

ABSTRACT

Disclosed herein are a connector for measurement of electric resistance and a connector device for measurement of electric resistance, by which necessary electrical connection can be surely achieved even when a circuit board to be inspected is large in area and has a great number of small-sized electrodes to be inspected, and expected measurement of electric resistance can be surely performed with high precision, a production process of the connector device for measurement of electric resistance, and a measuring apparatus and a measuring method of electric resistance for circuit boards.

The connector for measurement of electric resistance according to the present invention comprises an insulating substrate and plural sets of connecting electrodes arranged on a front surface of the insulating substrate in accordance with a pattern corresponding to a pattern of a plurality of electrodes to be inspected in a circuit board to be inspected, the electric resistance of which should be measured. Each of the sets of connecting electrodes is composed of at least 3 electrodes of electrode(s) for current supply and electrode(s) for voltage measurement arranged in a state separated from one another, at least one of these electrodes is an electrode for current supply, and at least one thereof is an electrode for voltage measurement.