

Fig.1: Cross-sections of various interconnections on the PCB and the formulae for the inductances L [H/m], capacitances C [F/m] (related to unit of length) and characteristic impedance Z_0 . a) round wire above groundplane, b) microstrip (0.1 < w/h < 3.0, 1 < ϵ_r < 15) c) stripline (0.1 < w/h < 2.0, t/h < 0.25, 1 < ϵ_r < 15), d) twisted pair, e) coaxial cable.