

**Printronix Auto ID Guide Specification  
RFID Label  
860-960 MHz EPC Class 1, Gen 2  
Tageos EOS 500 Antenna**



**Applicable Printer Models**

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

**Disclaimer**

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6/24/2016

## Scope

This document provides guide specifications for constructing UHF Class 1, Gen 2, RFID labels with a Tageos EOS 500 RFID Gen2 Antenna for use with Printronix Auto ID RFID SL4M, SL5000r MP2 Standard Pitch and SL4M Short Pitch printers.

## Requirements

### Inlay Characteristics

Inlay: **Tageos EOS 500.**

Silicon Type: **Alien Higgs 3.**

EPC Memory: **96 bits up to 256 bits.**

User Memory: **320 up to 512 bits (set automatically based on EPC memory setting).**

TID: **E2003412.**

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: **“Tageos EOS 500”**

SL4M/SL5r MP2 Std Pitch RFID menu (Interim Tag Type: **“Alien9640 Squig”**).

SL4M Short Pitch RFID menu Tag Type: **“Tageos EOS 500”**

SL4M Short Pitch RFID menu (Interim Tag Type: **“Alien9640 Squig”**).

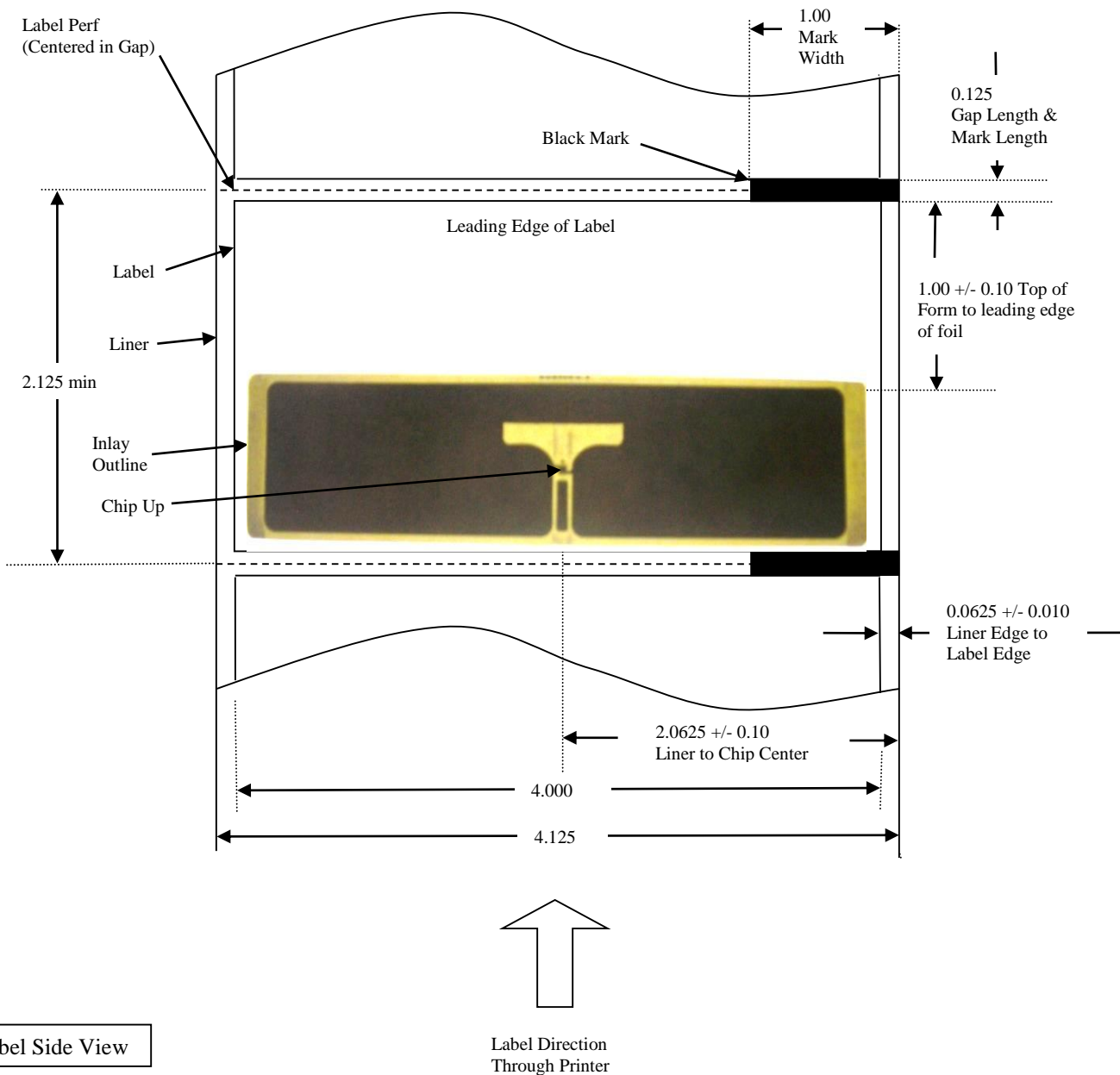
SL4M MP2 Std Pitch RFID menu Tag Position: **0.0 inches**

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](mailto:AEdwards@Printronixautoid.com) or 657-258-0816.

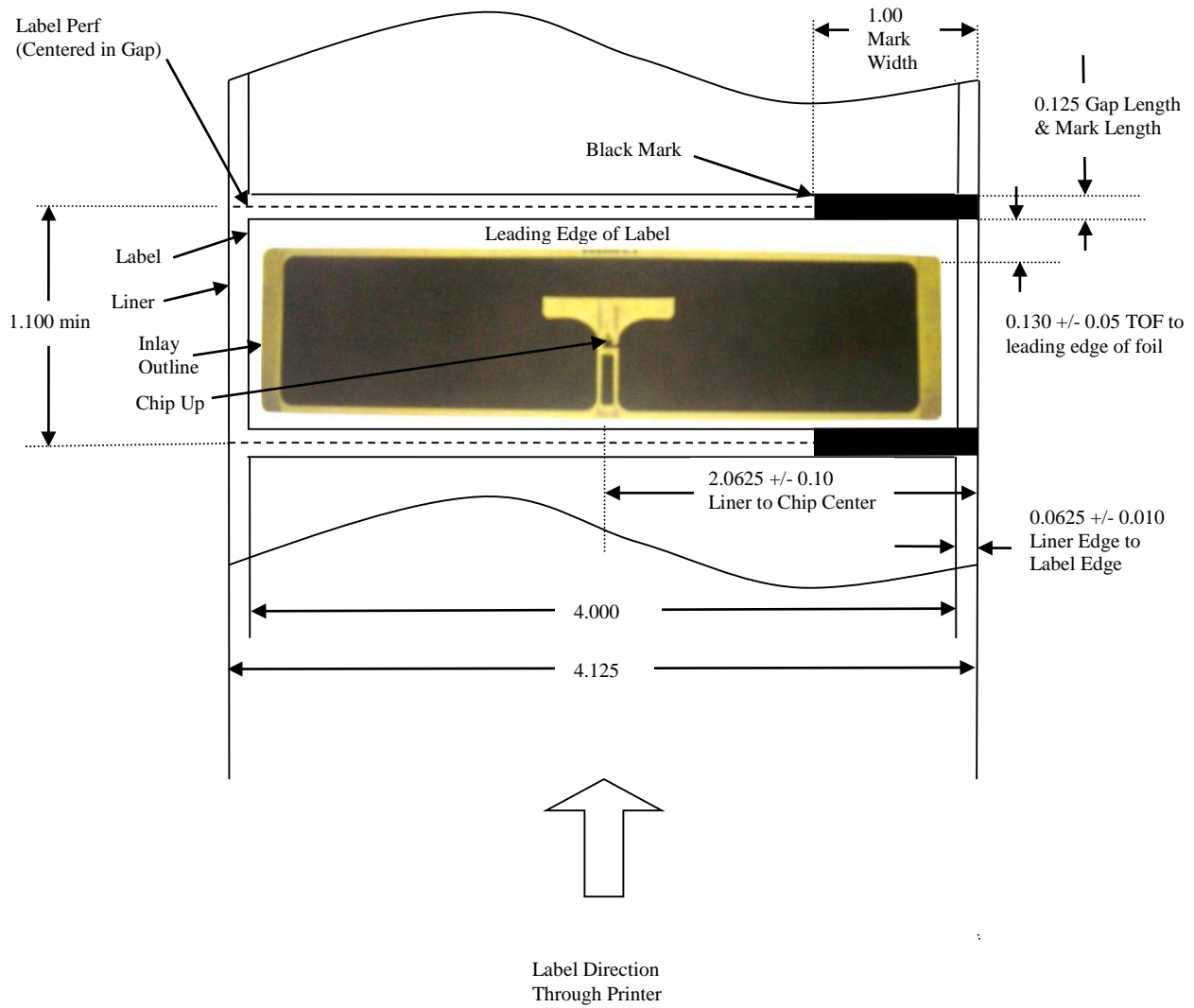


**Printronix Auto ID RFID Label Requirements for SL4M/SL5r  
MP2 "Standard Pitch" Gen 2  
Tageos EOS 500 Inlay**

Not to Scale

June 24, 2016  
Revision 1.0

**Figure 1. Label Layout**



**Printronix Auto ID RFID Label Requirements for SL4M  
 "Short Pitch" Tageos EOS 500 Inlay**

Label Side View

Not to Scale  
 All Dimensions in Inches

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**Figure 2. Label Layout**