

ABSTRACT OF THE DISCLOSURE**METHOD OF PRODUCING A CONTACT STRUCTURE**

A method of producing a contact structure for achieving an electrical connection with a contact target. The contact structure includes a contactor formed on a planar surface of a substrate by a microfabrication technology. In one aspect, the production method involves a plastic molding technology. In another aspect, the production method involves a photolithography technology using a gray-tone photomask. The contactor has at least a horizontal portion formed on the substrate and a contact portion formed on one end of the horizontal portion. A spring force of the horizontal portion of the contactor provides a contact force when the contactor is pressed against the contact target. In a further aspect, the contact structure includes a recess for providing a free space for the contactor when the contactor is pressed against the contact target.

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