METHOD FOR PRODUCING JOINED BODY, AND JOINING MATERIAL

ABSTRACT

Provided is a method for producing a joined body, the method including a first step of preparing a laminated body which includes a first member having a metal pillar provided on a surface thereof, a second member having an electrode pad provided on a surface thereof and being disposed with the metal pillar and the electrode pad facing each other, and a joining material provided between the metal pillar and the electrode pad and containing metal particles and an organic compound, and a second step of heating the laminated body to sinter the joining material at a predetermined sintering temperature, in which the joining material satisfies the condition of the following Formula (I):

$$(M_1 - M_2)/M_1 \times 100 \geq 1.0 \qquad (I)$$

[in Formula (I), M_1 represents a mass of the joining material when a temperature of the joining material reaches the sintering temperature in the second step, and M_2 represents a non-volatile content in the joining material.]

Figure 1a