

EnFilm™ EFL1K0AF39 power management board with NFC wireless smart charger

Data brief



Features

- Embedded 20 mW NFC contact-less smart charger based on the ST M24LR04E-R dynamic NFC/RFID tag IC
- Charge control and deep discharge protection of the EFL1K0AF39 using an advanced ST ultra-low current consumption power management IC
- Additional power input pin for wire plugging of an external charger like an Energy Harvesting source or any other power supply

Description

The EFL2-NFC-PMB kit is a power management board (PMB) including the ST EnFilm™ EFL1K0AF39 energy source with a complete set of power management functionalities for a direct connection to the application.

EnFilm™ is a trademark of STMicroelectronics.

Table 1: Device summary

Parameter	Value
Dimensions	38.0 x 36.0 mm
Thickness	3.0 mm

1 **References**

For a functional description and guidelines on the use of the EFL2-NFC-PMB, please refer to the following publications:

- User manual UM1806 : EnFilm™ evaluation board kits and design-in board user guide
- Datasheet EFL1K0AF39 : EnFilm™ rechargeable solid state thin film battery

These documents are available at: <http://www.st.com>

2 Ordering information

Table 2: Ordering information

Order code	Marking	Weight	Base qty.	Delivery mode
EFL2-NFC-PMB	EFL2-NFC-PMB	3 g	1	Blister pack

3 Revision history

Table 3: Document revision history

Date	Revision	Changes
27-Sep-2017	1	First issue.

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