFire Light includes the appropriate protection mechanisms to power trusted services. Depending on the use case, up to five AES 128-bit keys can be used to manage access rights, while the secure messaging option enhances the protection of data and privacy. All of the chip’s hardware and software security features have been externally reviewed, tested, and certified according to Common Criteria EAL4.

MIFARE DESFire Light Block Diagram Block Diagram



View additional information for MIFARE® DESFire® Light.

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