Claims

[Claim 1]

An electric contact comprising:

a first layer into which Sn melts and diffuses upon application of heat; and

a second layer formed on the outer side of the first layer and lower in the rate at which Sn melts and diffuses upon application of heat than the first layer,

wherein the first layer is a Pd layer or a Pd alloy layer, and

the second layer is an Ag alloy layer containing Au, Cu or Sn in addition to Ag, the weight ratio of the Au, Cu, or Sn is lower than that of the Ag.

[Claim 2]

An electric contact comprising:

a first layer into which Sn melts and diffuses upon application of heat; and

a second layer formed on the outer side of the first layer and lower in the rate at which Sn melts and diffuses upon application of heat than the first layer,

wherein the first layer is a Pd alloy layer containing Au, Cu or Sn in addition to Pd, the weight ratio of Au, Cu or Sn is lower than the Pd, and

the second layer is an Ag layer or an Ag alloy layer.

[Claim 3]

An electric contact comprising:

a first layer into which Sn melts and diffuses upon application of heat; and

a second layer formed on the outer side of the first layer and lower in the rate at which Sn melts and diffuses upon application of heat than the first layer,

wherein the first layer is a Pd alloy layer containing Ag, Au, Cu or Sn in addition to Pd, the weight ratio of Ag, Au, Cu or Sn is lower than the Pd, and

the second layer is an Ag alloy plated layer containing Au, Cu, Pd or Sn in addition to Ag, the weight ratio of the Au, Cu, Pd or Sn is lower than that of the Ag.

[Claim 4~~2~~]

The electric contact according to any one of claims 1 to 3, further comprising a base material having electrical conductivity and a foundation layer formed on the outer side of the base material and composed primarily of Ni, wherein the first layer is formed on the outer side of the foundation layer, and the second layer is formed on the outer side of the first layer.

[Claim 5~~3~~]

The electric contact according to any one of claims 1 to 3, comprising a base material serving as the first layer, wherein the second layer is formed on the outer side of the base material.

~~[Claim 4]~~

~~The electric contact according to any one of claims 1 to 3, wherein the second layer is an Ag layer or an Ag~~

~~alloy layer.~~

~~[Claim 5]~~

~~The electric contact according to any one of claims 1 to 3, wherein the second layer is;~~

~~an Ag plated layer, or~~

~~an Ag alloy plated layer containing Au, Cu, Pd or Sn in addition to Ag, the weight ratio of the Au, Cu, Pd or Sn is lower than that of the Ag.~~

~~[Claim 6]~~

~~The electric contact according to any one of claims 1 to 3, wherein the first layer is a Pd layer or a Pd alloy layer.~~

~~[Claim 7]~~

~~The electric contact according to any one of claims 1 to 3, wherein the first layer is;~~

~~a Pd plated layer, or~~

~~an Pd alloy plated layer containing Ag, Au, Cu or Sn in addition to Pd, the weight ratio of Ag, Au, Cu or Sn is lower than the Pd.~~

~~[Claim 8]~~

~~The electric contact according to any one of claims 1 to 3, wherein the first layer is a Pd layer having a thickness of 0.1 μm or greater but no greater than 5 μm, and the second layer is an Ag layer having a thickness of 0.1 μm or greater but no greater than 20 μm.~~

[Claim 6~~9~~]

A socket for electric parts, comprising:

a socket body;

a housing portion in which an electric part provided with an Sn-containing terminal is housed; and

an electric contact according to any one of claims 1 to 5, that is disposed in the socket body and placed in contact with the terminal~~,~~

~~wherein a first layer into which Sn melts and diffuses upon application of heat and a second layer lower in the rate at which Sn melts and diffuses upon application of heat than the first layer are formed on a surface of the electric contact~~.