METHOD FOR JOINING AN INTEGRATED CIRCUIT AND A FLEXIBLE CIRCUIT

ABSTRACT OF THE DISCLOSURE

A method for attaching an integrated circuit to a flexible circuit which includes the acts of providing an integrated circuit having a plurality of contact pads formed upon a surface thereof; providing a flexible circuit possessing a plurality of contact bumps formed integral to a surface area; and attaching the integrated circuit to the flexible circuit by fusing at least some of the contact bumps of the flexible circuit to at least some of the contact pads of the integrated circuit. The contact bumps have a shape which mitigates local stress buildup within the contact bumps after attachment of the contact bumps to the contact pads, so as to enhance the reliability of the electrical connection.

Fig. 2