

DISK DRIVE WITH IMPROVED SHOCK SENSING**ABSTRACT**

A data recording disk drive having a shock sensor for detecting acceleration. The shock sensor is mechanically supported by a printed circuit board (22) (PCB), which has a portion of the circuitry for operating the disk drive, and the circuitry is connected to the shock sensor (50). A baseplate (9) supports the drive spindle (6), actuator (27) and PCB. A support member (80) is provided on the baseplate on the side of the PCB opposite the shock sensor, and positioned to support the PCB directly opposite the shock sensor. The baseplate support member (80) and PCB are arranged to have an interference fit therebetween so that the PCB (22) is placed under stress to transmit any shock force between the baseplate and the shock sensor. The interference fit may use a support layer on the PCB facing the support member, or by having the baseplate support member extend into the plane of the PCB in the Z direction.

Fig 3