

CONDUCTIVE CONNECTION SHEET, METHOD FOR CONNECTING
TERMINALS, METHOD FOR FORMING CONNECTION TERMINAL,
SEMICONDUCTOR DEVICE, AND ELECTRONIC DEVICE

ABSTRACT

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A conductive connecting sheet (1) of the present invention is composed of a layered body including resin composition layers (11, 13) and a metal layer (12), and each resin composition layer (11, 13) satisfies the
10 following requirement A: in the case where at least a part of metal ball(s) made of the metal material having low melting point is provided within each resin composition layer (11, 13), the metal ball(s) is heated at a temperature which is a melting temperature thereof or
15 higher according to "test methods for soldering resin type fluxes" defined in JIS Z 3197, and then a wet extension of the metal ball(s) is measured, the wet extension is 37% or more. If the conductive connecting sheet is used for forming connection portions electrically connecting
20 terminals to each other, the connection portions can be formed by selectively aggregating a heated and melted metal material between the terminals and a sealing layer constituted from a resin component can be formed so as to surround the connection portions. As a result, since
25 peripheries of the connection portions can be covered by the resin component, the connection portions are fixed. Further, since an insulating property between the adjacent terminals can be secured by the sealing layer, generation of a leak current between the adjacent terminals can be
30 reliably prevented.

Figure 2 accompanies the abstract.