

ABSTRACT OF THE DISCLOSUREMETHOD OF MOUNTING AN ELECTRICAL CONNECTOR TO A PRINTED
CIRCUIT BOARD

5 A method for mounting an electrical connector to a printed circuit board
comprising the steps of: (a) pressing a fold line on the circuit board such that the
circuit board is divided into a primary board and a secondary board; (b) fixing a U-
shaped retainer to the secondary board such that the connector is fixed relative to the
circuit board; (c) performing a first SMT process; (d) performing a second SMT
10 process after turning the circuit board over; and (e) removing the secondary board and
the retainer simultaneously. Alternatively a second method has the following steps:
(a) providing a U-shaped retainer having a frangible leg portion such that the retainer
is fixed on the circuit board and temporarily fixes the connector to the circuit board;
(b) performing a first SMT process; (c) performing a second SMT process after
15 turning the circuit board over; and (d) removing the retainer along the frangible leg
portion. This method allows fixing the connector to the circuit board without
damaging or dropping the connector particularly during the second SMT process.
Therefore, the quality and yield of the circuit board-mounted connectors are enhanced.

Figure 5