

PROBE NEEDLE AND PROBE MODULE USING THE SAME

ABSTRACT

A probe needle includes a head, a tail and a body connected between the head and the tail and provided with a first flat section curvedly extending from the head towards the tail for providing sufficient deformation when the tail is pressed on a device under test, and a second flat section neighbored to the first flat section for supporting the probe needle in between upper and lower dies. When the probe needles are used in a probe module, the probe needles can be arranged with a pitch same as that of the conventional probe needles even though the probe needles are formed from posts having a relatively greater diameter than that of the posts for making the conventional probe needles, such that the probe needles may have enhanced current withstanding capacity and prolonged lifespan.

Figure 4