

1/2.5-Inch 5Mp CMOS Digital Image Sensor

MT9P014I12STC iLCC Package Addendum

For more information, refer to the data sheet on Aptina's Web site: www.aptna.com.

Introduction

This document supplements Aptina Imaging's MT9P014 data sheet (Revision C) with information relating to the iLCC package. The standard CMOS digital image sensor data sheet should be referenced for a complete description of this 1/2.5-inch 5Mp image sensor. The specifications contained in this addendum supersede the specifications listed in the referenced CMOS digital image sensor data sheet.

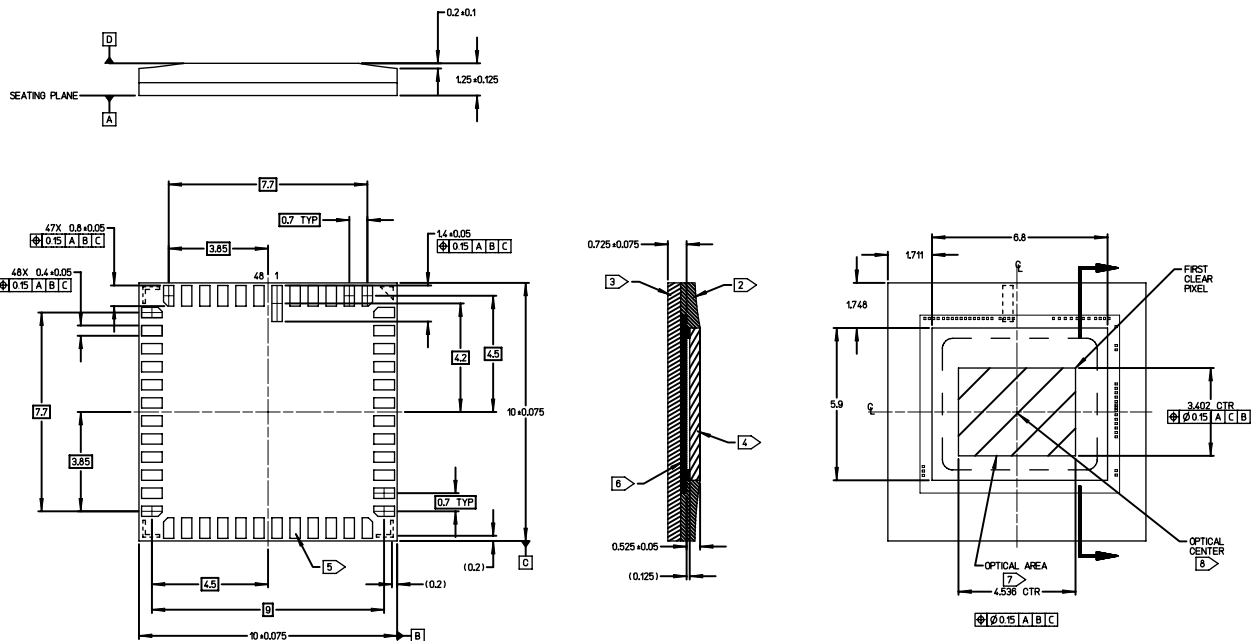
Addendum Changes

This addendum describes the new package option for the iLCC package.

Table 1: Additional Available Part Numbers

Part Number	Description
MT9P014I12STC	48-Pin iLCC

Figure 1: 48-Pin iLCC Package Outline Drawing

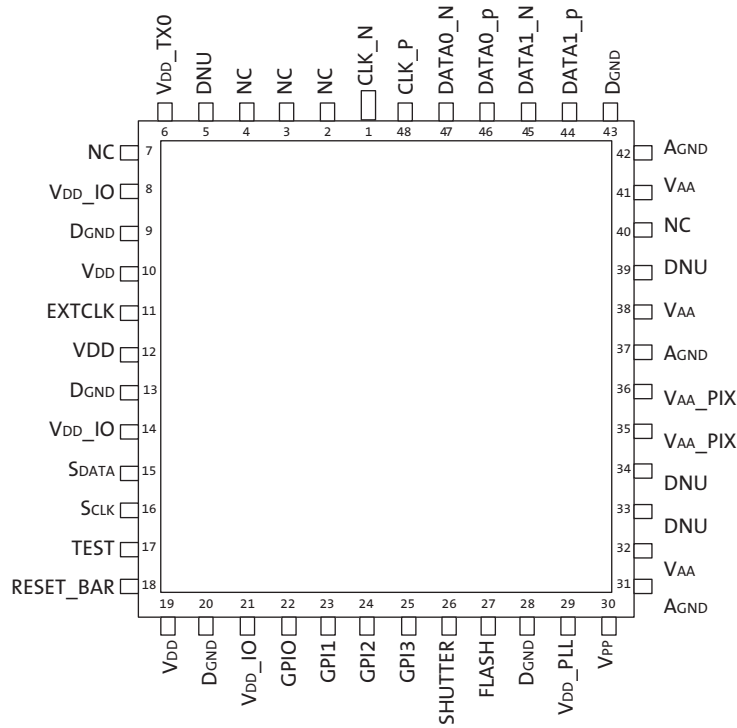


- Notes:
1. Dimensions are in millimeters
 2. Mold compound: Epoxy Novolac
 3. Substrate material: Plastic laminate 0.5 thickness



4. Lid material: Borosilicate glass 0.4 thickness
5. Lead finish: Gold plating, 0.5 microns minimum thickness
6. Image sensor Die: 0.2 thickness
7. Maximum rotation of optical area relative to package edges: 1°
Maximum tilt of optical area relative to seating plane A: 35 microns
Maximum tilt of optical area relative to top cover of glass D: 50 microns
8. Optical center and die center = Package center

Figure 2: Package Pinout



- Notes:
1. DNU = Do not use.
 2. NC = No connection.



Revision History

Rev. A	6/8/09
• Initial release	

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This data sheet contains minimum and maximum limits specified over the power supply and temperature range set forth herein. Although considered final, these specifications are subject to change, as further product development and data characterization sometimes occur.