

Zebra® iMZ™ Series
Mobile Printer

**Receipt Paper
Design Guidelines**



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Design Guidelines

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Introduction

The Zebra iMZ Mobile Printer utilizes blank or pre-printed receipt paper. There are several guidelines to consider when designing the look and feel of your receipts.

Design Guidelines

The following guidelines will help avoid incomplete printing of text and graphics in iMZ mobile printers.

- Maintain a 1/16 in. (1.59 mm) margin from the outer edges of the paper.
- Maintain a 1/16 in. (1.59 mm) margin from the both ends of the black bar.
- Keep the area in line with the media/black bar sensor free of any dark colored pre-printed graphics. Cleaning the media/black bar sensor is recommended after every five rolls of paper (or more often, if needed). Use only a brush, air blow, or a clean swab dipped in 99.7% isopropyl alcohol.
- Use only Zebra brand supplies. For more detailed information on supplies, see [Paper Receipt Supplies on page 11](#).

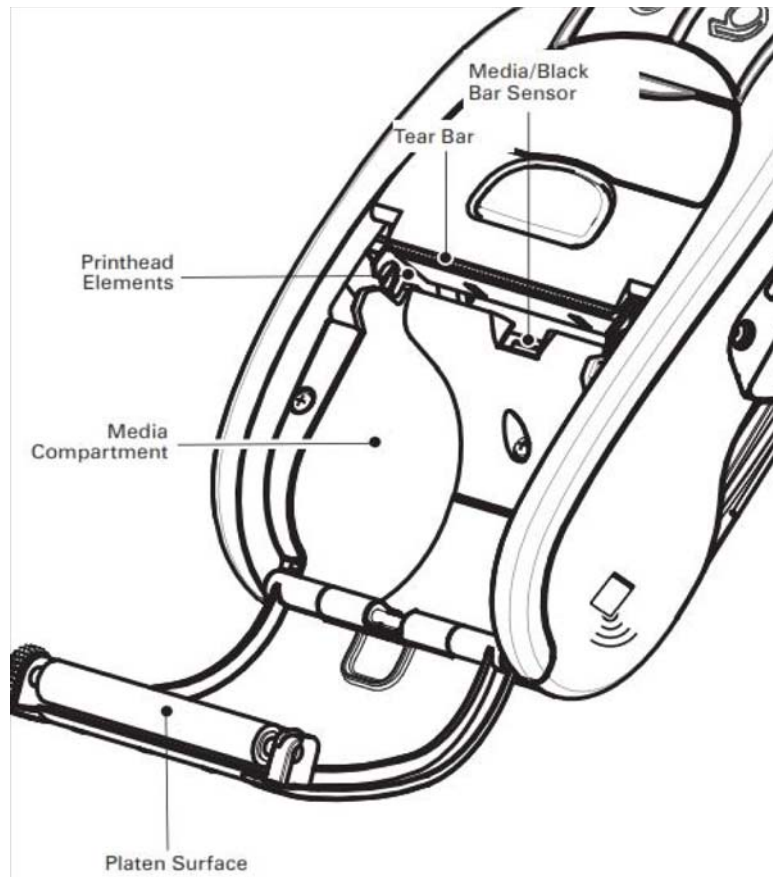
Media/Black Bar Sensor

The media/black bar sensor is located near the printhead in the media compartment. (See [Figure 1.](#)) The media/black bar sensor “sees” or senses the dark black bar pre-printed on the top side of the roll of paper to determine proper paper alignment and notify you of an “out of paper” condition.



Note • Receipt paper and paper used in printers are also referred to as “media”.

Figure 1 • Media/Black Bar Sensor Location

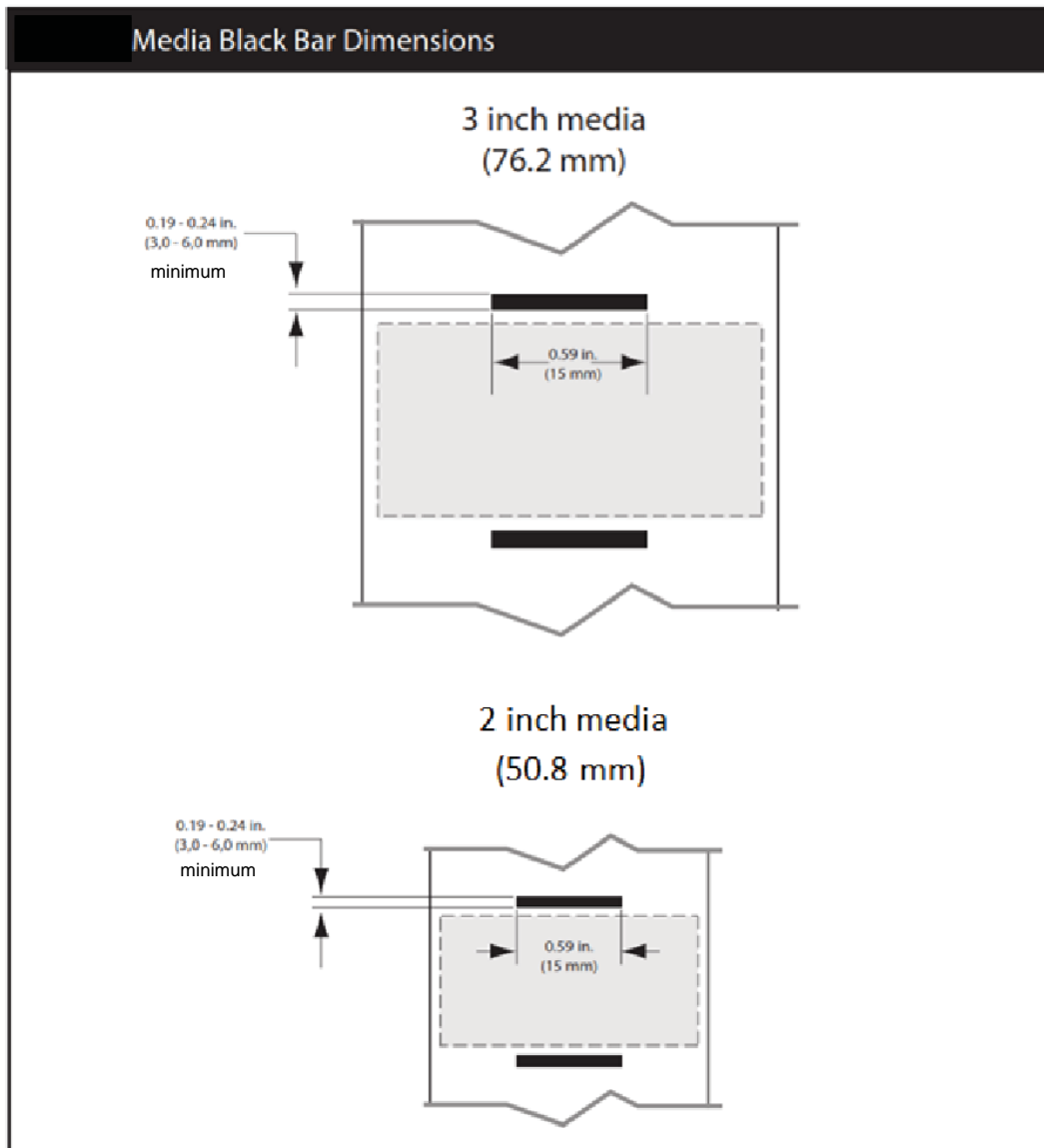


Black Mark Dimensions

The reflective media black marks (or black bar/marks) should extend past the centerline of the roll on the front side of the paper. See [Figure 2](#).

- Minimum mark width: 0.59 in. (15 mm) perpendicular to the edge of the media, and centered within the width of the roll.
- Mark length: 0.19 - 0.24 in. (3.0-6.0 mm) parallel to the edge of the media.

Figure 2 • Media Black Bar Dimensions



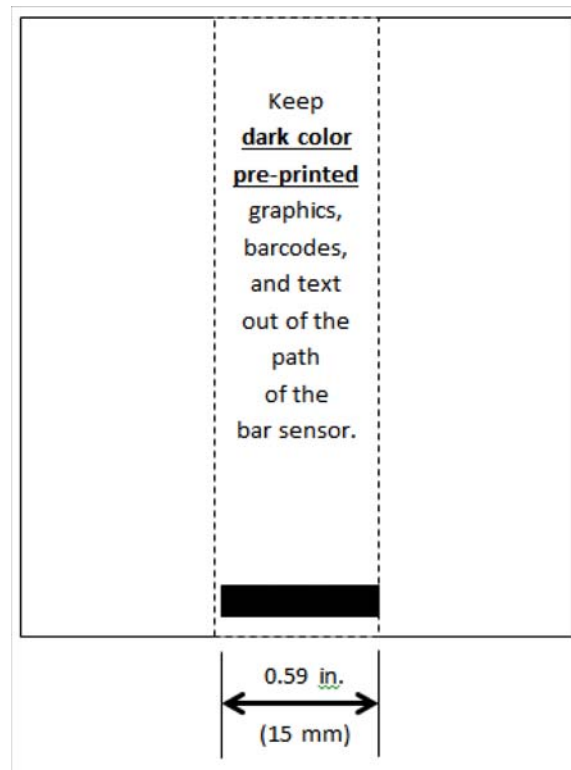
Label Areas

The media/black bar sensor detects the dark pre-printed bar on the media, so a path in the center of the paper must be kept free of *dark color, pre-printed graphics. See [Figure 3](#) below.



Note • Dark color, pre-printed graphics refer to any symbols, barcodes, text, and/or colored areas that have been applied to the receipt paper rolls before they have ever been used in the printer.

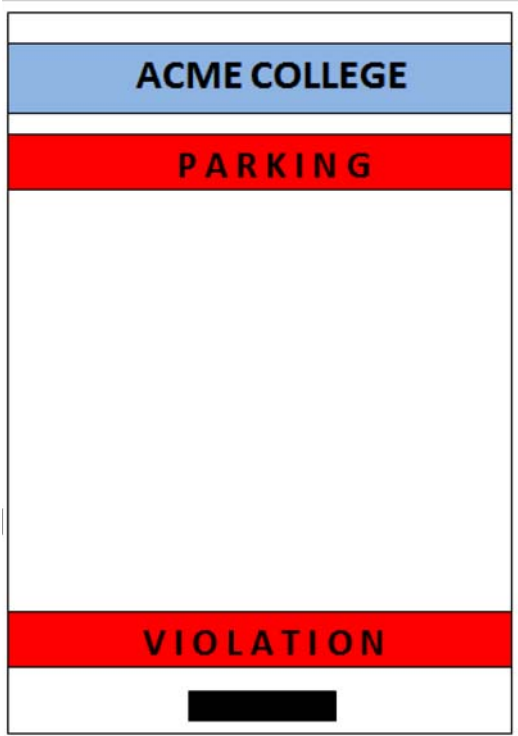
Figure 3 • Label Areas



Label Design Examples

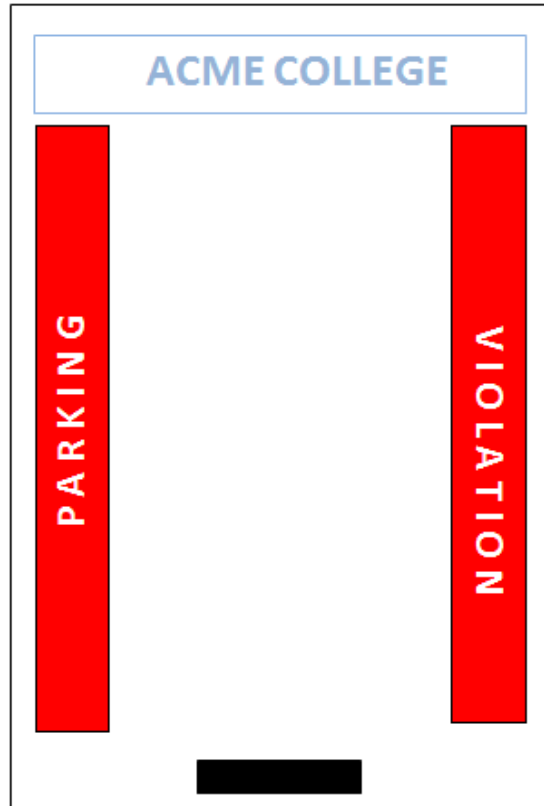
This section shows examples of labels with and without problems. See [Figure 4](#) and [Figure 5](#).

Figure 4 • Label Design Examples



PROBLEM LABEL DESIGN

The dark color, pre-printed text and graphics are in the path of the black bar at the bottom of the receipt.



GOOD LABEL DESIGN

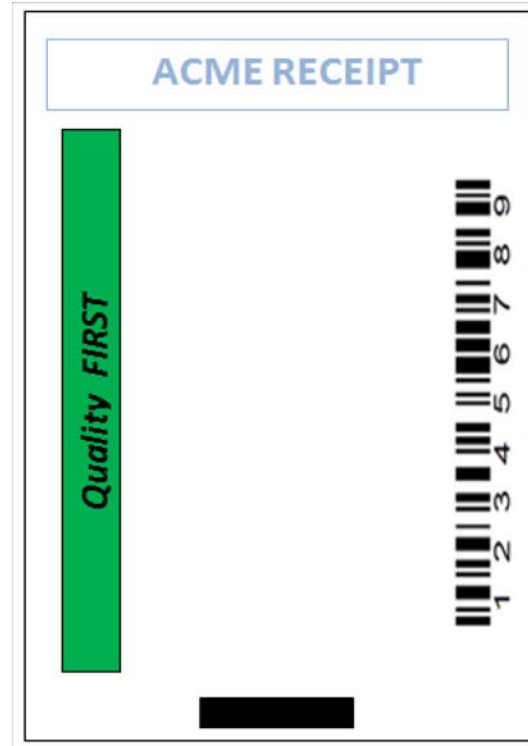
The center path to the black bar is free of dark color, pre-printed text and graphics.

Figure 5 • Label Design Examples



PROBLEM LABEL DESIGN

The dark color, pre-printed text and graphics are in the path of the black bar at the bottom of the receipt.



GOOD LABEL DESIGN

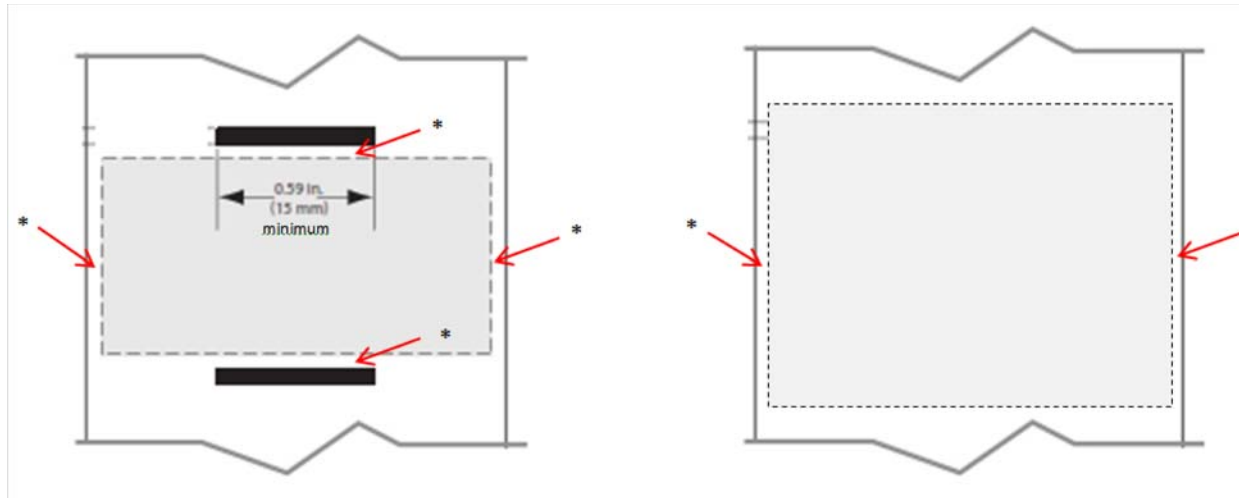
The center path to the black bar is free of dark color, pre-printed text and graphics.

Complete information on using pre-printed receipt paper can be found in the FORM command in the CPCL Programming Manual. The CPCL Programming Manual is available on the iMZ Product CD or on the Zebra web site at www.zebra.com/manuals.

Keep Out Areas

At times, incomplete printing of text and/or graphics appear because minimum margins are not provided during label design. The recommended minimum margins or “keep out areas” are shown in Figure 6.

Figure 6 • Keep Out Areas



Receipt Paper with Black Bars

* Maintain a minimum “keep out area” of 1/16 in. (1.59 mm) from the two outer edges of the paper roll and from the black bars.

Continuous Receipt Paper
(without Black Bars)

* Maintain a minimum “keep out area” of 1/16 in. (1.59 mm) from the two outer edges of the paper.



Note • The length of each “continuous” receipt is determined by the data sent.

Media Supplies and Support

Paper Receipt Supplies

To ensure maximum printer life and consistent print quality and performance for your individual application, it is recommended that only media produced by Zebra be used. Advantages include:

- Consistent quality and reliability of media products.
- Large range of stocked and standard formats.
- In-house custom format design service.
- Large productions capacity which services the needs of many large and small media consumers including major retail chains worldwide.

Table 1 • iMZ Series Media

| Z-Select 4000D 3.2 mil Receipt | | | | |
|---------------------------------------|---------------|------------------|---------------------|------------------|
| Width x Length | Part # | Length | Rolls/Carton | Wt/Carton |
| 2.00 in. (50.8 mm) x Continuous | 10011043 | 55 ft. (16.76 M) | 36 | 9 lbs. (4.1 kg) |
| 3.00 in. (76.2 mm) x Continuous | 10011044 | 55 ft. (16.76 M) | 36 | 13 lbs. (5.9 kg) |
| Z-Select 1000D 2.4 mil Receipt | | | | |
| Width x Length | Part # | Length | Rolls/Carton | Wt/Carton |
| 2.00 in. (50.8 mm) x Continuous | 10011041 | 80 ft. (24.39 M) | 36 | 9 lbs. (4.1 kg) |
| 3.00 in. (76.2 mm) x Continuous | 10011042 | 80 ft. (24.39 M) | 36 | 13 lbs. (5.9 kg) |

Media Support

For more information, call Zebra Technologies Corporation at +1.866.230.9495 (U.S., Canada, and Mexico) and ask to speak to a Media Sales representative.



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