APPARATUS FOR PROVIDING CONTROLLED IMPEDANCE IN AN ELECTRICAL CONTACT

ABSTRACT OF THE DISCLOSURE

An apparatus for providing a controlled impedance directly to predetermined contact elements within a socket, thereby reducing the "distorting" nature of the electrical interconnection system. In an illustrative embodiment of the present invention, predetermined contacts of a socket may have a resistance, inductance, capacitance, or a combination thereof incorporated therein. In another illustrative embodiment, at least one active element(s) may also be incorporated into predefined contacts. In this manner, predefined contacts may "process" the corresponding signal in a predetermined manner, defined by the circuitry incorporated on the contact itself. Illustrative functions that may be performed include, but are not limited to, amplifying, analog-to-digital converting, digital-to-analog converting, predefined logic functions, or any other function that may be performed via a combination of active and/or passive elements including a microprocessor function.

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