

**Printronix Auto ID Guide Specification
RFID Label
860-960 MHz EPC Class 1, Gen 2
SMARTRAC 1974 Short Antenna**



Applicable Printer Models

SL4M/SL5000r 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.

6/24/2016

Scope

This document provides guide specifications for constructing UHF Class 1, Gen 2, RFID labels with a SMARTRAC 1974 Short RFID Gen2 Antenna for use with Printronix Auto ID RFID SL4M, SL5000r MP2 Standard Pitch and SL4M Short Pitch printers.

Requirements

Inlay Characteristics

Inlay: **SMARTRAC 1974 Short.**

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 & SL4M Short Pitch Coupler Position: **Orange**

SL4M/SL5r MP2 Std Pitch RFID menu Tag Type: **“S/Trac Short M4”**

SL4M/SL5r MP2 Std Pitch RFID menu (Interim Tag Type: **“Raf 1974 Short”**).

SL4M Short Pitch RFID menu Tag Type: **“S/Trac Short M4”**

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

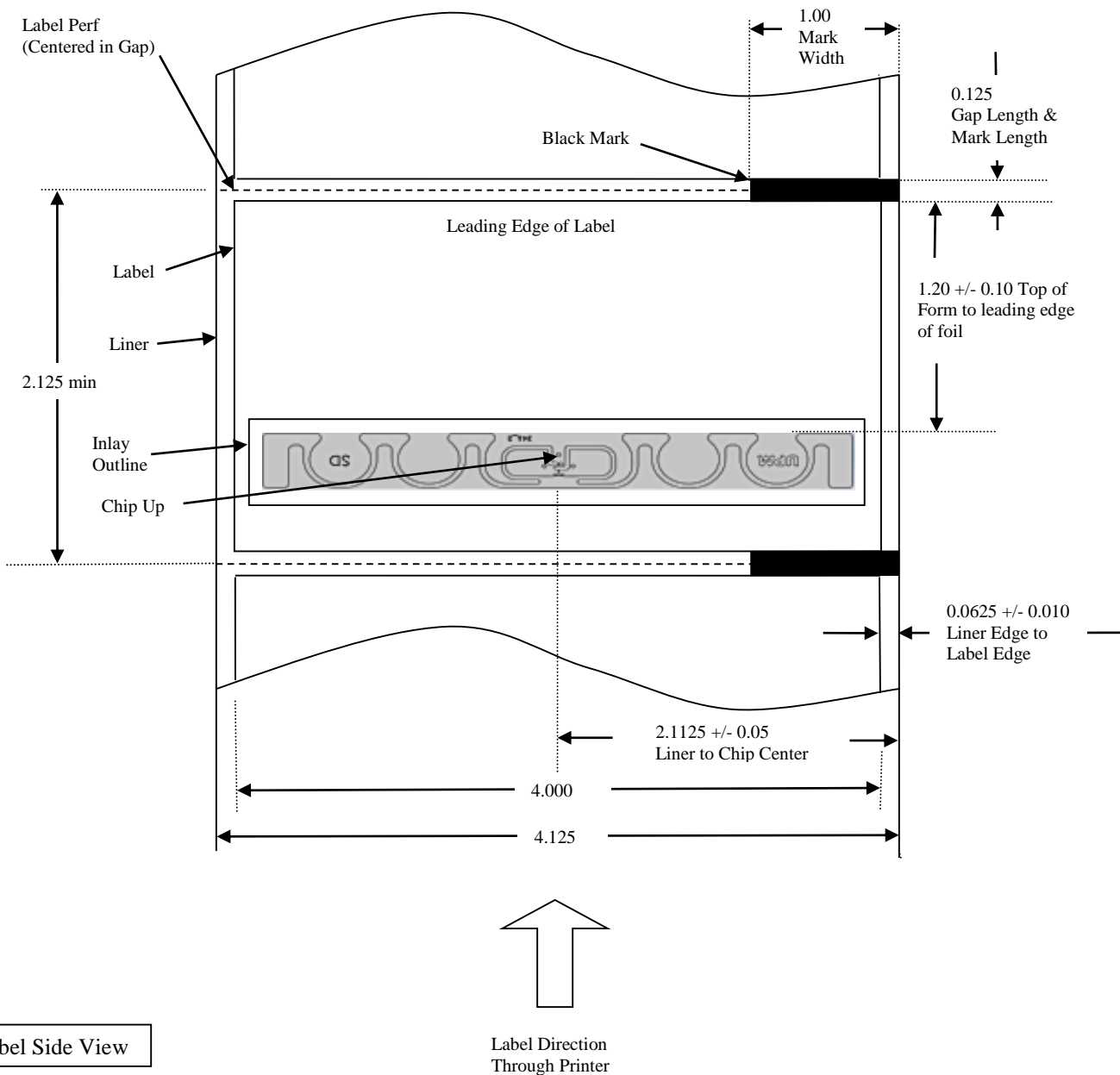
SL4M MP2 Std Pitch RFID menu Tag Position: **0.0 inches**

SL4M Short Pitch RFID menu Tag Position: **-0.4 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 or 657-258-0816.

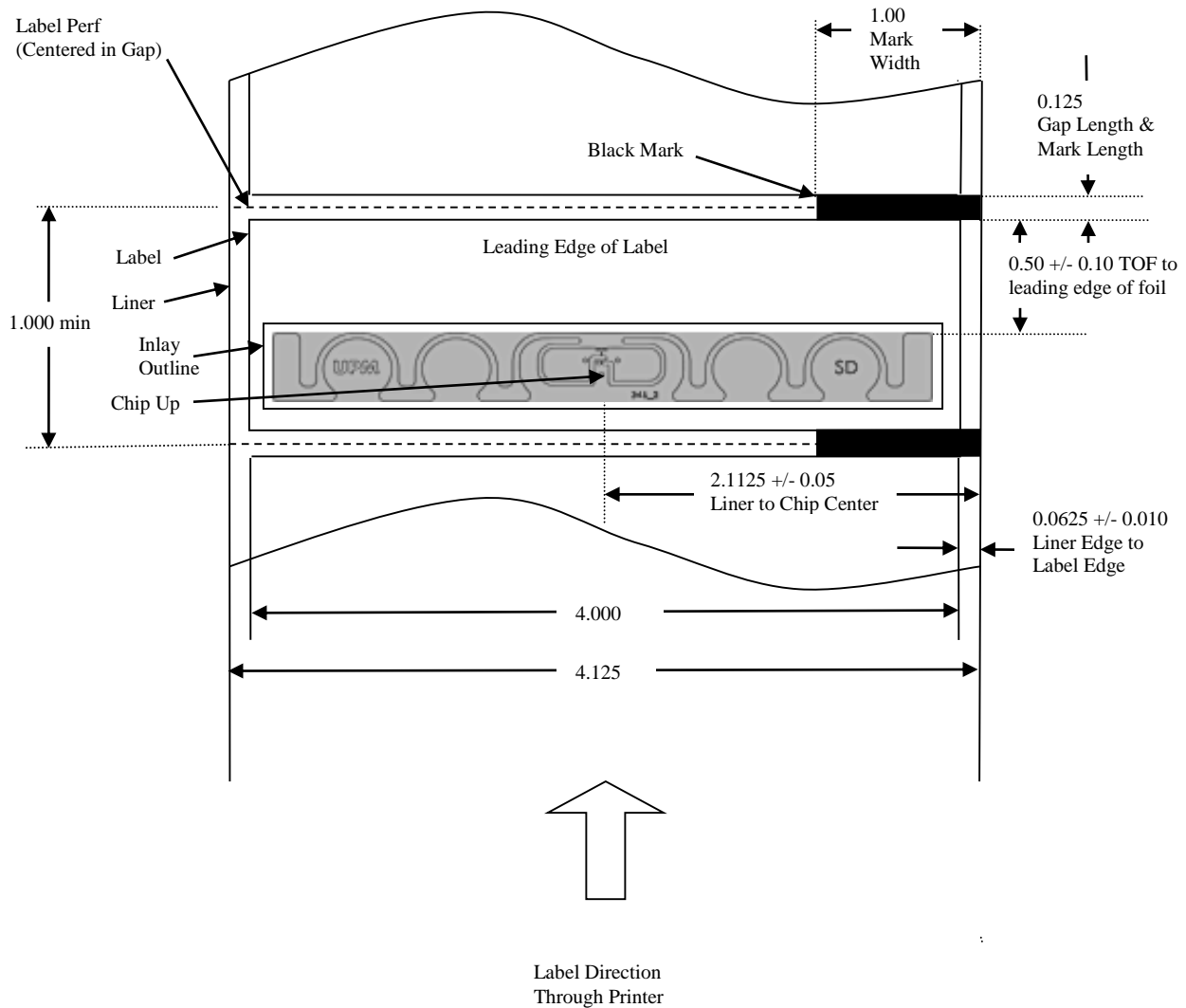


**Printronix Auto ID RFID Label Requirements for SL4M/SL5r
MP2 "Standard Pitch" Gen 2
SMARTRAC 1974 Short Inlay**

Not to Scale

June 24, 2016
Revision 1.0

Figure 1. Label Layout



**Printronix Auto ID RFID Label Requirements for SL4M “Short Pitch”
SMARTRAC 1974 Short Inlay**

Label Side View

Not to Scale
All Dimensions in Inches

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Revision 1.0

Figure 2. Label Layout