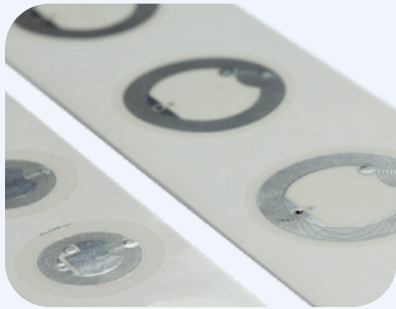


# Inlays & Labels - Non Metal

## Efficiently tag large quantities of non-metallic assets to enable powerful RFID applications

HID Global Inlays & Labels are small, thin self-adhesive tags that allow discreet or overt placement. They are easily hidden behind a poster or display, or inside a product housing or package; or they may be imprinted with high-visibility graphics, attracting the attention of people with smartphones or other standard RFID readers.



Promotional marketers use Inlays & Labels to quickly and cost-effectively integrate digital touch points into physical media, such as posters, packaging, point-of-purchase displays, and magazines. With Inlays & Labels in place, smartphone-wielding customers can interact in real time with your brand. Wireless technology enables effortless transactions, engaging improved customer participation and satisfaction.

NFC technology has enabled the convergence of social media, localized promotional efforts and mobile technology, empowering marketers with unprecedented tools to promote products and services while rewarding customer loyalty. Integrate the benefits of social-local-mobile (SoLoMo) technology to empower your customer conversations.

For industrial applications, HF and UHF Inlays & Labels enhance the speed and accuracy of inventory and process management systems. Using RAIN® RFID technology, each labeled asset can be identified in the supply chain or connected via Internet of Things (IoT), enabling businesses and consumers to identify, locate, authenticate and engage each item. Printable labels for on-metal use are described in a separate datasheet.

HID Global guarantees each individual RFID Inlay & Label tag will perform to specifications. Our quality assurance streamlines processing and encoding to keep your projects on time and on budget.

For high-security applications, innovative HID Trusted Tag® Services combines cryptographically secure NFC Inlays & Labels with a cloud-based authentication platform, powering frictionless, secure transactions.

For specific needs, LUX-IDent, part of HID Global, designs and manufactures custom labels in HF and UHF.



### KEY BENEFITS

- Effortless integration – Simply apply tags to any print media, packaging or non-metal assets.
- Ready adoption – Interoperable with NFC Forum and RAIN UHF RFID compliant devices.
- Enhanced effectiveness – Faster, more accurate than QR-codes or text transactions.









### TECHNOLOGY HIGHLIGHTS:

- Standards compliant options
  - NFC Forum Tag Type 2, 4 or 5
  - RAIN UHF RFID
- Label reels may be programmed and printed using standard equipment
- Each tag guaranteed to work

### OTHER OPTIONS:

- Customized labels from [LUX-IDent](#)
- [HID Trusted Tag versions](#)
- [On-metal Labels](#)

For more information, contact  
[tagsales@hidglobal.com](mailto:tagsales@hidglobal.com)

INLAYS & LABELS								
HF								
	18 x 57	23		28 x 44	29	40		48 x 48
								
<b>Base Model Number</b>	629C57	6E3E23	6E3C23	629C35	6E3E29	6E3E40	6E3C40	629F48
<b>Material</b>	PET Clear	Paper Label	PET Clear		Paper Label		PET Clear	PET White
<b>ELECTRONIC</b>								
<b>Operating Frequency</b>	13.56 MHz							
<b>Chip Type</b>	ICODE SLIX	NTAG213 (alternative option: Trusted Tag)		ICODE SLIX2	NTAG213			ICODE SLIX
<b>Memory</b>	896 bit EEPROM	144 byte EEPROM		2560 bit UM	144 byte EEPROM			896 bit EEPROM
<b>UHF Reading Distance 2 W reader ERP, free space</b>	Proximity (NFC Tap)							
<b>PHYSICAL</b>								
<b>Dimensions</b>	0.7 x 2.2 in (18 x 57 mm)	ø 0.9 in (23 mm)		1.1 x 1.7 in (28.6 x 44.5 mm)	ø 1.1 in (29 mm)	ø 1.6 in (40 mm)		1.9 x 1.9 in (48 x 48 mm)
<b>Antenna</b>	0.6 x 2.1 in (14 x 54 mm)	ø 0.8 in (20 mm)		0.9 x 1.4 in (22.5 x 35.5 mm)	ø 0.8 in (20 mm)	ø 1.4 in (35 mm)		ø 1.8 in (45 mm)
<b>Mounting Method</b>	Self-adhesive							
<b>Affixes To</b>	Flat, dry and non-metallic surfaces							
<b>Housing Material</b>	PET	Paper	PET		Paper		PET	
<b>Color</b>	Transparent	White	Transparent		White		Transparent	
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>								
<b>Water</b>	IP67, 68° F (20° C), 3.3 ft (1 m) x 35 min							
<b>Environmental Test Conditions</b>	68° F (20° C), 100 h							
<b>Vibration</b>	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]							
<b>Shock</b>	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]							
<b>THERMAL</b>								
<b>Storage</b>	On reel, Shelf life max. 1 year at 14° to 104°F (-10° to +40°C), 30-70% relative humidity							
<b>Operating</b>	-4° to +158° F (- 20 °C to +70 °C)							
<b>OTHER</b>								
<b>Standards</b>	ISO/IEC 15963, 18000-3, NFC Tag Type 5	ISO 14443A - NFC Tag Type 2		ISO/IEC 15963, 18000-3, NFC Tag Type 5	ISO/IEC 14443A, NFC Forum Tag Type 2			ISO/IEC 15963, 18000-3, NFC Tag Type 5
<b>Options</b>	HID Trusted Tag® (NFC Type 4) or alternative NTAG chips; Dry inlays; custom printing. Imprint of black register bar between labels when precise positioning is required (add "R" to end of part number).							
<b>Box Size</b>	1,800 pcs.	2,000 pcs.		5,000 pcs.	2,000 pcs.	1,000 pcs.	2,000 pcs.	1,000 pcs.
<b>Warranty</b>	1 Year							

INLAYS & LABELS														
UHF														
	19 x 13	48 x 13			50 x 50	54 x 34	70 x 14	70 x 40	92 x 28			97 x 12		
<b>Base Model Number</b>	6H2E19	6H2F47	6H2F43	6H2E43	6H2E50	6H2E54	6H2F73	6H2N74	6H2E92	6H2H92	6H2F92	6H2F98	6M2F98	
<b>Material</b>	Paper Label	PET White			Paper Label			PET White	Nylon Label	Paper Label	PET Clear	PET White		
<b>ELECTRONIC</b>														
<b>Operating Frequency</b>	860 to 960 MHz													
<b>Chip Type</b>	Monza R6-P											UCODE 9		
<b>Memory</b>	128/96 bit EPC, 32/64 bit UM											96 bit EPC		
<b>UHF Reading Distance 2 W reader ERP, free space</b>	Up to 0.6 ft (20 cm)			Up to 32.8 ft (10 m)			Up to 46 ft (14 m)	Up to 19.6 ft (6 m)	Up to 46 ft (14 m)			Up to 39 ft (12 m)		
<b>PHYSICAL</b>														
<b>Dimensions</b>	0.7 x 0.5 in (19.05 x 12.7 mm)	1.8 x 0.5 in (47.5 x 13.38 mm)	1.7 x 0.7 in (43 x 18 mm)	1.8 x 0.5 in (47.5 x 13.38 mm)	1.97 x 1.97 in (50.8 x 50.8 mm)	2.1 x 1.3 in (54 x 34 mm)	2.8 x 0.8 in (73.5 x 21.2 mm)	2.7 x 1.6 in (69.8 x 40 mm)	3.6 x 1.1 in (92 x 28 mm)			3.8 x 0.5 in (98 x 12.31 mm)	3.8 x 0.5 in (97 x 12.31 mm)	
<b>Antenna</b>	0.7 x 0.3 in (12 x 9 mm)	1.7 x 0.4 in (44.4 x 10.3 mm)	1.6 x 0.6 in (40 x 15 mm)		1.6 x 0.7 in (42 x 18 mm)	1.2 x 1.9 in (30 x 50 mm)	2.7 x 0.5 in (70 x 14 mm)	1.9 x 1.2 in (50 x 30 mm)	0.9 x 3.4 in (24 x 88 mm)	0.9 x 3.4 in (24 x 88 mm)	0.9 x 3.4 in (24 x 88 mm)	3.5 x 0.4 in (90 x 10 mm)		
<b>Mounting Method</b>	Self-adhesive													
<b>Affixes To</b>	Flat, dry and non-metallic surfaces													
<b>Housing Material</b>	Paper	PET			Paper			PET	Nylon	Paper	PET			
<b>Color</b>	White									Transparent	White			
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>														
<b>Water</b>	IP67, 68° F (20° C), 3.3 ft (1 m) x 35 min													
<b>Environmental Test Conditions</b>	68° F (20° C), 100 h													
<b>Vibration</b>	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]													
<b>Shock</b>	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]													
<b>THERMAL</b>														
<b>Storage</b>	-4° to +158° F (-20 °C to +70 °C)	-40° to +185° F (-40° to +85° C)			On reel, Shelf life max. 1 year at 14° to 104°F (-10° to +40°C), 30-70% relative humidity			-40° to +185° F (-40° to +85° C)	On reel, Shelf life max. 1 year at 14° to 104°F (-10° to +40°C), 30-70% relative humidity			-4° to 158°F (-20° to +70°C) (1 x 1000 h)		
<b>Operating</b>	-4° to +158° F (-20 °C to +70 °C)	-40° to +185° F (-40° to +85° C)			-4° to +158° F (-20 °C to +70 °C)			-40° to +185° F (-40° to +85° C)	-4° to +158° F (-20 °C to +70 °C)					
<b>OTHER</b>														
<b>Standards</b>	UHF EPC Class 1 Gen 2, ISO 18000-63													
<b>Options</b>	Personalization on demand													
<b>Box Size</b>	5,000 pcs			2000 pcs.			5,000 pcs			2,000 pcs.			5,000 pcs	
<b>Warranty</b>	1 Year													



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