

ELECTRICAL CONNECTOR ASSEMBLY

ABSTRACT OF THE DISCLOSURE

An embodied electrical connector assembly includes a circuit board and an electrical connector including an insulating body and a plurality of terminals. The insulating body comprises a bottom surface, an upper surface opposite to the bottom surface, opposite end portions, opposite side portions, and a plurality of openings formed through the insulating body. Each terminal comprises a base portion, two attaching portions, two connecting portions, and an elastic arm portion. The base portion includes a soldering portion and opposite first and second edges. The two attaching portions extend parallel to a direction from the second edge to the first edge and are configured to have a height different from that of the base portion. The two connecting portions are respectively disposed adjacent to the opposite ends of the first edge and correspondingly connect the first edge and the attaching portions. The elastic arm portion includes a contact part and extends, from a location between the ends of the first edge, upward and along the direction from the second edge to the first edge with its contact part above the corresponding opening. The two attaching portions of each terminal are attached to the insulating body. The two attaching portions of each terminal are disposed adjacent to the corresponding end portion of the insulating body and respectively on opposite sides of the corresponding opening. The base portion and the connecting portions of each terminal are disposed outside the corresponding end portion.

Figure 3