

Seos® and DESFire EV3 FIDO Cards

How to Order Guide

PLT-08325, Rev A.0
June 2025

Copyright

© 2025 HID Global Corporation/ASSA ABLOY AB. All rights reserved.

This document may not be reproduced, disseminated or republished in any form without the prior written permission of HID Global Corporation.

Trademarks

HID GLOBAL, HID, the HID Brick logo, iCLASS, iCLASS SE, multiCLASS SE, Seos, SIO, and HID Signo are trademarks or registered trademarks of HID Global, ASSA ABLOY AB, or its affiliate(s) in the US and other countries and may not be used without permission. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.

MIFARE, MIFARE Classic, MIFARE DESFire, MIFARE DESFire EV1, MIFARE Plus and MIFARE Ultralight are registered trademarks of NXP B.V. and are used under license.

Contacts

For technical support, please visit: <https://support.hidglobal.com>.

What's new

Date	Description	Revision
June 2025	Initial release.	A.0

A complete list of revisions is available in [Revision history](#).

Seos + FIDO Card - 561

A highly secure contactless smart card that supports FIDO (Fast Identification Online).

1 Important: It is highly recommended to pre-qualify this card within existing installations to ensure full compatibility with Seos and FIDO enabled devices and systems. Refer to the datasheet for full details.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model

☒ 561 Composite (40% Polyester, 60% PVC)

Memory Size

☒ 6 - 8K Bytes

Secure Identity Object Programming (Select one option)

- ☐ P - Programmed with Secure Identity Object™ (SIO)
- ☐ V - Unprogrammed, for use with iCLASS® SET™ Encoder

Front Packaging

☒ G - Plain White with Gloss Finish²

Back Packaging

☒ G - Plain White with Gloss Finish²

Card Numbering²

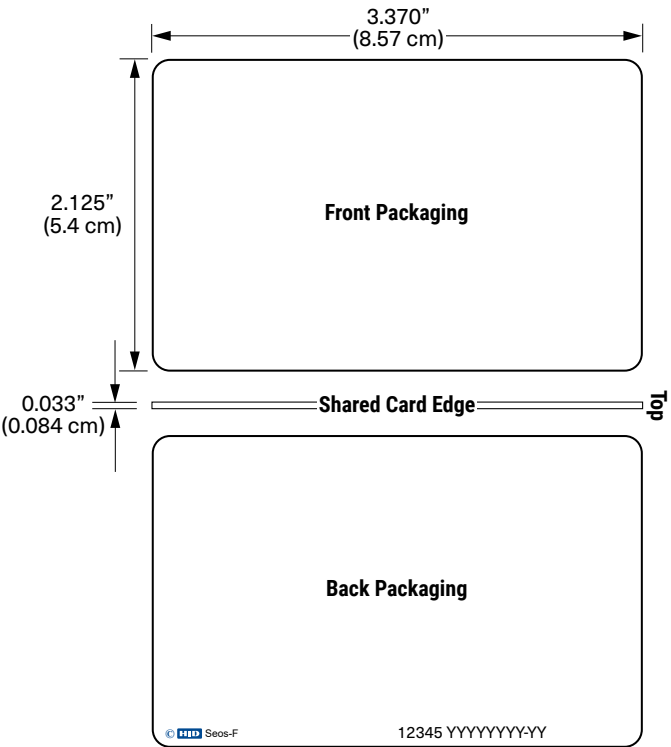
- ☐ N - No external ID number
- ☐ A - Sequential Matching Encoded/Printed (Laser Engraved)
- ☐ B - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)
- ☐ C - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

Slot Punch

☒ N - No slot punch

ISO14443A UID

☒ 7 - 7 Byte UID



Enter your final card options from the check boxes above. Example: 561PGGAN7

Final Part Number	561	6		G	G		N	7
-------------------	-----	---	--	---	---	--	---	---

Seos Programming Information

Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
HID Elite ICE number				Printed Start Number	Printed Stop Number

¹ Although HID carries out extensive device testing, we cannot guarantee the full compatibility of all FIDO or Seos enabled devices; we highly recommend full advanced testing before deployment. Note that the use of static 7-byte UID may require device re-configuration to disable ISO14443-A UID reader output to avoid collision with Seos SIO format data output.

² Cards ordered with plain white front and back packaging will still have a small HID logo and technology identifiers in the lower left-hand corner. Most part numbers are marked with the sales order number. A custom part number is required to omit dynamic or all marking from the card. Contact your local support representative for details.

MIFARE DESFire EV3 Custom Profile + FIDO Card - 840

A highly secure contactless smart card that supports FIDO (Fast Identification Online).

1 Important: It is highly recommended to pre-qualify this card within existing installations to ensure full compatibility with DESFire EV3 and FIDO enabled devices and systems. Refer to the datasheet for full details.

Available customized for bespoke specifications, or unprogrammed for full in-field personalization compatible with EV1, EV2, or EV3 compliant solutions.

Compatibility: Supported by custom profile HID Signo™, iCLASS SE, and multiCLASS SE readers.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model ☒ **840 Composite (40% Polyester, 60% PVC)**

Memory Size

☒ **F** - 8K Bytes

Programming (Select one option)

- ☐ **N** - Unprogrammed DESFire EV3 for use with iCLASS SE Encoder (EV1 custom encoding only) or third-party EV1, EV2, or EV3 applications
- ☐ **S** - Custom MIFARE DESFire EV1, EV2 or EV3 programming, requires custom part number³

Front Packaging

☒ **G** - Plain White with Gloss Finish

Back Packaging

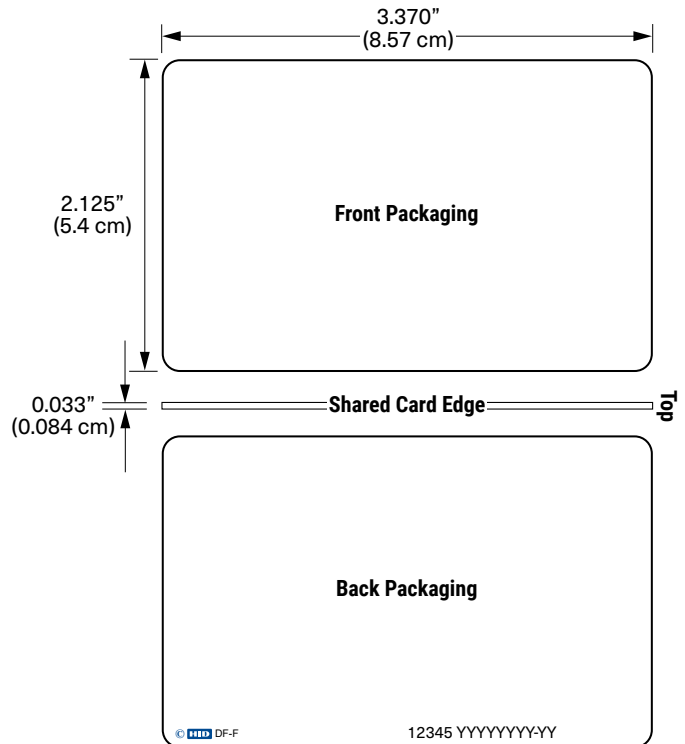
☒ **G** - Plain White with Gloss Finish

Card Numbering²

- ☐ **N** - No external ID number
- ☐ **A** - Sequential Matching Encoded/Printed (Laser Engraved)
- ☐ **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)
- ☐ **C** - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

Slot Punch

☒ **N** - No slot punch



Enter your final card options from the check boxes above. Example: 840FNGGNN

Final Part Number	840	F		G	G		N
-------------------	-----	---	--	---	---	--	---

DESFire Programming Information (Option S Only)

Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
				Printed Start Number	Encoded Stop Number

¹ Although HID carries out extensive device testing, we cannot guarantee the full compatibility of all FIDO or Seos enabled devices; we highly recommend full advanced testing before deployment. Note that the use of static 7-byte UID may require device re-configuration to disable ISO14444-3-A UID reader output to avoid collision with Seos SIO format data output.

² Cards ordered with plain white front and back packaging will still have a small HID logo and technology identifiers in the lower left-hand corner. Most part numbers are marked with the sales order number. A custom part number is required to omit dynamic or all marking from the card. Contact your local support representative for details.

³ Contact your local sales or pre-sales representative, HID requires a full written specification, additional lead time applies for setup, test, and evaluation of custom profiles.

MIFARE DESFire EV3 Compatibility Profile + FIDO Card - 841

A highly secure contactless smart card that supports FIDO (Fast Identification Online).

1 Important: It is highly recommended to pre-qualify this card within existing installations to ensure full compatibility with DESFire EV3 and FIDO enabled devices and systems. Refer to the datasheet for full details.

Offers the flexibility of backwards compatibility with iCLASS SE readers and third-party readers that rely on static UID through the introduction of an additional legacy EV1 Secure Identity Object (SIO) application. Based on static UID for compatibility.

Legacy EV1 SIO Application Compatibility: Supported by HID Signo, iCLASS SE, and multiCLASS SE readers.

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.4 or higher.

Ensure each required option has been checked with the appropriate choice to fulfill a completed order form.

Base Model ☒ **841 Composite (40% Polyester, 60% PVC)**

Memory Size

☒ **F** - 8K Bytes

Programming (Select one option)

☐ **P** - Programmed with legacy EV1 Secure Identity Object (SIO) application **plus** EV3 Secure Identity Object (SIO) application

☐ **V** - Unprogrammed for use with iCLASS SE Encoder (EV1 compatible SIO application programming only)

Front Packaging

☒ **G** - Plain White with Gloss Finish

Back Packaging

☒ **G** - Plain White with Gloss Finish

Card Numbering²

☐ **N** - No external ID number

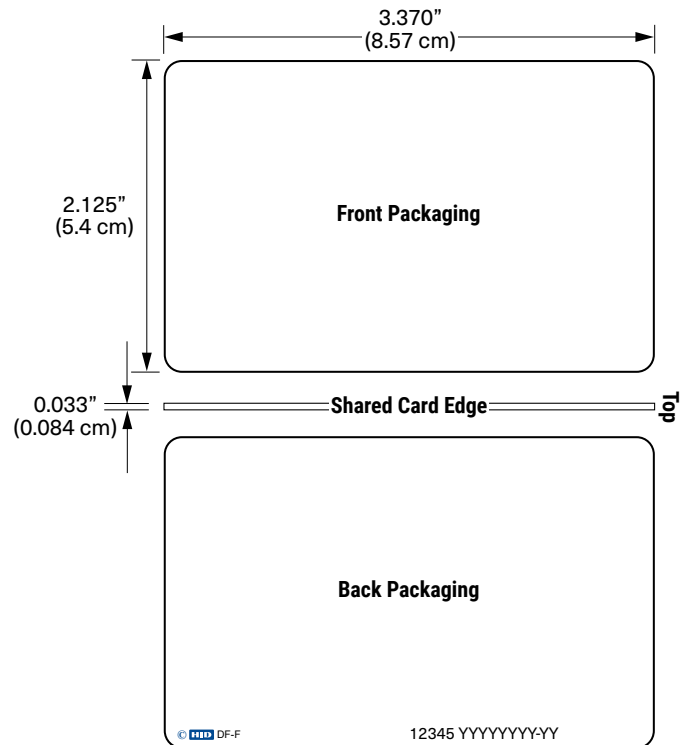
☐ **A** - Sequential Matching Encoded/Printed (Laser Engraved)

☐ **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)

☐ **C** - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

Slot Punch

☒ **N** - No slot punch



Enter your final card options from the check boxes above. Example: 841FPGGAN

Final Part Number	841	F		G	G		N
-------------------	-----	---	--	---	---	--	---

DESFire Programming Information

Format Number	Field Name(s) e.g. Facility Code	Value	QTY	Encoded Start Number	Encoded Stop Number
HID Elite ICE #				Printed Start Number	Encoded Stop Number

¹ Although HID carries out extensive device testing, we cannot guarantee the full compatibility of all FIDO or Seos enabled devices; we highly recommend full advanced testing before deployment. Note that the use of static 7-byte UID may require device re-configuration to disable ISO14443-A UID reader output to avoid collision with Seos SIO format data output.

² Cards ordered with plain white front and back packaging will still have a small HID logo and technology identifiers in the lower left-hand corner. Most part numbers are marked with the sales order number. A custom part number is required to omit dynamic or all marking from the card. Contact your local support representative for details.

Revision history

Date	Description	Revision
June 2025	Initial release.	A.0



hidglobal.com

For technical support, please visit: <https://support.hidglobal.com>

© 2025 HID Global Corporation/ASSA ABLOY AB.
All rights reserved.
PLT-08325, Rev. A.0

Part of ASSA ABLOY