

ABSTRACT

SMALL PITCH ELECTRICAL CONNECTOR

An electrical connector (13) for mating with a complementary component includes an insulative housing (12) having a receptacle (16) for receiving a portion of the complementary component and a plurality of terminal receiving cavities for receiving terminals therein. A plurality of generally planar conductive terminals (1) are stamped from sheet metal material of a predetermined thickness, with each terminal having a predetermined thickness (t) generally equal to the thickness of the sheet metal material from which it is stamped. Each of the terminals is mounted in one of the cavities. The terminals (1) include a generally rigid base (3) having a base width (B) parallel to the plane of the terminal, a solder tail (8) extending from the base, a retention section (6) for securing the terminal within the housing and an L-shaped contact portion extending from the base. The L-shaped contact portion include first and second legs connected at a juncture portion (4). The first leg (2) has a first width (A) parallel to the plane of the terminal and includes a contact portion (5) for contacting a conductive portion of said the complementary component. The second leg extends from said base and the juncture portion has a juncture width (C) parallel to the plane of the terminal. The base width and the first width being greater than the thickness of the terminal and the juncture width being less than the thickness of the terminal.

Fig. 1