



Sierra Assembly builds boards to your specifications. We will hold a job if we find any discrepancy between your order and the files or components you provide and wait for your verification.

## Complete Data

Sierra Circuits accepts all manufacturing files, but prefers ODB++ or IPC-2581. Gerbers, accompanied by X-Y pick-and-place data and a BOM, are also acceptable. Include whether RoHS assembly is required; if there are any components that cannot be washed; and whether boards should be shipped individually or in an array.

## Footprints

Make sure your footprints are the correct size for its designated position.

## Separated Kitting Components

Components must be contained in clearly marked tape, in a single bag or tray.

## Multiple Orders in Separate Bags

Separate components into independent boxes or bags along with the accompanying BOM.

## Component Quantities

Include the minimum required overages to compensate for possible assembly attrition when sending components. See our [Kitting Guidelines](#) for more information.

## BOM Matches Design Changes

Make sure your last-minute design changes match your BOM and all assembly files, instructions and materials.

## Marked Polarity

Anode or cathode of diodes must be clearly indicated, alongside the polarity of other components.