ABSTRACT

CERAMIC, PROBE GUIDING MEMBER, PROBE CARD, AND SOCKET FOR PACKAGE INSPECTION

A ceramic according to the present invention includes, in mass %, BN: 20.0 to 55.0%, SiC: 5.0 to 40.0%, ZrO_2 and/or Si_3N_4: 3.0 to 60.0%. The ceramic has a coefficient of thermal expansion at -50 to 500°C of 1.0×10^{-6} to 5.0×10^{-6} /°C, is excellent in low electrostatic properties (10^6 to 10^{14} Ω·cm in volume resistivity) and free-machining properties, and is thus suitable to be used for, for example, a probe guiding member for guiding probes of a probe card, and a socket for package inspection.

FIGURE 1