

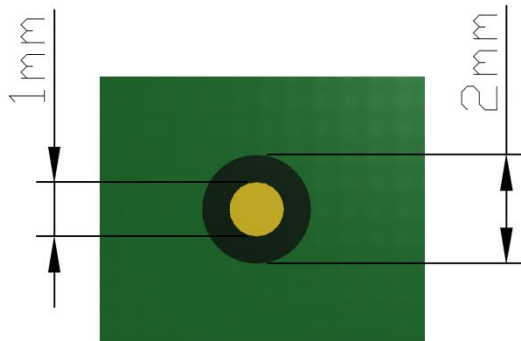
FIDUCIALS

What are fiducials?

Fiducial points are small dot drawings of *copper* used by the pick and place machine to localize the PCB. Having the real coordinates of the fiducial points captured by the machine's camera, comparing them with the known coordinates, the machine corrects the PCB's location and rotation for accurate placement.

It's very important that the fiducials are drawn on the copper layer and the solder mask opening is somewhat larger than the fiducial itself.

Example sizing:



Where to place the fiducial points?

They should be located at the opposite corners of the PCB. The larger the distance, the better the accuracy is. A pair of fiducials is needed on each side of the board where SMD components will be mounted onto.

