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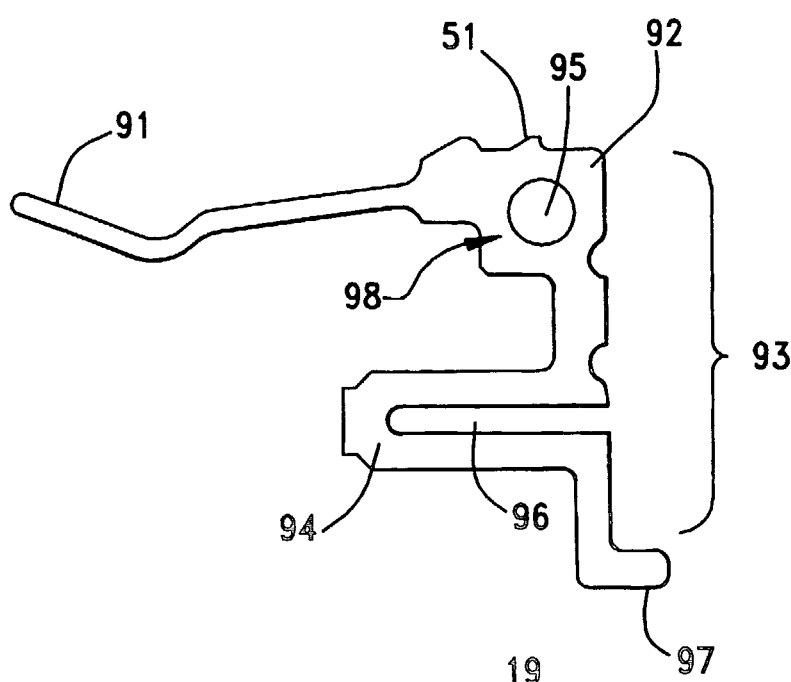
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(54) Title: **EDGE CARD CONNECTOR ASSEMBLY WITH TUNED IMPEDANCE TERMINALS**



(57) **Abstract:** A surface mount connector has a dielectric housing with first and second opposing mating faces. The first mating face includes first terminals and the second mating face includes second terminals. The first and second terminals each have a tail portion, a contact portion and a terminal retention portion. The terminal retention portion engages the connector housing, and an opening, or hole, is formed in the retention section of the terminal. This opening is sized to keep sufficient metal remaining to retain the terminal in the housing, yet having sufficient surface area to provide a desired capacitance and/or inductance for tuning the impedance of the terminal to the preselected level, the second terminals each having a second terminal retention section with a central portion removed thereof, the removed central portion being spaced away from the first terminal retention area, while minimizing the surface area, size and shape of the central section for tuning the

impedance of the terminal to a preselected range.



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