

## MIFARE DESFire EV3 + Prox Card: High Security Profile – 812

Migration solution from HID Proximity to best in class security and privacy on EV3, programmed with an enhanced Secure Identity Object (SIO) based application that leverages new features of EV3. Introduces Random UID support to ensure privacy of user data.

EV3 SIO Application Compatibility: Supported by HID Signo readers with firmware 10.0.2.2 or higher.

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

**Base Model** ☒ **812 Composite (40% Polyester/PVC)**

### MIFARE DESFire EV3 Memory Size

☒ **F** - 8K Bytes

### DESFire Secure Identity Object Programming<sup>1</sup>

☒ **P** - Programmed with EV3 Secure Identity Object (SIO) application.  
Based on Random UID for improved privacy of user data.

### Prox Programming (select one option)

- ☐ **P** - Programmed with HID Prox or Indala format  
☐ **N** - Unprogrammed HID Prox for iCLASS SE encoder (CP1000)

### Front Packaging (select one option)

- ☐ **G** - Plain White with Gloss Finish  
☐ **C** - Custom Artwork with Gloss Finish -  
Specify Custom Artwork Number<sup>3</sup>

### Back Packaging (select one option)

- ☐ **G** - Plain White with Gloss Finish<sup>2</sup>  
☐ **1** - Plain White with Gloss Finish with Magnetic Stripe<sup>2</sup>  
☐ **C** - Custom Artwork with Gloss Finish -  
Specify Custom Artwork Number<sup>2,3</sup>  
☐ **3** - Custom Artwork with Gloss Finish with Magnetic Stripe -  
Specify Custom Artwork Number<sup>2,3</sup>

### DESFire Card Numbering<sup>4</sup> (select one option)

- ☐ **N** - No Printed Card Numbering  
☐ **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.

**IMPORTANT:** 812 credentials do not allow a slot punch due to antenna design.  
Use a badge holder to attach this card to a lanyard or badge clip.

### 125 kHz Card Numbering<sup>4</sup>

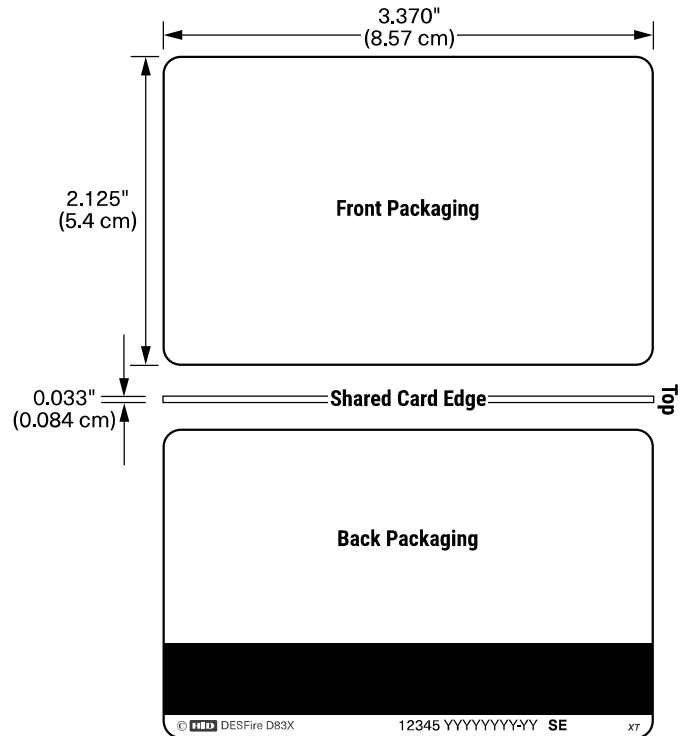
- ☐ **N** - No Printed Card Numbering  
☐ **A** - Sequential Matching Encoded/Printed (Laser Engraved)  
☐ **B** - Sequential Encoded/Sequential Non-Matching Printed (Laser Engraved)  
☐ **C** - Random Encoded/Non-Matching Sequential Printed (Laser Engraved)

### Option - Custom Artwork<sup>3</sup>

☐ \_\_\_\_\_ (Specify Artwork Number - Refer to the Custom Artwork Forms for new Artwork)

**Enter your final card options from check boxes above. Example: 812FPPGGANA**

Final Part Number	812	F	P					N	—	(Options #)
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12345 = Card ID Number  
YYYYYYY-YY = Sales Order Number



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### DESFire EV3 Card Programming Information

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

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### DESFire EV3 Card Programming Information


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

<sup>1</sup> Third party applications are required to support random UID, if in doubt, consult with the application vendor. Card allows free create/delete of third party applications.

<sup>2</sup> For new artwork files, contact Customer Service for custom artwork number, lead-times, and cost.

<sup>3</sup> Cards ordered with plain white front and back packaging, with no HID artwork or with custom artwork, will still have a small “HID logo” “” and reference number printed in the lower left-hand corner on the back of the card. A custom part number is required to omit all marking.

<sup>4</sup> The Printed card number is placed in the bottom right-hand corner on the back of the card.