

**Printronix Auto ID Guide Specification  
RFID Label  
860-960 MHz EPC Class 1, Gen 2  
Avery AD-661r6 Antenna**



**Applicable Printer Models**

**SL5000r-ES MP2 Standard Pitch and SL4M Short Pitch**

**Disclaimer**

Notwithstanding anything to the contrary in this document, the guidelines, suggestions and other information included in this document or otherwise provided to the recipient, including the guidelines and suggestions for developing converted RFID labels, are provided by Printronix Auto ID on an "as is" basis and without warranty of any kind whatsoever, expressed or implied. In particular, Printronix Auto ID disclaims any implied warranty of merchantability or fitness for a particular purpose. Printronix Auto ID will not be liable under any circumstances for any damages or losses related in any way to use of the guidelines, specifications or other information, including damages, which may be incurred as a result of labels not working properly in a specific application. All specifications are subject to change without notice. Testing of the converted labels in the printer is recommended prior to production quantities.

6/16/2016

## Scope

This document provides guide specifications for constructing UHF Class 1, Gen 2, RFID labels with an Avery AD-661r6 RFID Gen2 Antenna for use with Printronix Auto ID RFID SL5000r-ES MP2 Standard Pitch and SL4M Short Pitch printers.

## Requirements

Inlay Characteristics

Inlay: **Avery AD-661r6**

Inlay Dimensions: **3.543” (90.0mm) Wide x 0.748” (19.0mm) High**

Silicon Type: **Impinj Monza 6**

EPC Memory: **96 bits**

User Memory: **N/A**

TID: **E2801160**

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

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

Printer Setup

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

SL5r-ES MP2 Std Pitch RFID menu Tag Type: **“Avery AD661r6”**

SL5r-ES MP2 Std Pitch RFID menu (Interim Tag Type: **“Avery AD227”**).

SL4M Short Pitch RFID menu Tag Type: **“Avery AD661r6”**

SL4M Short Pitch RFID menu (Interim Tag Type: **“S/Trac Short M4”**).

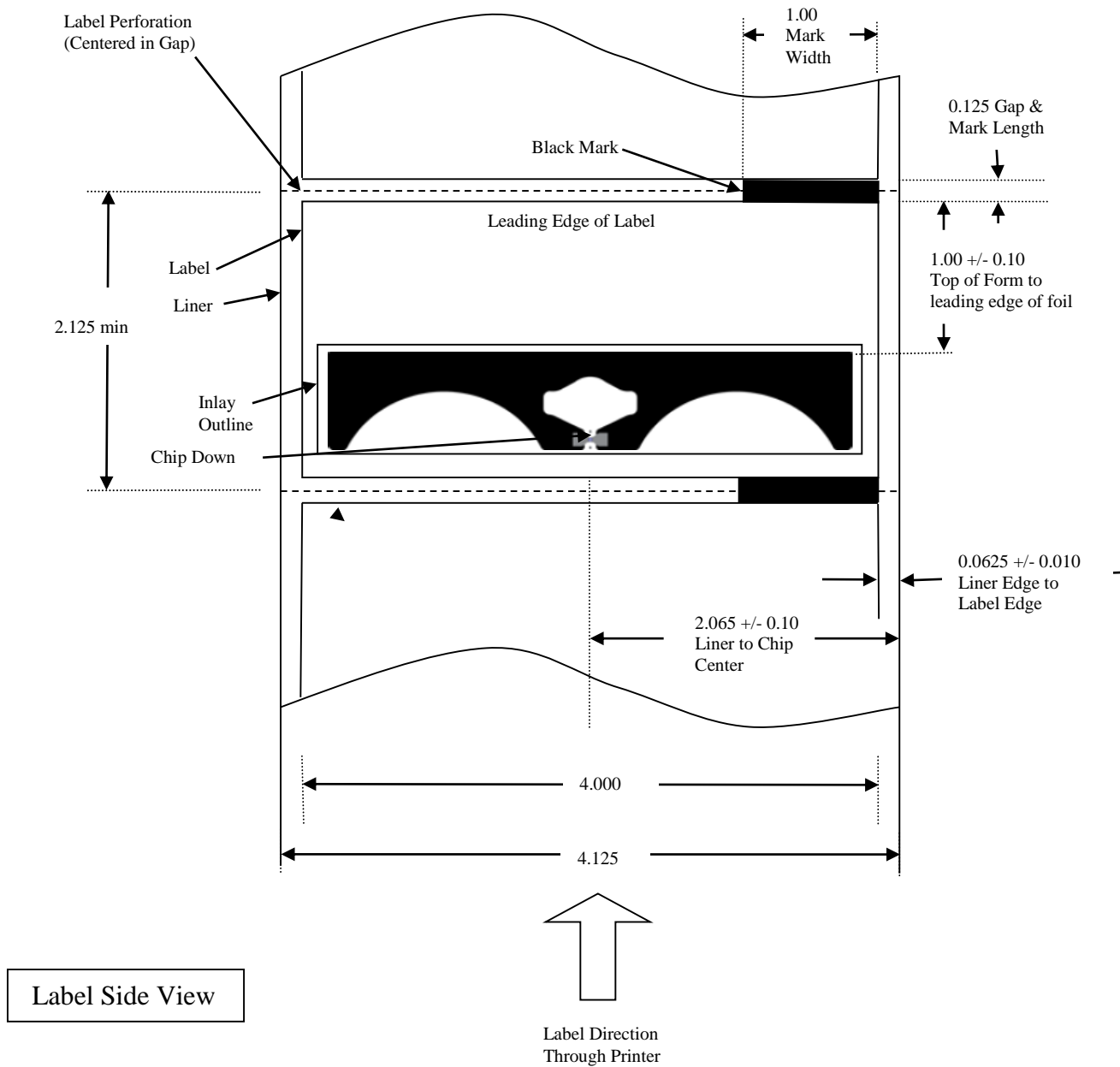
SL4M MP2 Std Pitch RFID menu Tag Position: **0.0 inches**

SL4M Short Pitch RFID menu Tag Position: **-0.4 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.



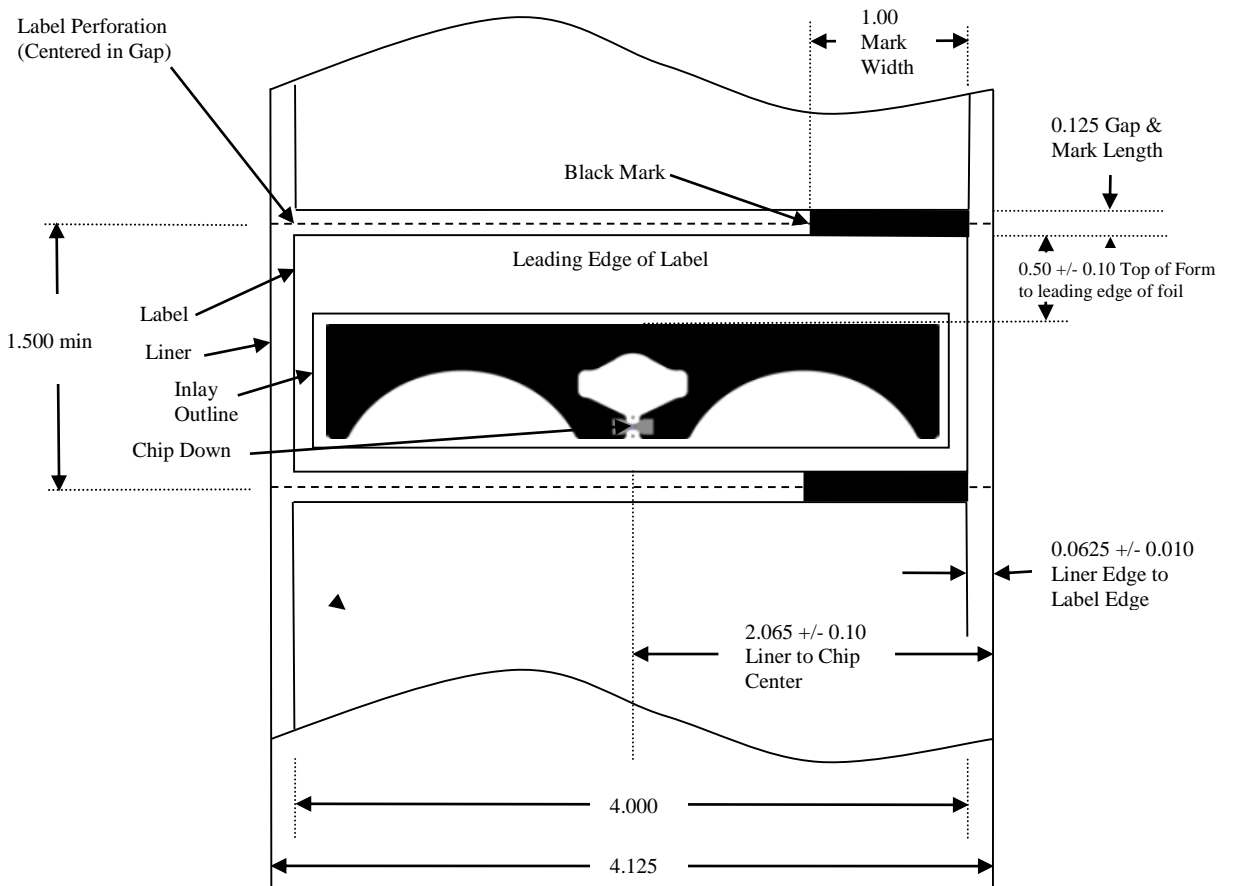
Label Side View

**Printronix Auto ID RFID Label Requirements for SL5r MP2  
 “Standard Pitch” Gen 2  
 Avery AD-661r6 Inlay**

Not to Scale  
 All Dimensions in Inches

**Figure 1. Label Layout**

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Label Side View

Label Direction  
Through Printer

**Printronix Auto ID RFID Label Requirements for SL4M  
"Short Pitch" Gen 2  
Avery AD-661r6 Inlay**

Not to Scale  
All Dimensions in Inches

**Figure 2. Label Layout**

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