

ELECTRICAL CONNECTOR

ABSTRACT

To provide an electrical connector with a relatively simple contact receiving key for preventing the contact from being inserted in incorrect orientation.

An electrical connector 10 includes female contacts 50 and a housing with cavities for receiving the female contacts 50. Each female contact 50 comprises a lead receiving portion 51 to be engaged with a wire conductor and a female contact portion 52 to be mated with a mating pin terminal. The female contact portion 52 includes a relatively wide base 54 and a relatively narrow pin receiving portion 56. The cavity 21 has an opening portion 22 for receiving the female contact 50 from the female contact portion 52. The opening portion 22 has a projected portion 31b therein to be configured to have a substantially complementary cross section with respect to the female contact portion 52. When the female contact 50 is up-side-down, the base 54 and its adjacent portions interfere with the projected portion 31 thereby refusing to receive the female contact 50.

Figure 4(a)