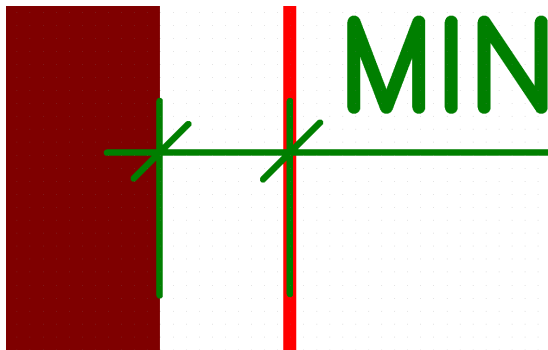


## Minimum distance from wire to border

This parameter designates the minimum distance of any conductive layer, line, wire, copper plane or soldering pad from the cutting line of the board, i.e. the border. The tolerance of mechanical cutting or milling is  $\pm 0.1$  mm. Due to that, there is a danger of milling into the line, copper area etc. if you design the conductive area closer than 0.2 mm. Such cutting brings along the following problems:

1. the emergence of copper grades which impede the assembly of components and the contact of paste stencils with the printed circuit board;
2. the placement of a ready-to-use product into a casing made of a conductive material may cause undesired connections (short circuits). Pad treatments that have plated edges and are deliberately connected to outer layers are an exception.



**NB!** This parameter only applies to milling.  
In the case of a V-cut, the minimum distance for 1.6mm material is 0.4 mm.