



4" x 2" | 4" x 6" RFID LABELS

FOR ZEBRA & SATO INDUSTRIAL RFID PRINTERS

These blank Vulcan RFID Paper Labels are manufactured to ensure optimum performance in Zebra and SATO Industrial RFID Printers.

These labels are specifically designed for customers that are in need of blank labels for "at home" printing. All labels are supplied with a top performing IC.

These labels support 3 inch core printing and are offered in a 4 x 2 inch and a 4 x 6 inch size. These labels meet EPCglobal Gen2 and ISO/IEC 18000-6C standards.

These labels are ideal for a variety of applications including but not limited to:

- Corrugated Cases
- Pallet Placard Labels
- Cardboard Boxes
- Asset Management





Specifications

ELECTRICAL	Operating Frequency:	Global (860-960 MHz)
	Air Interface Protocol:	UHF ISO-18000-6C, EPC Class 1, Gen 2
	IC Type:	Impinj M830
	Memory:	EPC 128 Bits, User 0 Bits, TID 96 Bits
	EPC Memory Content:	Unique, Auto-Serialized
	Max Read Distance:	Testing Recommended
	Applicable Surface Materials:	Wood, Plastic, Glass, Cardboard

MECHANICAL	Tag Form Factor:	Label Tag, Perforated
	Tag Materials:	Printable White Paper (Thermal Transfer)
	Recommended Ribbon:	Wax-Resin
	Attachment Method:	General Purpose Permanent Adhesive
	Dimensions:	101.6 x 50.8 mm (4 x 2 in) 101.6 x 152.4 mm (4 x 6 in)
	Weight:	1 g (0.002 lbs)
	Sensing Type:	Gap
	Core ID:	76.2 mm (3 in)
	Quantity Per Roll:	(4 x 2 in): 1,000 Labels (4 x 6 in): 500 Labels
	Repeat:	(4 x 2 in): 54 mm (2.125 in) (4 x 6 in): 155.6 mm (6.125 in)
	RFID Inlay Placement:	(4 x 2 in): 19.9 mm (0.783 in) (4 x 6 in): 22 mm (0.866 in)
	Print Tolerance:	± 1.6 mm (0.0625 in)
	Inlay Side to Side Tolerance:	± 1.5 mm (0.059 in)
	Inlay Tolerance:	± 3 mm (0.118 in)

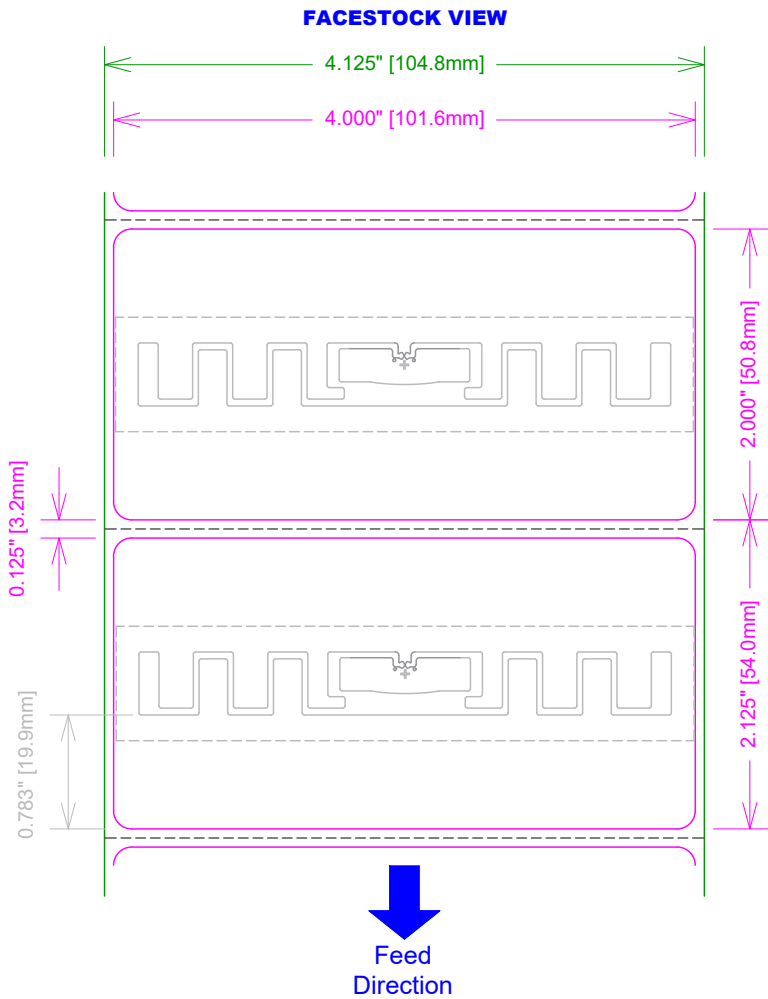
ENVIRONMENT	Operating Temperature:	-40° to +85°C (-40° to +185°F)



Diagrams

Layout and Dimensions (in)

Note: Drawing not to scale



+/- 0.0625" print tolerance
 GRAPHIC FOR PLACEMENT ONLY.
 NOT FOR PRINT PROOF APPROVAL.

Date: _____

- Die Cut (Pink)
- - - Perf (Black)
- Liner (Dark Green)
- Liner Slit (Light Blue)
- Inlay (Light Gray)
- Wet Inlay (Red)

Facestock Colors
 PMS: N/A

Back Colors
 PMS: N/A

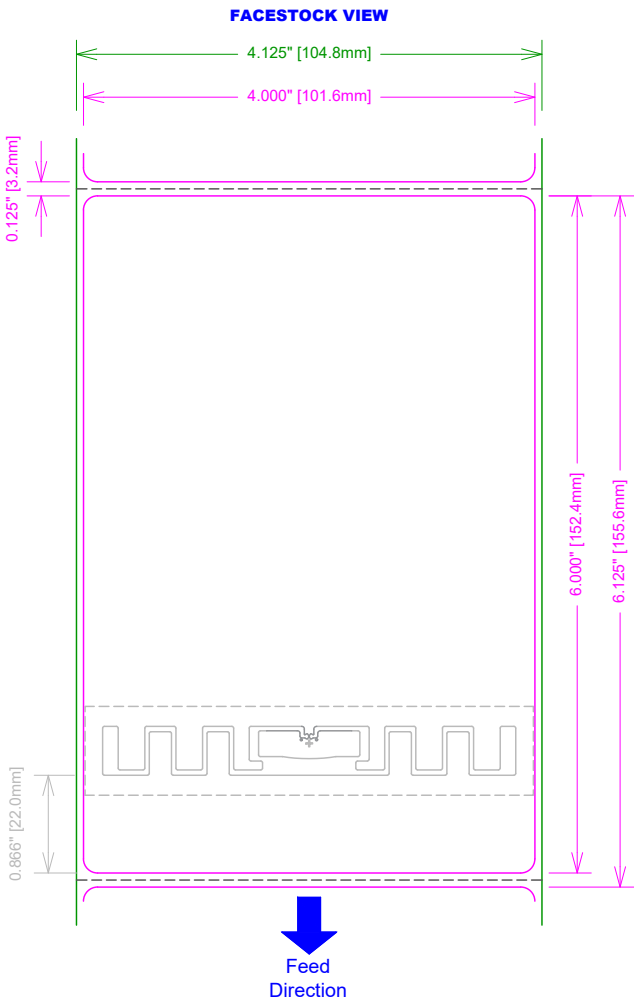
P/N: 4340042																															
General																															
Label Size: 4" x 2"																															
Construction: Label																															
Facestock: TT (4262717) w/																															
Bottom: GP (4281290)																															
Perf: Yes																															
Sensing Type: Gap																															
Repeat: 2.125"																															
RFID																															
Printer: R110xi3-xi4, ZT																															
Inlay: Impinj-M830																															
Part#: 4338732																															
Placement: 0.783" (19.9mm)																															
Inlay Side to Side tolerance = +/- 1.5mm																															
Inlay tolerance = +/- 3mm																															
Finishing																															
Core ID: 3"																															
Amount per Roll: 1,000																															
WIND DIRECTION																															
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<table border="1"> <thead> <tr> <th colspan="2">4x2_RZ-ZT_Impinj</th> <th>DRWN</th> <th>DATE</th> </tr> <tr> <th colspan="2">-M830_4340042</th> <th>or</th> <th>2/10/2025</th> </tr> <tr> <th>NO</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				4x2_RZ-ZT_Impinj		DRWN	DATE	-M830_4340042		or	2/10/2025	NO	REVISIONS	DATE	BY																
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Diagrams

Layout and Dimensions (in)

Note: Drawing not to scale

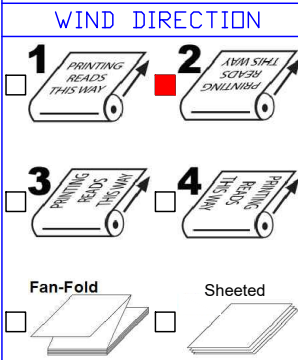


P/N: 4340044

General	
Label Size:	4" x 6"
Construction:	Label
Facestock:	TT paper (4262717)
Bottom:	GP Adhesive (4281290)
Perf:	Yes
Sensing Type:	Gap
Repeat:	6.125"

RFID	
Printer:	R110xi3-xi4, ZT
Inlay:	Impinj-M830
Part#:	4338732
Placement:	0.866" (22mm)
Inlay Side to Side tolerance:	+/- 1.5mm
Inlay tolerance:	+/- 3mm

Finishing	
Core ID:	3"
Amount per Roll:	500



+/- 0.0625" print tolerance
GRAPHIC FOR PLACEMENT ONLY.
NOT FOR PRINT PROOF APPROVAL.

Date: _____

	Die Cut (Pink)
	Perf (Black)
	Liner (Dark Green)
	Liner Slit (Light Blue)
	Inlay (Light Gray)
	Wet Inlay (Red)

Facestock Colors	
PMS:	N/A
Back Colors	
PMS:	N/A

4x6_RZ-ZT_Impinj		DRWN	DATE
-m830_4330044		AR	2/10/2025
NO	REVISIONS	DATE	BY
A	Removed 4283379 from facestock	3/12/25	AR



Accessories & Compatible Products

Vulcan RFID Read & Write Software



VUL-UHF-READ-WRITE-SOFTWARE

Vulcan RFID Iron USB Reader



VUL-USB-IRON-INTANT-ENC-US

Vulcan RFID Indium Handheld Reader



VUL-HH-INDIUM-IMG-US

Vulcan RFID Titanium UHF RFID Reader



VUL-TITANIUM-4PG

Vulcan RFID C610 Outdoor RFID Antenna



VUL-C610-FCC



About Vulcan RFID Products

Vulcan RFID offers a broad range of innovative RFID readers, antennas, custom RFID tags, and accessories suited for a wide variety of industries and applications. Designed to deliver superior accuracy and reliability, Vulcan RFID products offer exceptional flexibility and performance. Vulcan RFID delivers an extensive product portfolio that includes both UHF and NFC products that support a large variety of market solutions. Manufactured to withstand environments ranging from mild to extreme, Vulcan RFID products enable end-users to reach and sustain high levels of performance in the UHF or NFC frequency bands.



Vulcan RFID Readers

Vulcan RFID offers high-performance RFID readers that are easy to install, configure, and integrate.

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Vulcan RFID Antennas

Vulcan RFID offers an extensive collection of UHF RFID antennas designed to maximize the RF performance and coverage area of an RFID system.

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Vulcan RFID Tags & Inlays

Vulcan RFID offers a broad range of RFID labels, tags and inlays built to withstand environments ranging from mild to extreme.

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Vulcan RFID Accessories

Vulcan RFID provides a variety of high-quality accessories, RF hardware, and cables.

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