

**Printronix Auto ID Guide Specification
RFID Label
860-960 MHz EPC Class 1, Gen 2
Avery AD-231D 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-231D 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-231D**

Silicon Type: **Impinj Monza 4**

EPC Memory: Monza: 4D = 128 bits, 4E = 496 bits, 4U = 128 bits, 4QT = 128 bits

User Memory: Monza: 4D = 32 bits, 4E = 128 bits, 4U = 512 bits, 4QT = 512 bits

TID: Monza 4D TID = E2801100, Monza 4E TID = E280110C

Monza 4U TID = E2801104, Monza 4Q TID = E2801105

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

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

Printer Setup

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

SL4M/SL5r MP2 Std Pitch RFID menu Tag Type: **“Avery AD231D”**

SL4M/SL5r MP2 Std Pitch RFID menu (Interim Tag Type: **“Avery AD230”**).

SL4M Short Pitch RFID menu Tag Type: **“Avery AD231D”**

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

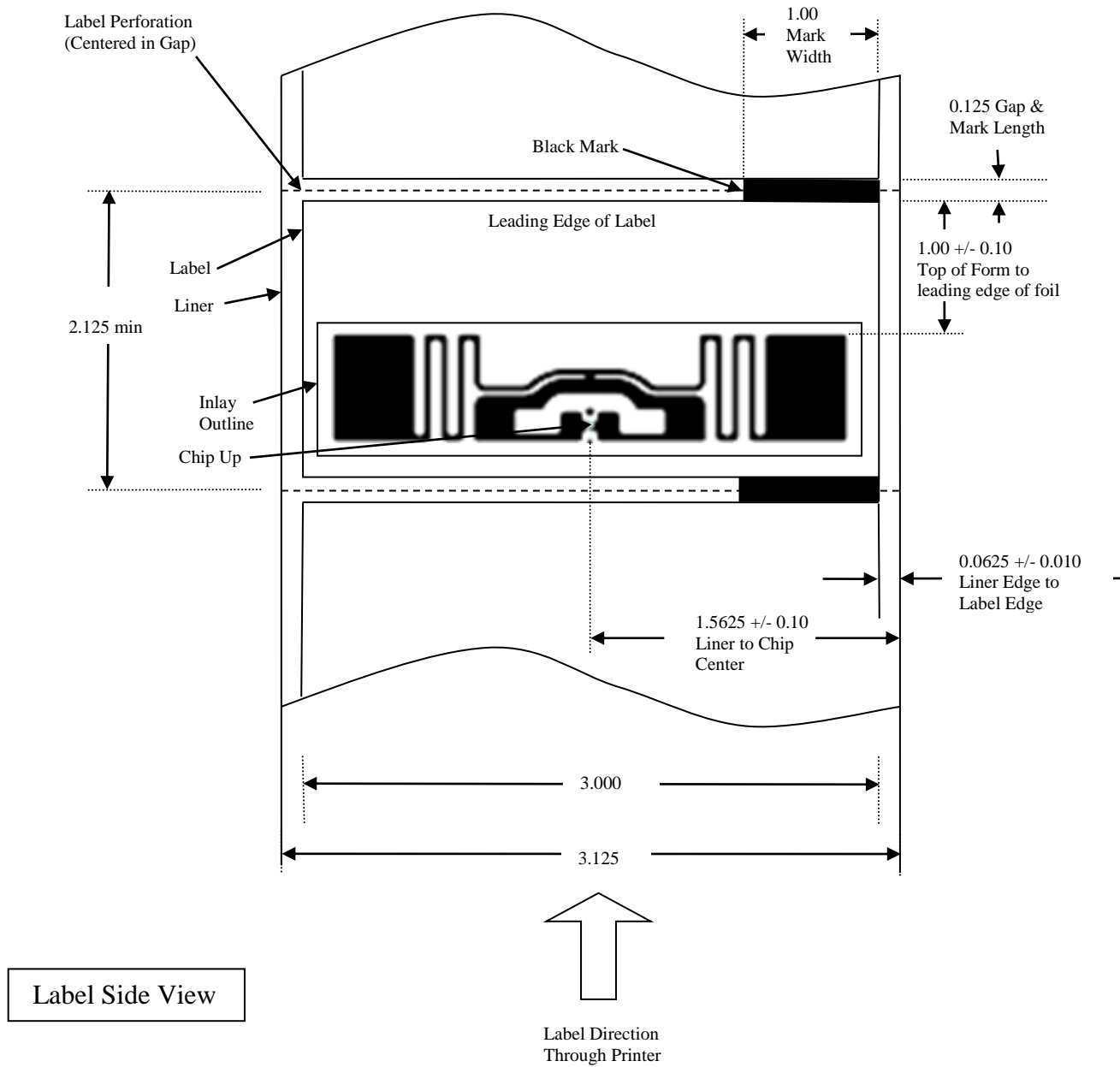
SL4M MP2 Std Pitch RFID menu Tag Position: **0.0 inches**

SL4M Short Pitch RFID menu Tag Position: **-0.2 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 or 657-258-0816.

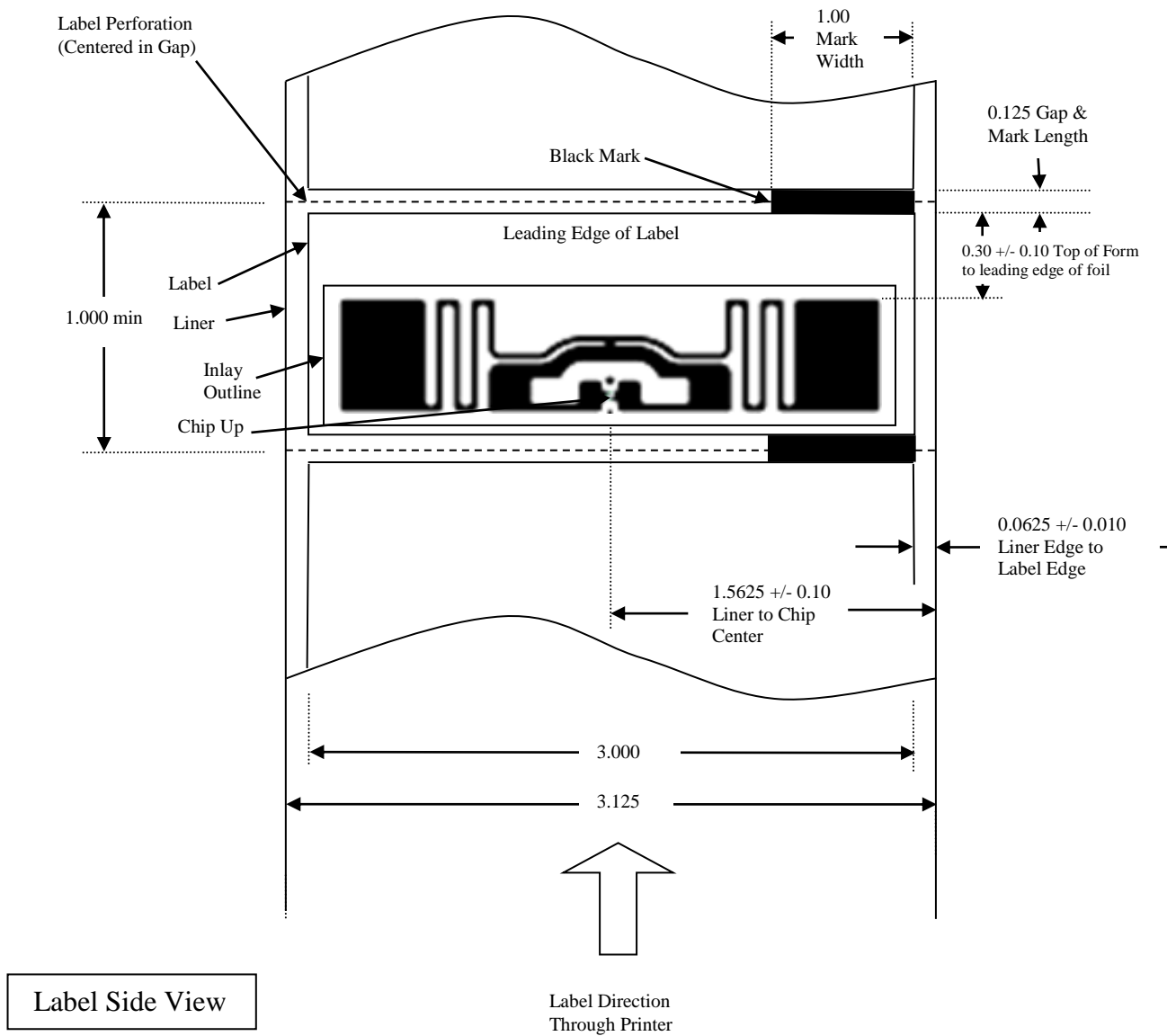


Printronix Auto ID RFID Label Requirements for SL4M/SL5r MP2
 "Standard Pitch" Gen 2
 Avery AD-231D Inlay

Not to Scale
 All Dimensions in Inches

Figure 1. Label Layout

June 14, 2016



**Printronix Auto ID RFID Label Requirements for SL4M
 "Short Pitch" Gen 2
 Avery AD-231D Inlay**

Not to Scale
 All Dimensions in Inches

Figure 2. Label Layout

June 14, 2016