



# ALN-9740

# SQUIGGLE INLAY (HIGGS™ 4)

The Alien Technology® ALN-9740 Squiggle® is a high-performance, general-purpose RFID inlay for use in a wide variety of applications. Brings all the Higgs™ 4 advantages to highly-regarded “Squiggle” Inlay.

### Applications

- Volume Retail/Apparel
- Enterprise Wide Asset Management
- Warehouse Management
- Tracking Challenging Materials and Objects



FEATURE	DESCRIPTION	BENEFIT
One of the most widely-used general-purpose tags, now with an optimized memory footprint.	Well-proven design for a broad range of worldwide applications. Optimized 448 bit memory footprint for volume and enterprise applications.	Robust, proven, and reliable. Designed to drive down the cost-of-ownership while increasing efficiencies of RFID solutions in large enterprises.
One of the best performing general-purpose tags on the market, now with next generation Higgs™ 4 performance.	Optimized for high performance in all world regions. Higgs™ 4 further enhances read and write sensitivity.	Trusted performance now even further enhanced, enabling robust encoding and reading, even in challenging conditions.
Designed to work well in challenging dielectric environments.	A very robust general purpose tag.	Reliable in challenging environments.

### Features:

- › Designed to meet EPCglobal Gen2 (V1.2.0) and ISO/IEC 18000-6C
- › Worldwide operation in the RFID UHF bands (840-960 MHz)
- › 448-Bits of NVRAM Memory
  - 128-EPC Bits
  - 128 User Bits
  - 64 Bit Unique TID
  - 32 Bit Access and 32 bit Kill Passwords
- › Pre-Programmed with a unique, unalterable 64-bit serial number
- › User Memory can be Block Perma-Locked as well as read password protected in 32 Bit Blocks
- › Low power operation for both read and program
- › Dynamic Authentication™ - anti-cloning/anti-counterfeit technology
- › Exceptional operating range, up to 11m with appropriate antenna.
- › Available in high-yield, high capacity dry/wet inlay rolls

### Product Overview:

Powered by Alien®’s volume focused **Higgs™ 4 UHF RFID IC** and innovative **Squiggle** antenna design, the ALN-9740 delivers industry leading EPC Gen 2 performance and reliability at a competitive price.

ALN-9740 inlays are *World Tag* compliant, enabling consistent operation across the diverse frequencies of the Americas, Europe, Middle East, Asia, and Africa.

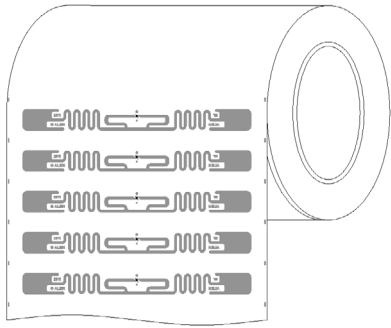
With its Higgs-4 core, the Squiggle delivers next generation performance and a rich feature set, yet is completely **optimized for the highest volume enterprise, retail, and apparel applications.**

An optimized memory footprint includes a 32-bit TID, a **64-bit Unique TID for authentication** and **next generation serialization** applications, a **128-bit EPC memory** bank, 128-bits of user memory for distributed data applications, and **password protected read and write** support capabilities to prevent unauthorized viewing and modification of the tag’s data.

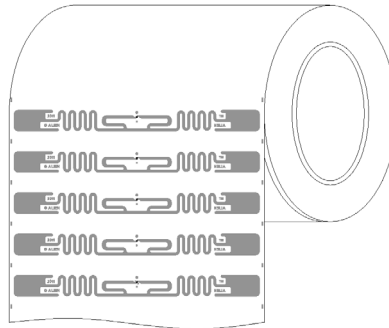
Typical applications for the Squiggle include, but are not limited to, corrugate cases, pallet placards, apparel hang tags, baggage tags, shipping labels, asset management, and file folder labels.



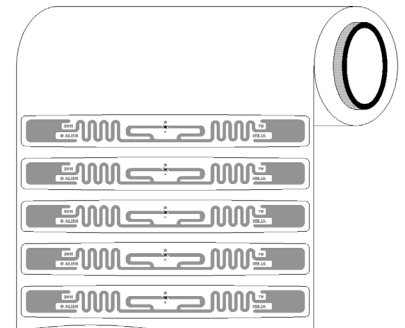
### ALN-9740 Inlay Orientation



**ALN-9740-R**  
**(Dry Unslit Roll)**



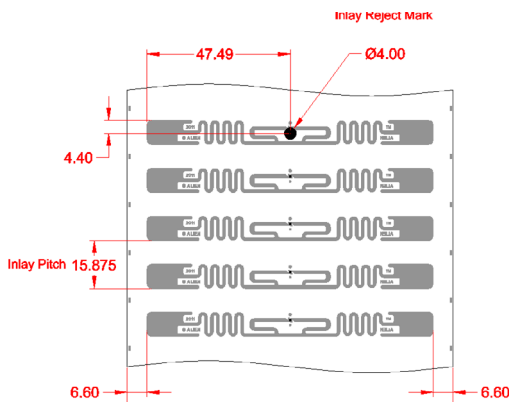
**ALN-9740-SR**  
**(Dry Slit Roll)**



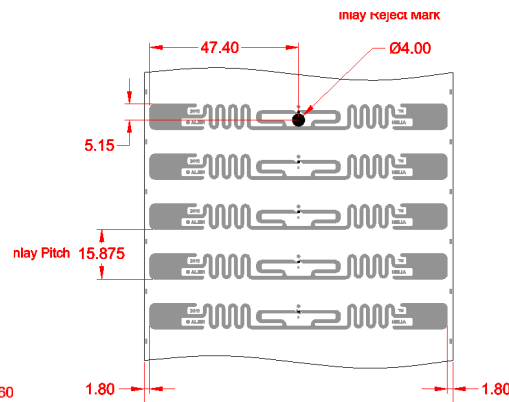
**ALN-9740-WRC / -WRW**  
**(Clear / White Wet Inlay)**

Standard Alien Inlay rolls unwind with metal antenna side facing outward, with respect to the core.

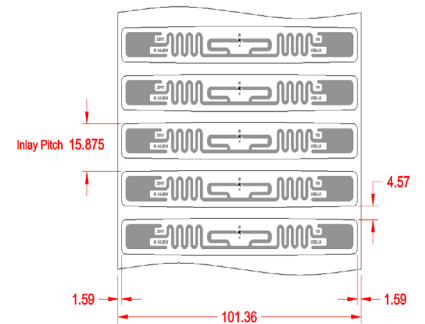
### ALN-9740 Inlay Specification



**ALN-9740-R**  
**(Dry Unslit Roll)**



**ALN-9740-SR**  
**(Dry Slit Roll)**



**ALN-9740-WRC / -WRW**  
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