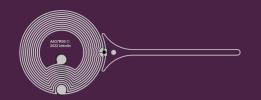
# **II PENTIV**



# **ID-Safe-A637-I3**HF/NFC Inlay and Label

## IC Speciality

Identiv's ID-Safe-A637-I3, powered by NXP ICODE3 IC, delivers enhanced performance with SELFAdjust technology and a fast 212 kbit/sec read rate. ID-Safe-A637-I3 offers 2.4 kbit of user memory and extended NFC features, including automatic mirroring of UID, counter, and tamper status.

Security is strengthened with a Customizable Originality Signature and two password-protected untraceable modes, making ICODE3 ideal for applications demanding high performance, security, and data protection.

## Key Features

- SELFAdjust mechanism for 23pF variant to adjust RF performance to the optimum in current environment
- Customizable Originality Signature of 32 or 48 bytes (based on ECC) for tag authenticity
- App-free first-opening and current status detection (incl. mirror) for ICODE3 TagTamper
- Available as dry inlay, wet inlay, and label

## **Frequency**

• HF 13.56 MHz

#### **Antenna Dimensions**

• 68.2 x Ø 26 mm

#### Chip

NXP ICODE 3

#### **International Standards**

- NFC Forum Type 5 Tag
- ISO/IEC 15693

#### **Industries**

- Automotive
- Smart home
- Smart city
- · Industrial

### **Applications**

- Authentication
- General purpose NFC applications
- Secure authentication
- Smart posters



## Specifications

| Format                    | Dry Inlay  | Wet Inlay   | Label   |
|---------------------------|--|---|---|
| Product Part Number       | 9001144  | 9001145   | 9001146   |
| Manufacturing Part Number | I00XXXIR9A26   | I00PADIR9A26  | L15XADIR9A26  |
| Chip                      | NXP ICODE 3  | NXP ICODE 3   | NXP ICODE 3   |
| User Memory               | 2.4kbit  | 2.4kbit   | 2.4kbit   |
| Antenna Dimension         | 68.2 x Ø 26 mm   | 68.2 x Ø 26 mm  | 68.2 x Ø 26 mm  |
| Tag Dimensions            | 75 x Ø 30 mm   | 75 x Ø 30 mm  | 75 x Ø 30 mm  |
| ISO/IEC Norm              | ISO/IEC 15693  | ISO/IEC 15693   | ISO/IEC 15693   |
| Frequency                 | 13.56 MHz  | 13.56 MHz   | 13.5 6 MHz  |
| Face Material             | -  | Clear PET   | White PET   |
| Thickness                 | ~ 190 µm   | ~ 285 µm  | ~ 290 µm  |
| Pitch                     | 85.0 mm  | 85.0 mm   | 85.0 mm   |
| Web Width                 | 48 mm  | 48 mm   | 48mm  |
| Operating Temperature     | -20°C ~ 70°C (-4°F ~<br>158°F), at <60%RH  | -20°C ~ 70°C (-4°F ~<br>158°F), at <60%RH                                       | -20°C ~ 70°C (-4°F~<br>158°F), at <60%RH  |
| Storage Information       | 2 years under<br>desiccated condition;<br>10°C ~ 25°C (50°F ~<br>77°F), ≤ 60% RH | 1 year under<br>desiccated condition;<br>10°C ~ 25°C (50°F ~<br>77°F), ≤ 60% RH | 1 year under<br>desiccated condition;<br>10°C ~ 25°C (50°F ~<br>77°F), ≤ 60% RH |

#### Contact Information: sales@identiv.com

Care and handling: To minimize static charge and environmental impact, it's crucial to adhere to standard industry practices related to electronics and RFID when handling RFID inlays, as they are sensitive to ESD.

Application: To ensure that this product meets specific requirements, customers/users must thoroughly test it under end-use conditions. Identiv does not claim that the product is suitable for any particular purpose or use. Additionally, Identiv retains the right to modify, supplement, change, or discontinue product offerings at any time without prior notice. While the information presented here is believed to be reliable, Identiv does not guarantee the accuracy or correctness of the data.

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