

**Printronix Auto ID Guide Specification
RFID Label
860-960 MHz EPC Class 1, Gen 2
SMARTRAC 1964 Belt iL Antenna**



Applicable Printer Models

SL4M/SL5000r MP2 Standard Pitch and SL4M Short Pitch

Disclaimer

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6/17/2016

Scope

This document provides guide specifications for constructing UHF Class 1, Gen 2, RFID labels with a SMARTRAC 1964 Belt iL RFID Gen2 Antenna for use with Printronix Auto ID RFID SL4M, SL5r MP2 Standard Pitch and SL4M Short Pitch printers.

Requirements

Inlay Characteristics

Inlay: **SMARTRAC 1964 Belt iL**

Silicon Type: **NXP G2iL or NXP G2iL+**

EPC Memory: **NXP G2iL = 128 bits NXP G2iL+ = 128 bits**

User Memory: **NXP G2iL = N/A NXP G2iL+ = N/A**

TID: **NXP G2iL = E2006805 or E2006806**

NXP G2iL+ = E2006807

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: **“S/Trac Belt iL”**

SL4M/SL5r MP2 Std Pitch RFID menu (Interim Tag Type: **“Raf 1938Belt iL”**).

SL4M Short Pitch RFID menu Tag Type: **“S/Trac Belt iL”**

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

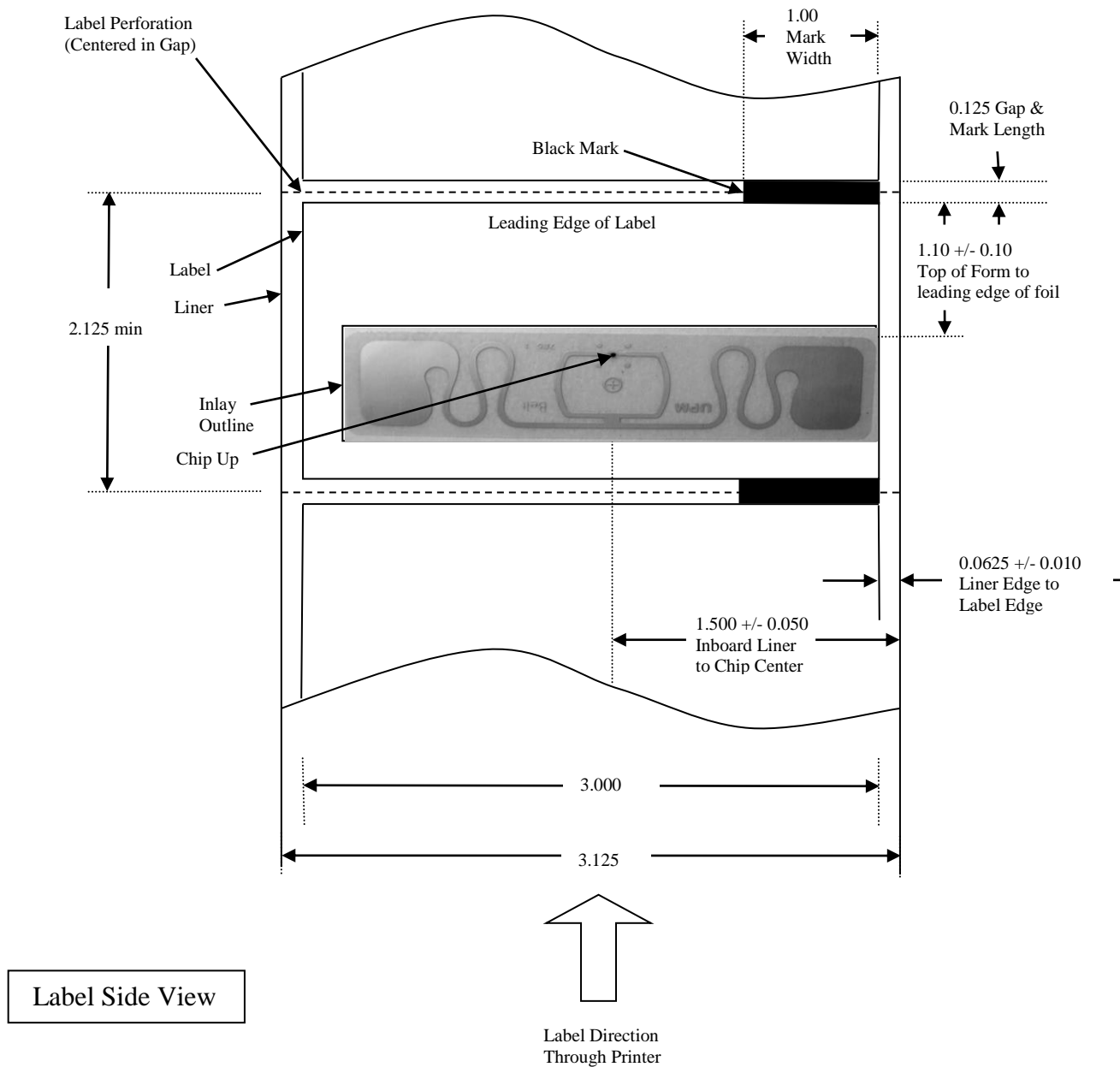
SL4M MP2 Std Pitch RFID menu Tag Position: **0.0 inches**

SL4M Short Pitch RFID menu Tag Position: **-0.1 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.

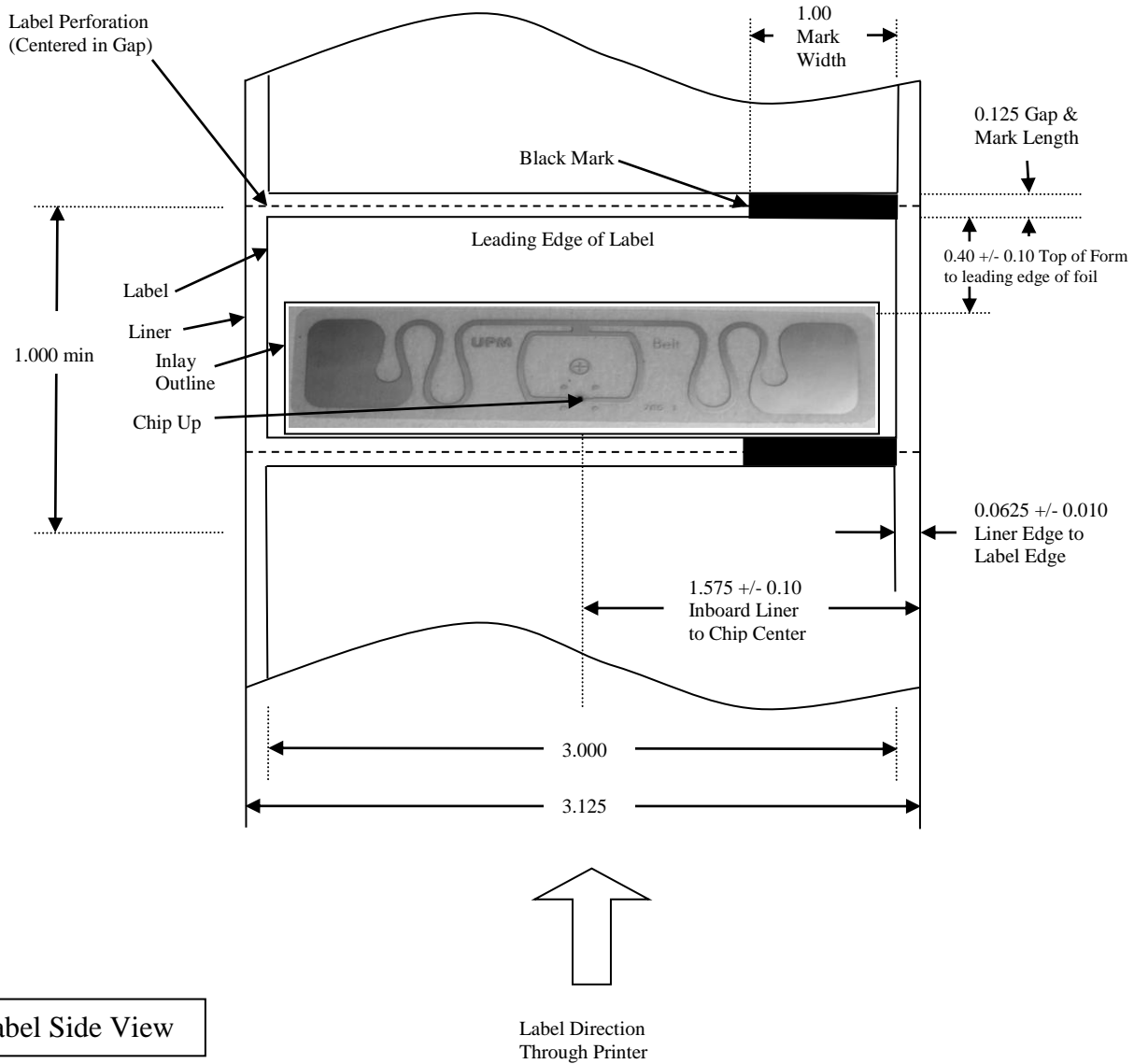


**Printronix Auto ID RFID Label Requirements for SL4M/SL5r MP2
 "Standard Pitch" Gen 2
 SMARTRAC 1964 Belt iL Inlay**

Not to Scale
 All Dimensions in Inches

Figure 1. Label Layout

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**Printronix Auto ID RFID Label Requirements for SL4M
 "Short Pitch" Gen 2
 SMARTRAC 1964 Belt iL Inlay**

Not to Scale
 All Dimensions in Inches

Figure 2. Label Layout

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