

**Printronix Auto ID Guide Specification**  
**RFID Label**  
**860-960 MHz EPC Class 1, Gen 2**  
**Avery AD-224 Antenna**



**Applicable Printer Models**

**SL4M/SL5000r MP2 Standard Pitch and SL4M Short Pitch**

**Disclaimer**

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6/14/2016

## Scope

This document provides guide specifications for constructing UHF Class 1, Gen 2, RFID labels with an Avery AD-224 RFID Gen2 Antenna for use with Printronix Auto ID RFID SL4M, SL5000r MP2 Standard Pitch and SL4M Short Pitch printers.

## Requirements

### Inlay Characteristics

Inlay: **Avery AD-224.**

Silicon Type: **NXP G2XL or NXP G2XM.**

EPC Memory: **NXP G2XL = 240 bits NXP G2XM = 240 Bits**

User Memory: **NXP G2XL = N/A NXP G2XM = 512 Bits**

TID: **NXP G2XL = E2006004 NXP G2XM = E2006003**

Nominal operating frequency: **860-960 MHz.**

EPC Protocol: **UHF Class 1, Gen 2**

### Printer Setup

SL4M/SL5r MP2 Std Pitch & SL4M Short Pitch Coupler Position: **Orange**

SL4M/SL5r MP2 Std Pitch RFID menu Tag Type: **“Avery AD224”**

SL4M/SL5r MP2 Std Pitch RFID menu (Interim Tag Type: **“Avery AD222”**).

SL4M Short Pitch RFID menu Tag Type: **“Avery AD224”**

SL4M Short Pitch RFID menu (Interim Tag Type: **“N/A”**).

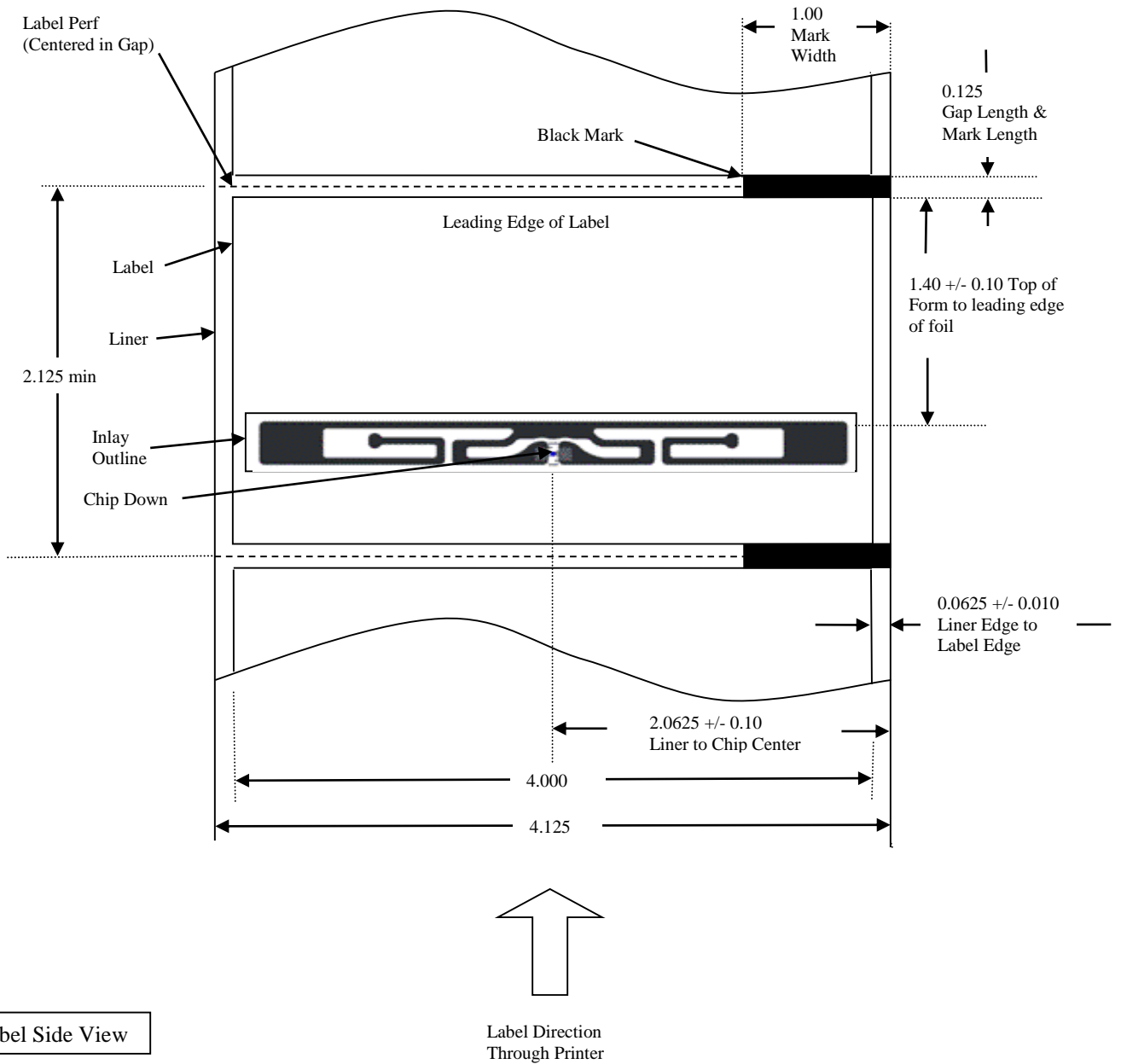
SL4M MP2 Std Pitch RFID menu Tag Position: **0.0 inches**

SL4M Short Pitch RFID menu Tag Position: **-0.3 inches**

Interim Tag Type selection works with 96 bit EPC only. Printer firmware update is required to work with full memory.

## Contact Information

For comments or questions, please contact Andy Edwards at [AEdwards@Printronixautoid.com](mailto:AEdwards@Printronixautoid.com) or 657-258-0816.

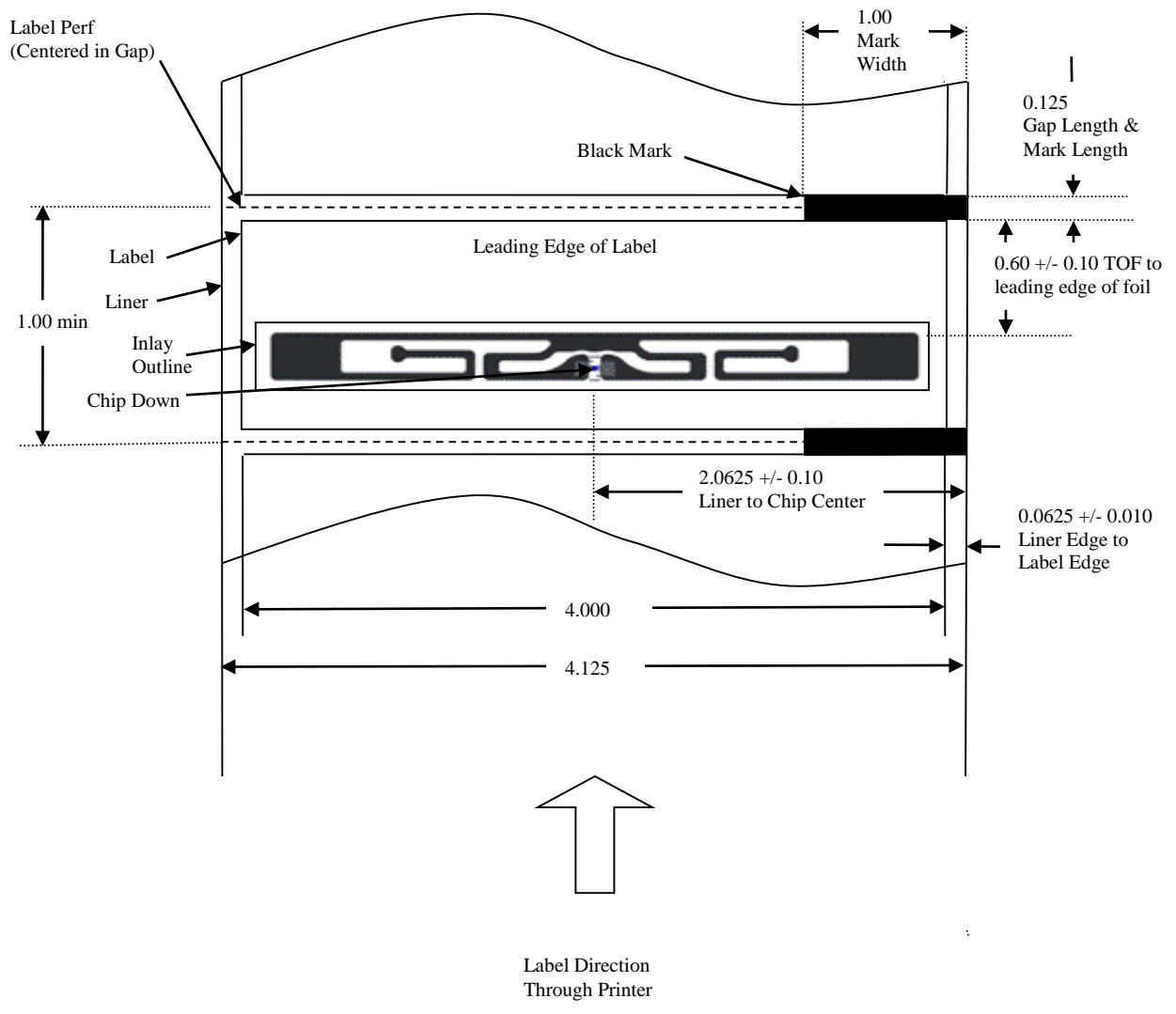


**Printronix Auto ID RFID Label Requirements for SL4M/SL5r  
MP2 “Standard Pitch” Gen 2 Avery AD-224 Inlay**

Not to Scale

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Revision 1.0

**Figure 1. Label Layout**



**Printronix Auto ID RFID Label Requirements for SL4M  
 "Short Pitch" Avery AD-224 Inlay**

Label Side View

Not to Scale  
 All Dimensions in Inches

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**Figure 2. Label Layout**