



Package Description

MT9S311

Data Sheet Addendum

For more information, refer to the data sheet on Micron's Web site: www.micron.com/imaging.

Introduction

This document supplements Micron's MT9S311 data sheet (Revision A 6/07) with the electrical and mechanical package information. The standard data sheet should be referenced for a complete description of this 5Mp dual-camera image signal processor (ISP). The specifications contained in this addendum supersede the specifications listed in the referenced data sheet.

Addendum Changes

This addendum provides ordering information, package pinout information, and mechanical information for the MT9S311.

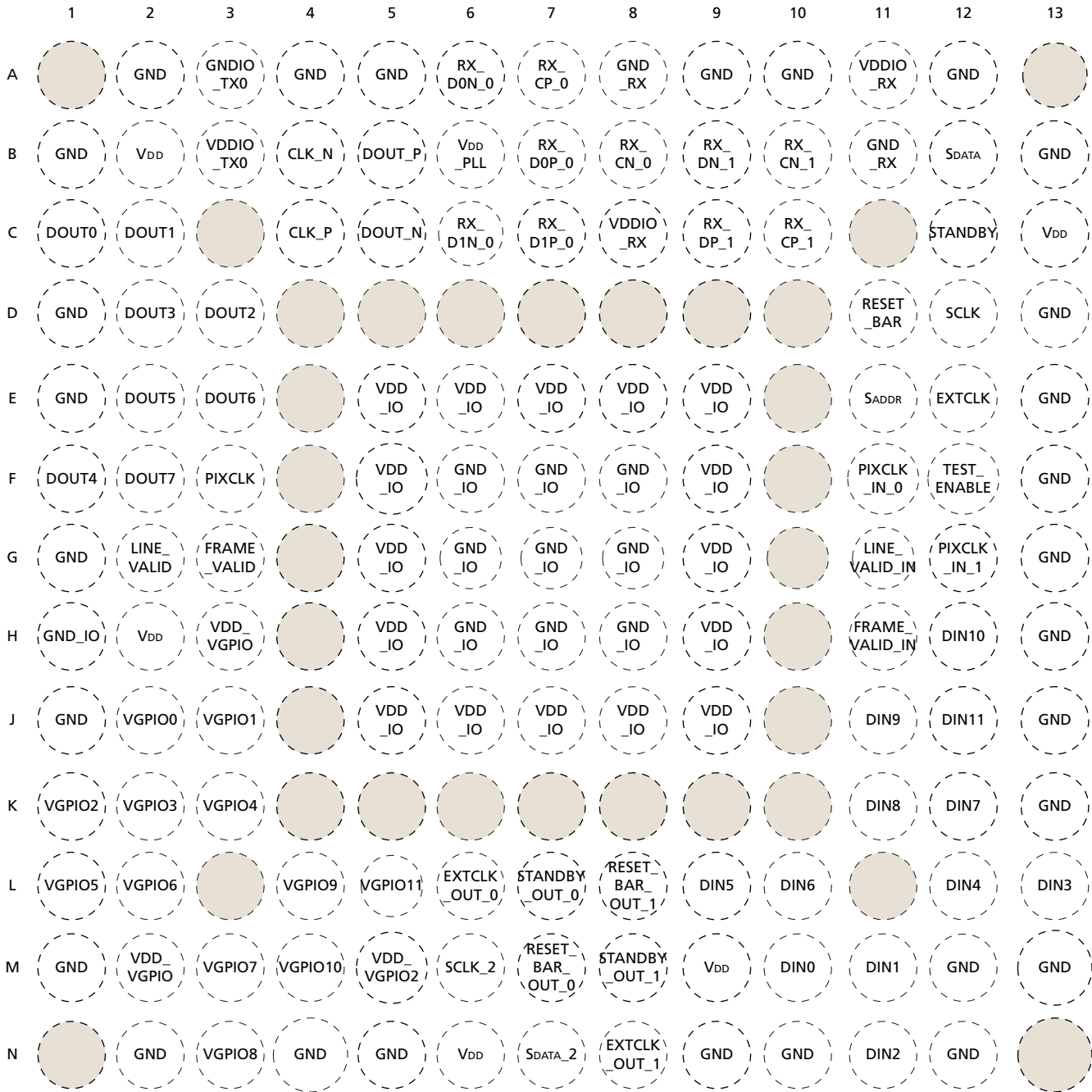
Table 1: Ordering Information

Part Number	Description
MT9S311PADSTL	137-ball VFBGA Package (7mm x 7mm x 1mm)



**MT9S311: Package Description
Addendum Changes**

Figure 1: 137-Ball Diagram



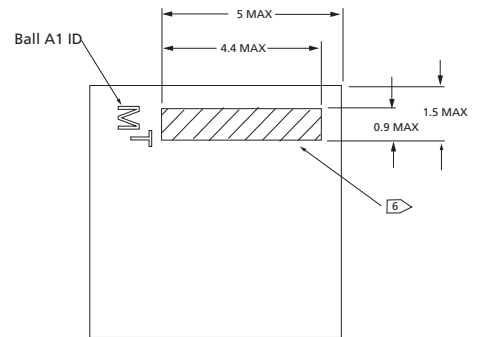
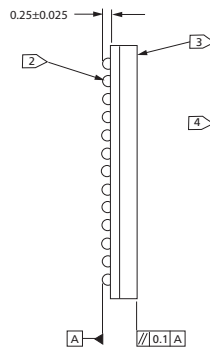
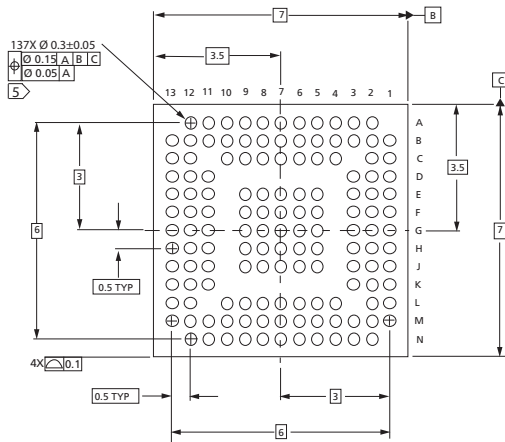
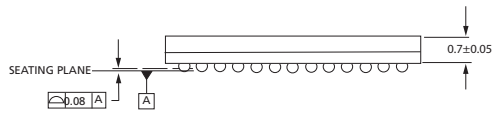
Top View

- Notes:
1. All unlabelled (shaded) balls are to be left unconnected.
 2. A8 and B11 are connected to both GNDIO_RX_0 and GNDIO_RX_1.
 3. A11 and C8 are connected to both VDDIO_RX_0 and VDDIO_RX_1.



MT9S311: Package Description Addendum Changes

Figure 2: 137-Ball Package Outline Drawing



NOTES:

- 1 Dimensions are in millimeters
- 2 Solder ball material: SAC305 (98.5% Sn, 1% Ag, 0.5% Cu).
- 3 Mold compound: Epoxy Novolac
- 4 Substrate material: Plastic laminate.
- 5 Dimensions apply to solder balls post reflow. Pre-flow balls are Ø0.3 on Ø0.25 SMD ball pads.
- 6 This area to be used for scribe mark.



8000 S. Federal Way, P.O. Box 6, Boise, ID 83707-0006, Tel: 208-368-3900

prodmktg@micron.com www.micron.com Customer Comment Line: 800-932-4992

Micron, the M logo, and the Micron logo are trademarks of Micron Technology, Inc. All other trademarks are the property of their respective owners.

Advance: This data sheet contains initial descriptions of products still under development.



MT9S311: Package Description Revision History

Revision History

Rev. A	9/6/2007
<ul style="list-style-type: none">• Initial release	