

Q97-1032

Abstract of the Disclosure

5 A head suspension has an integrated multi-layer trace conductor array  
for supporting and electrically interconnecting a read/write head to  
electronic circuitry in a disk drive. The electrical micro strip transmission  
line characteristics of the conductor array is controlled by the selective  
placement and connection of the trace paths within the multiple layers in  
10 order to control and balance electrical parameters including array  
inductance, inter-trace capacitance, and trace capacitance to a ground plane.  
The ground plane may further comprise a solid sheet of material or an  
arrangement of grounded traces disposed in proximity to signal-carrying  
traces of the micro strip transmission line in order to control and obtain  
desired electrical characteristics.