CLAIMS

[Claim 1] An inkjet head comprising:

a pressure chamber-forming plate in which a plurality of pressure chambers each communicating with a nozzle are formed in a first direction;

a vibration plate that defines one surface of each pressure chamber and allows for deformation of a defining region thereof;

a piezoelectric element formed by stacking a first electrode layer, a piezoelectric layer, and a second electrode layer in a region corresponding to the pressure chamber in an order from a surface of the vibration plate, which is opposite to the pressure chamber;

a circuit board that is arranged at an interval from the vibration plate, with a plurality of bump electrodes interposed therebetween, and outputs a signal for driving the piezoelectric element; and

an adhesive agent that bonds the pressure chamber-forming plate and the circuit board, wherein an element end on at least one side of the piezoelectric element is formed outside of the defining region and covered by the adhesive agent in a second direction orthogonal to the first direction, and

the bump electrode is electrically connected with the first electrode layer on the piezoelectric layer formed in a region outside of the defining region.

[Claim 2] The inkjet head according to claim 1, wherein the bump electrode is electrically connected with the first electrode layer and the second electrode layer on the piezoelectric layer formed in a region outside of the defining region.

[Claim 3] The inkjet head according to claim 1 or 2, wherein the adhesive agent is formed to extend from the element end to a position overlapping an end of the defining region in the second direction, which is closer to the element end.

[Claim 4] The inkjet head according to any one of claims 1 to 3, wherein the bump electrode includes elastic resin, and a conductive film covering a surface of the resin.

[Claim 5] The inkjet head according to any one of claims 1 to 4, wherein the bump electrode is electrically connected with at least one of the first electrode layer and the second electrode layer on the piezoelectric layer formed in a region outside of the defining region.

[Claim 6] The inkjet head according to any one of claims 1 to 5, wherein the adhesive agent is photosensitive.

[Claim 7] An inkjet printer comprising the inkjet head according to any one of claims 1 to 6.