

ELECTRIC CONNECTION SOCKET

ABSTRACT

5 An electric connection socket for relaying electric signals between a circuit substrate
and an electric component includes: a metal housing which has a through hole enabling
communication between the top surface and the bottom surface thereof, and on the top
surface of which the electric component is mounted and on the bottom surface of which the
circuit substrate is mounted; and a signal pin inserted into the through hole to configure a
10 coaxial line between the inner wall surfaces of the through hole, and which is electrically
connected at one end to a signal path pad electrode of the circuit substrate and is
electrically connected at the other end to a signal path terminal of the electric component.
The metal housing is arranged on the circuit substrate such that an air gap is formed
between the bottom surface of the metal housing and the top surface of the circuit
15 substrate.

[Fig. 1]