



# SOM-LV Insertion and Extraction Procedure

## White Paper 482

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### Abstract

This white paper provides instructions for inserting and extracting a SOM-LV into and from its baseboard to minimize any flexing of the printed circuit board (PCB).

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### Revision History

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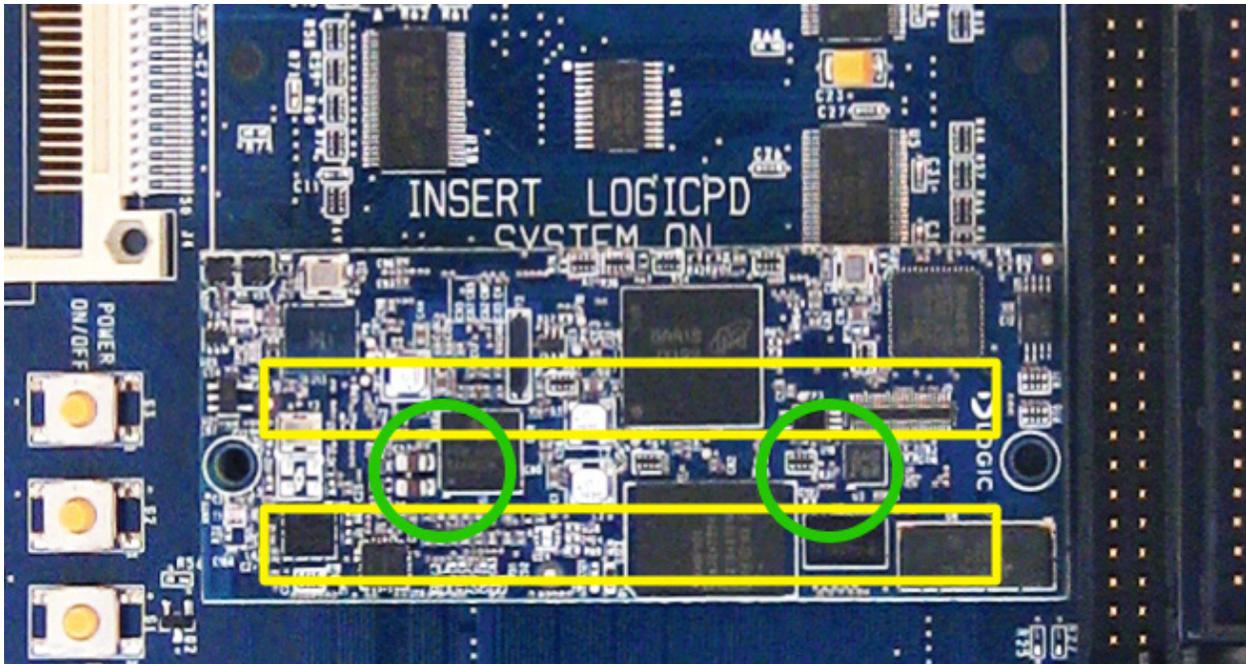
## 1 Introduction

This white paper will discuss how to insert and extract a SOM-LV into and from its baseboard. Proper insertion and extraction technique will limit the amount of stress placed on the PCB.

## 2 Insert SOM-LV into Baseboard

1. Align the SOM-LV over the two mating connectors on the baseboard. The yellow rectangles in Figure 2.1 and Figure 3.1 show the connector locations on the bottom of the SOM-LV.
2. Following the diagram in Figure 2.1, position your thumbs in the locations marked by the green circles. Using equal pressure, press straight down with your thumbs until the SOM-LV connectors mate completely with the baseboard connectors.

**IMPORTANT NOTE:** Do not apply pressure to the corners of the SOM-LV or press on one side first and then the other.



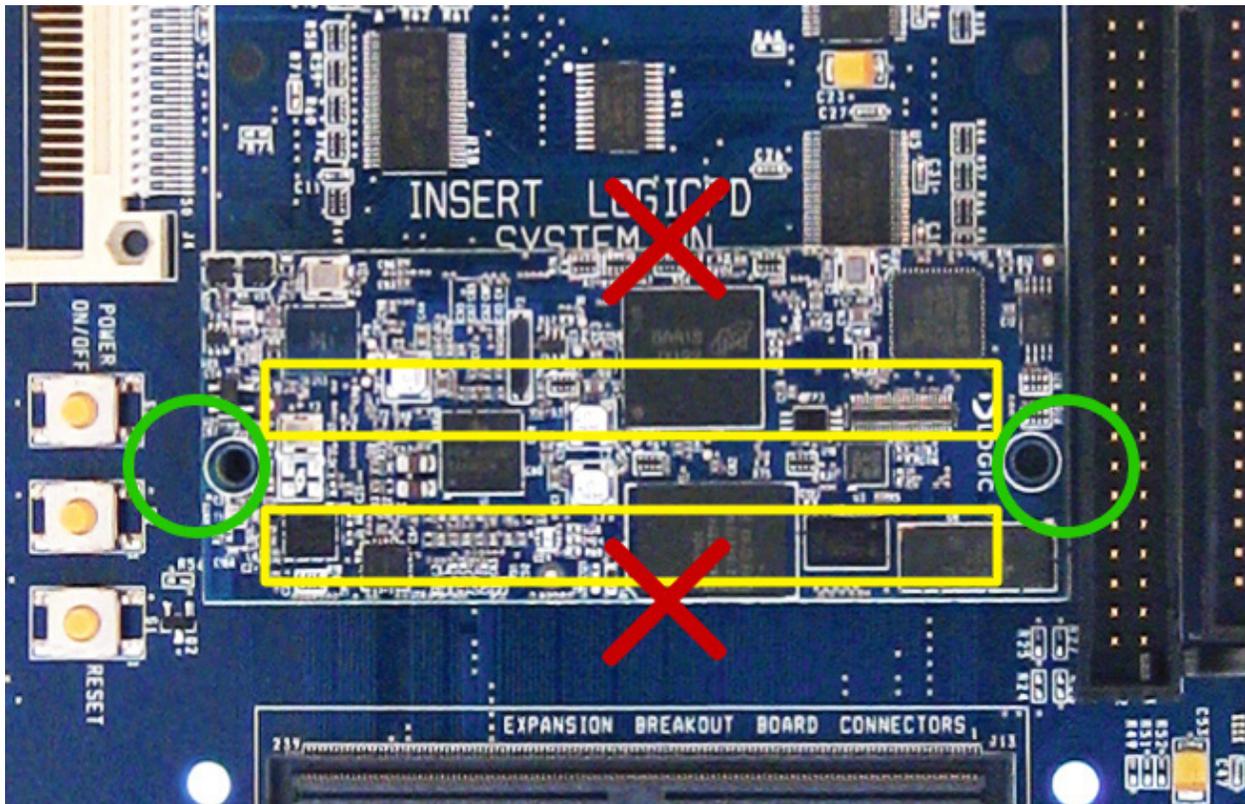
*Figure 2.1: Insertion Points*

### 3 Extract SOM-LV from Baseboard

1. Following the diagram in Figure 3.1, grasp the shorter sides of the SOM-LV in the locations marked by the green circles.

**IMPORTANT NOTE:** The red X's indicate the sides you **do not** want to grasp when removing the SOM-LV because it causes the SOM-LV to twist. Twisting of the SOM-LV results in excessive stress on the two mating connectors.

2. Using equal force on each side, pull up to remove the SOM-LV from the baseboard.



*Figure 3.1: Extraction Points*