

Multiposition Micro Electromechanical Switch

Abstract

A micro electromechanical switch (50) has a guidepost (54) formed upon a substrate (52). A signal transmission line (74) is formed on the substrate (52), with the signal transmission line having a gap (78) and forming an open circuit. The switch further includes a switch body (58) having a via opening formed therein, with the switch body (58) being movably disposed along a length defined by the guide post (54). The guidepost (54) is partially surrounded by the via opening.

Fig. 3