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ABSTRACT

Disclosed herein are a connector for measurement of electric resistance, by which an electric resistance-measuring apparatus capable of surely performing expected measurement of electric resistance with high precision even to a circuit board having small-sized, protruding electrodes to be inspected, a scatter of projected heights of said electrodes being great, and easy to produce can be constructed, and electric resistance-measuring apparatus using this connector and method of measurement.

The connector has a composite electrode sheet having an insulating sheet body in which through-holes have been formed corresponding to electrodes to be inspected, movable electrodes supported movably in a thickness-wise direction within the through-holes, and stationary electrodes each formed in the vicinity of openings of the through-holes on a front surface of the insulating sheet body in a state coming into no contact with the movable electrodes, front-side and back-side anisotropically conductive elastomer layers respectively laminated on the front surface and back surface of the composite electrode sheet, and an external leading terminal electrically connected to the stationary electrodes. The movable and stationary electrodes are electrically connected at the same time to corresponding electrodes to be inspected through the front-side anisotropically conductive elastomer layer.