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;

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; and

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, wherein

the first electrode layer is formed independently for each piezoelectric element,

the second electrode layer is formed continuously across the plurality of piezoelectric elements,

the bump electrode includes an individual bump electrode and a common bump electrode,

the individual bump electrode is electrically connected with the first electrode layer in a region outside of the defining region on the piezoelectric layer, and

the common bump electrode is electrically connected with the second electrode layer in the region outside of the defining region on the piezoelectric layer.

[Claim 2] An inkjet head comprising:

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

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; and

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, wherein

the first electrode layer is formed independently for each piezoelectric element,

the second electrode layer is formed continuously across the plurality of piezoelectric elements,

the bump electrode includes an individual bump electrode and a common bump electrode,

the individual bump electrode is electrically connected with the first electrode layer in a region outside of the defining region,

the common bump electrode is electrically connected with the second electrode layer in the region outside of the defining region, and

the pressure chamber-forming plate and the circuit board are bonded to each other by a photosensitive adhesive agent.

[Claim 3] The inkjet head according to claim 1 or 2, wherein

the bump electrode includes elastic resin, and a conductive film covering a surface of the resin.

[Claim 4] An inkjet printer comprising the inkjet head according to any one of claims 1 to 3.