

7 basic requirements for form ASSEMBLY DRAWING

1. Deliver the drawing in any graphic format, preferably in PDF. Make sure the document is legible **after printing**. **For double-sided assembled PCB, it is necessary to send two assembly drawings marked TOP/BOT**. Prepare the drawing for the BOTTOM side for printing in a mirror image.
2. **The outline of the marked PCB** must be legible on the drawing.
3. Make sure that **the header of the drawing** contains the name of the product, including the version, possibly the author and the date of creation.
4. To ensure consistency and clarity, use **standardized symbols** to present components such as resistors, capacitors, diodes, and transistors.
5. Identify the position of the individual components on the PCB.
6. For components with polarity, such as electrolytic capacitors or diodes, mark the correct **orientation** on the drawing. For SMD components, indicate the correct **polarity** and **pin** numbering.
7. Be bold and include notes and annotations. Use them to provide additional information or instructions, such as special **handling** or **assembly instructions**.

Overall, providing precise and detailed manufacturing data for THT and SMD components is essential to ensure accurate and efficient assembly and can help minimize errors and reduce the risk of delays or problems during manufacturing.