

How to Reduce Cost with Panelizing Service

Panelizing is common used in the PCB board's production for it can get more value in a low cost. For some customers, the size of single boards can't properly used on their project so they need a bigger size. That's the main reason for customer choose panelizing service, here is an introduction of panelizing service of Elecrow.

1. Two ways of panelizing

We have two ways of panelizing, one is V-cut/V-groove and the other is snap off holes/mouse bite.

V-cut

The minimum size of board is 8*8cm. V-cut is a straight and uninterrupted line. The mini spacing between 2 V-cut line is 2mm. For 1.6mm thickness boards, V-cut line must has 1mm spacing with the edge of boards; for 1.0mm thickness, it should be 0.7mm.

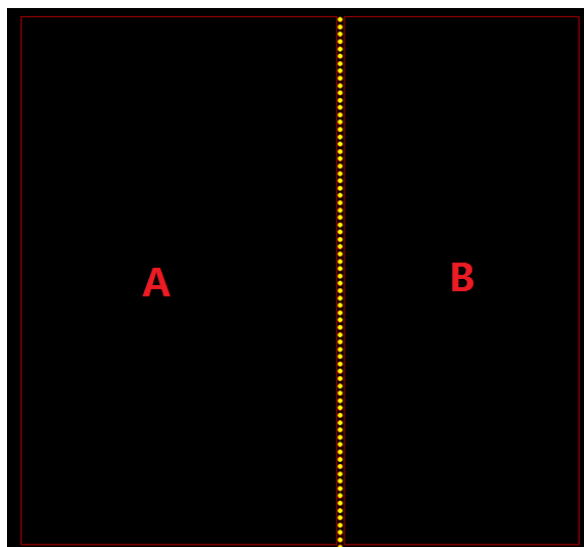
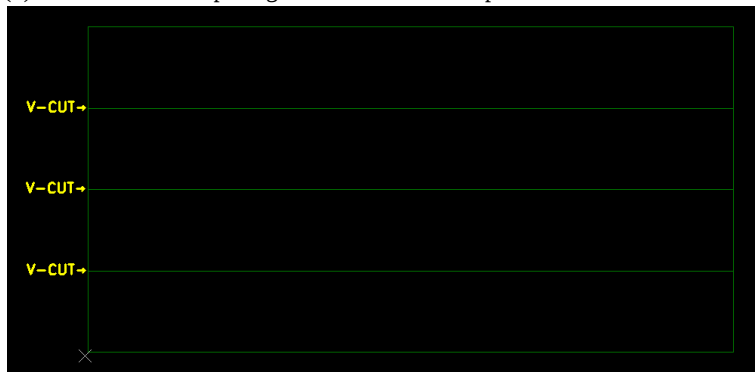
The V-cut line can only be added on the outline Layer. Routed slots/V-cuts must be placed on the PCB's sole outline layer and properly exported in Gerber files to ensure manufacturability.

Snap off holes

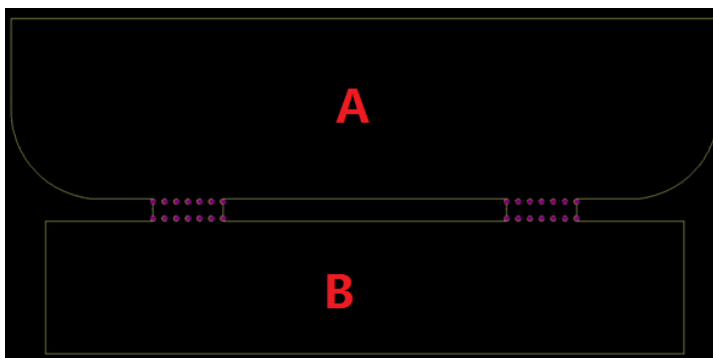
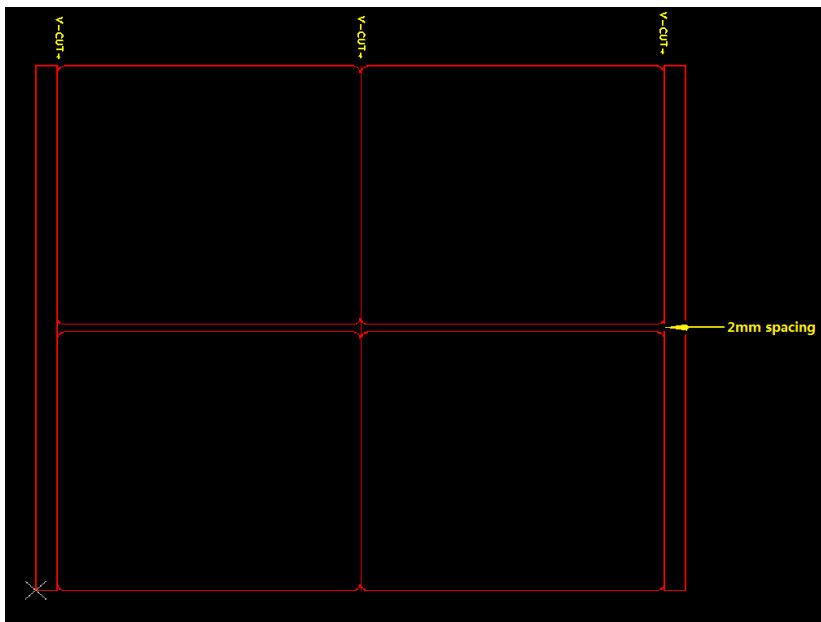
The snap off holes can be used in irregular shape of PCB while the V-cut can't, if you want to panelize irregular shape of PCB. If the PCB panel is not enough to be 8x8cm to fit with v-cut, mouse bites would be a better choice. The mini spacing between 2 mouse bites is 2mm.

2. Three styles of panelizing in V-cut and snap off holes

(1). Panelize without spacing without . Here is the picture.

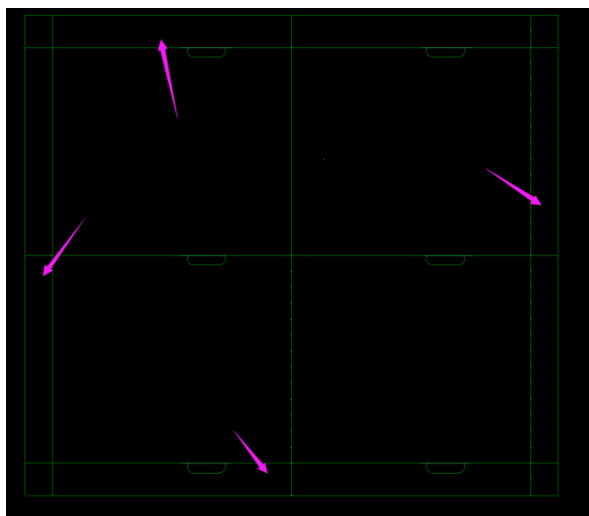


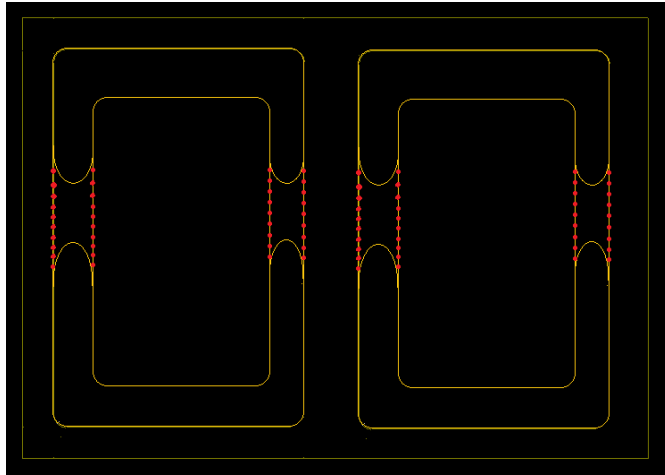
(2).Panelize with spacing. Here is the picture.



(3). Panelize with margin

If you want to panelize the boards with margin, please write your request in your order comment or make this in your gerber.



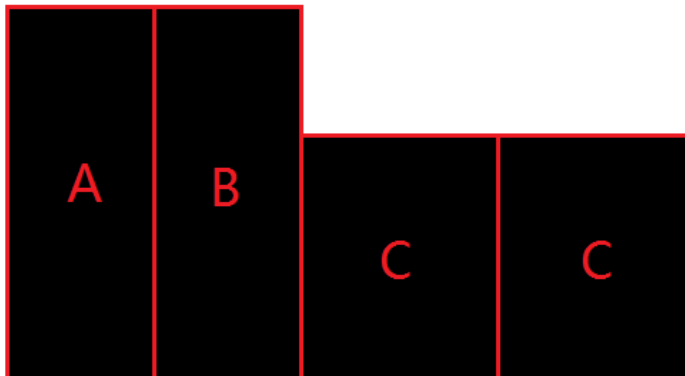


3.Panelize Fee

For same designs (all data must be the same) panelize with V-cut or mouse bites, there is no need to pay extra fee. For example, even though sub-PCBs are just different in the silkscreen, they are still regarded as different designs.

If there are different designs in your gerber, the panelize fee is dependent on the number of different designs. We don't care about the quantity of boards, one more design needs to charge \$12. Here is an example.

As the picture shows, there are three different designs "A", "B" and "C" in the same gerber, which will be regarded as panelizing in 3 different designs although there are two parts of "C".



If you have different circuit designs, panelizing would be a great way to reduce the cost.

Click to apply this method right away >>> <https://www.elecrow.com/pcb-manufacturing.html>