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(54) Title: LOW INDUCTANCE FLEX–TO–PCB SPRING CONNECTOR FOR DISC DRIVE

(57) Abstract

A low inductance electrical spring connector (162) for use on a printed circuit board (168) of a disc drive (100). The spring connector interconnects conductors (152) of a flex circuit (150) extending through a basedeck (104) of the disc drive to conductive traces (170) of the printed circuit board supported on an exterior surface of the basedeck. The spring connector has a dielectric housing (164) which forms an insertion cavity (176). Conductive spring contacts (166) are provided, each having a first end (186) extending from the dielectric housing and a second end (180) confined by the dielectric housing. The first ends are attachable to the conductive traces of the printed circuit board and the second ends are pre–load contact portions having respective contact surfaces extending into the insertion cavity to engage the conductors of the flex circuit.

