

EnFilm™ EFL70039 power management board with NFC wireless smart charger

Data brief



PMB top view

PMB bottom view

Features

- Embedded 25 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 EFL700A39 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 EFL1-NFC-PMB kit is a power management board (PMB) including the ST EnFilm™ EFL700A39 energy source with a complete set of power management functionalities for a direct connection to the application.

Table 1. Device summary

Parameter	Value
Dimensions	38.0 x 36.0 mm
Thickness	3.0 mm

TM: EnFilm is a trademark of STMicroelectronics

1 References

For a functional description and guidelines on the use of the EFL700A39, please refer to the following publications:

- User manual UM1806: “EFL700A39 evaluation board kits and design-in board user guide”.
- Datasheet: EFL700A39: “EnFilm™ - rechargeable solid state lithium thin film battery”.

These documents are available at: www.st.com.

2 Ordering information

Table 2. Ordering information

Order code	Marking	Weight	Base qty	Delivery mode
EFL1-NFC-PMB	EFL1-NFC-PMB	3 g	1	Blister pack

3 Revision history

Table 3. Document revision history

Date	Revision	Changes
20-Apr-2016	1	Initial release.

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