

## 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.

**IMPORTANT NOTICE – PLEASE READ CAREFULLY**

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2017 STMicroelectronics – All rights reserved