

ABSTRACT OF THE DISCLOSURE

METHOD OF MOUNTING CONDENSER MICROPHONE ON 5 **MAIN PCB AND CONDENSER MICROPHONE ADAPTED FOR** **THE SAME**

10 A condenser microphone and a method of mounting a condenser microphone
on a main PCB are provided. The method includes the steps of: assembling the
condenser microphone by assembling elements of the condenser microphone such that a
vibration plate including a couple of a diaphragm and a backplate is directed toward an
opened surface of a casing of the condenser microphone, the casing having a closed
bottom surface and an opened surface opposite to the closed bottom surface, mounting a
15 PCB having a sound hole on the casing and curling the opened surface of the casing
such that a connecting terminal of the PCB is protruded compared to a curled surface;
positioning the assembled condenser microphone on a main PCB such that the sound
hole of the PCB of the condenser microphone is in accordance with a through hole
formed in the main PCB; and soldering the connecting terminal of the condenser
20 microphone to a land of the main PCB. According to the present invention, if
necessary, the main PCB can be mounted such that its elements surface is directed
toward an inside of an electronic product, thereby maintaining good sound quality
thanks to a short delivery path of sound wave.

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(Please note that Figure 2B should accompany the abstract when published)