



Instructions to Use the “Made in the USA” or “Designed in the USA” GDS Designs

Note 1: These instructions are for using the USA designs in [KLayout](#). For instructions on other layout tools, please consult those tools’ user manuals.

Note 2: The upper left portion of the flag (the star area) may appear to have horizontal lines cutting across it. This is due to how KLayout draws polygons; it will still fabricate as one contiguous area.

1. Download the appropriate GDS file from the Downloads section of sparkphotonics.com
2. Open the GDS file in KLayout
3. Select the entire USA design or the desired portion of it
4. In the Layers box, select the layer for the USA design to be on (e.g., a metal layer)
5. Go to Edit → Selection → Change Layer and the USA design will now be on the selected layer
6. Add other layers as appropriate (e.g., metal blockfill) – contact your foundry for suggestions on the layers to use so the USA design is visible on your fabricated chip
7. Open your layout file in a new panel (File → Open in New Panel)
8. Select the USA design and any additional layers you added in Step 6
9. Copy the USA design (Edit → Copy)
10. Go to your layout file
11. Paste the USA design (Edit → Paste)
12. Move the USA design into place on your layout
 - To scale the USA design up or down, select the design and go to Edit → Selection → Scale, then enter a scaling factor (>1.0 to enlarge, <1.0 to shrink); repeat as necessary

Please contact Spark Photonics with any questions.