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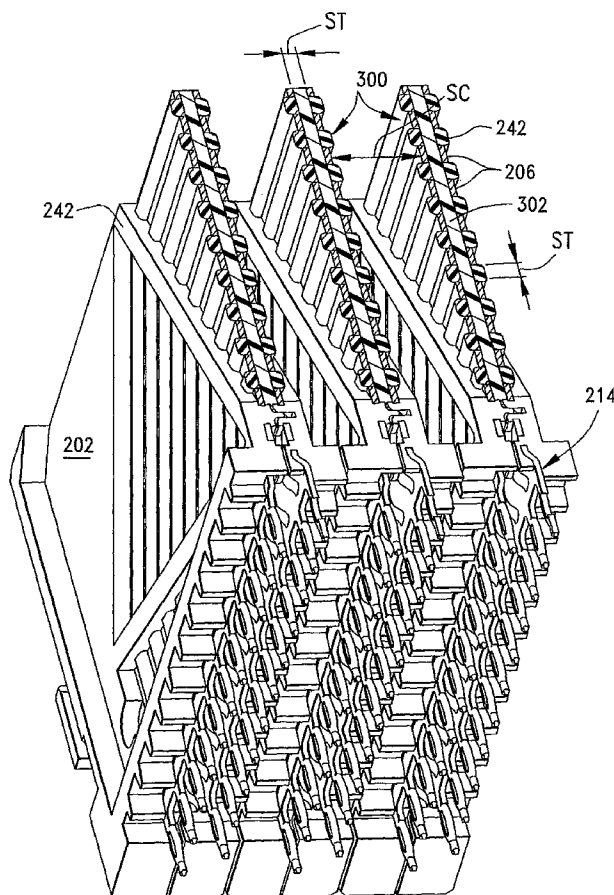
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(54) Title: HIGH-DENSITY, ROBUST CONNECTOR WITH DIELECTRIC INSERT



(57) Abstract: A high speed connector includes; a plurality of wafer-style components (202) in which two columns of conductive terminals (206) are supported in an insulative support body, the body including an internal cavity (133) disposed between the two columns of conductive terminals. The terminals are arranged in horizontal pairs, and the internal cavity defines an air channel between each horizontal pair of terminals arranged in the two columns of terminals. The terminals are further aligned with each other in each row so that horizontal faces of the terminals in the two rows face each other to thereby promote broadside coupling between horizontal pairs of terminals. A dielectric insert (302) is provided between the columns of terminals to thereby influence the broadside coupling between pairs of terminals.



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