

Minimum distance from drill to drill

Minimum distance from drill to drill – this is a parameter used in manufacturing, i.e. a value demonstrating the technological capability of the PCB manufacturer. During design, all hole sizes are defined as final, i.e. together with plating, which means that the PCB manufacturer must increase all initial drill sizes by 0.1 mm.

Consequently, the minimum distance from the edge of one drill to another drill decreases by 0.1 mm and if it is less than 0.15 mm, it is no longer technologically possible.

This parameter often causes mistakes while planning the use of a copper plane or the break tab holes of tab bridges.

To check the problem, enter a distance that is 0.1 mm bigger than the minimum permitted distance as a default value in the CAD program.

In the case of particularly compact boards, it is possible not to increase the vias and use the minimum distance.

In such case, the contracting entity/designer should add a corresponding remark in the design documentation or the order.

