

**A METHOD AND MEANS FOR MEASURING POSITIONS OF CONTACT
ELEMENTS OF AN ELECTRONIC COMPONENTS**

ABSTRACT

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A method and means for measuring positions of contact elements (2, 3) of an electronic components that utilizes scaling factors in x, y and z dimensions is disclosed herein. The scaling factors are determined during calibration procedures which also establishes the camera-to-camera relationship of the system. The calibration maps
10 image point recorded in the first camera (4) for each point of the contact element to corresponding image point recorded in the second and third camera (5, 6) as part of the process to obtain the displacement between a first image point and a second image point to determine the height difference between different contact elements.

15 *The Most Illustrative Drawing: Figure 1*



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