

Abstract

USB socket

A socket to be connected to the printed circuit board of an electronic device contains at least one receptacle for the plug-in section of a connector. Contact elements for contacting the contact elements of the connector are arranged in this receptacle. These contact elements terminate in a printed circuit board element, which is arranged in the socket. Contact elements then emanate from this printed circuit board element, which contact elements project from the socket and are provided and formed for connection with the printed circuit board of the electronic device. The electrical connection between the socket contact elements, associated with the connector, and the device contact elements, associated with the device, is brought about over the circuit-board conductors on the printed circuit board element. This printed circuit board element contains at least one electronic component, over which the connection between a socket contact element and a device contact element is routed.

Figure 6

-----