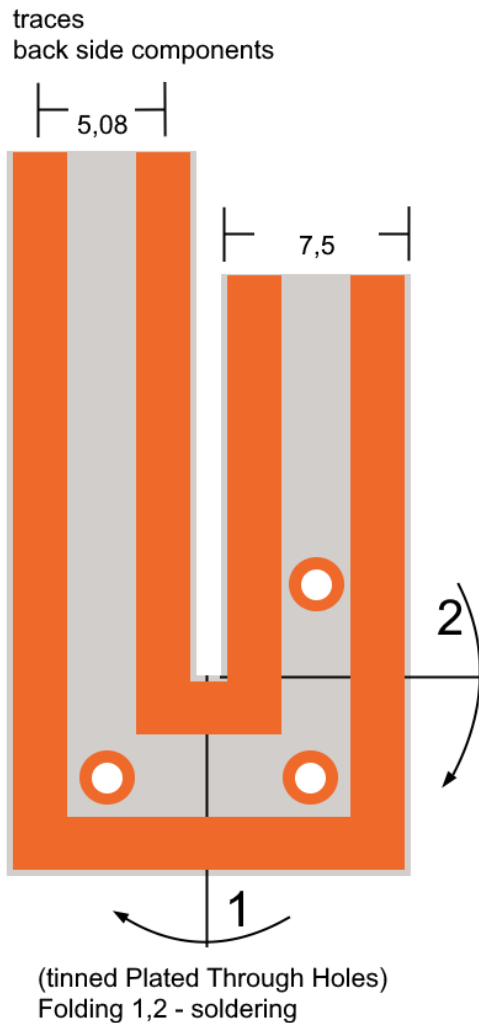


Design note for extra-long flex boards Rev. 1.3

Flexible circuit boards with excess length

A common problem is the limitation of the maximum length of flexible circuit boards to the size of the cut. Depending on the manufacturer, this is around 500 mm. A clever workaround to circumvent this maximum length is to create "flex snakes" (see right).



The circuit boards are provided with 3 solder or rivet points at each folding point. After cutting out the flexible circuit boards, they can be folded there and connected to each other. If riveting is preferred due to higher forces, additional stiffeners can be added at the folding point. The circuit boards are provided with 3 solder or rivet points at each folding point.

Depending on the width of the flexible cable, lengths of several meters can be achieved. In the example shown, a required length of 10 meters was achieved.



For more detailed information about the possibilities of this technology, simply contact us.