

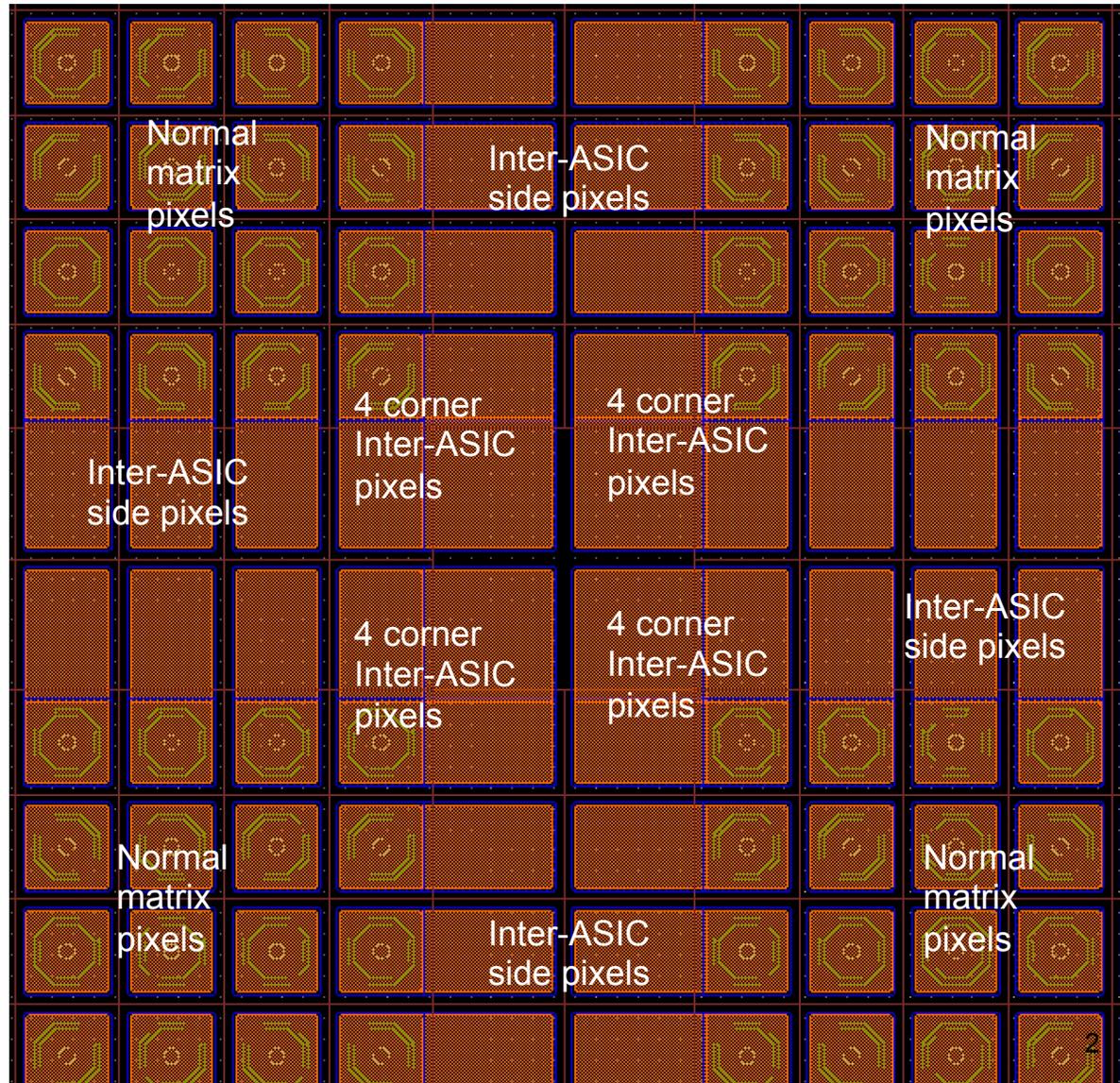
ePix Inter-ASIC Sensor Geometry

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ePix10K Sensor Geometry

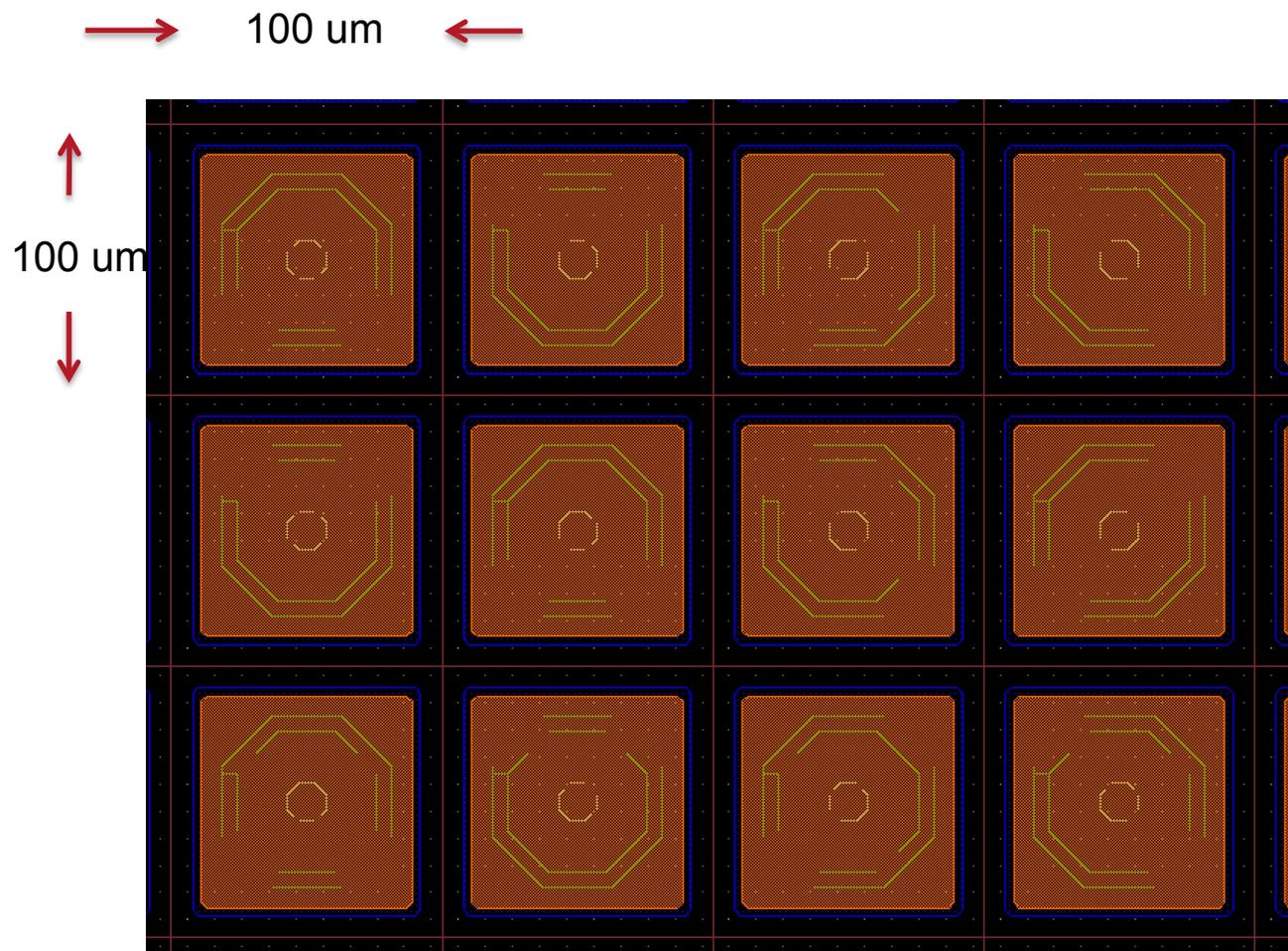
There are four distinct pixel geometries in a sensor:

- Normal Matrix pixels
- Outer Edge pixels
- Inter-ASIC Side pixels
- 4 Corner Inter-ASIC pixels

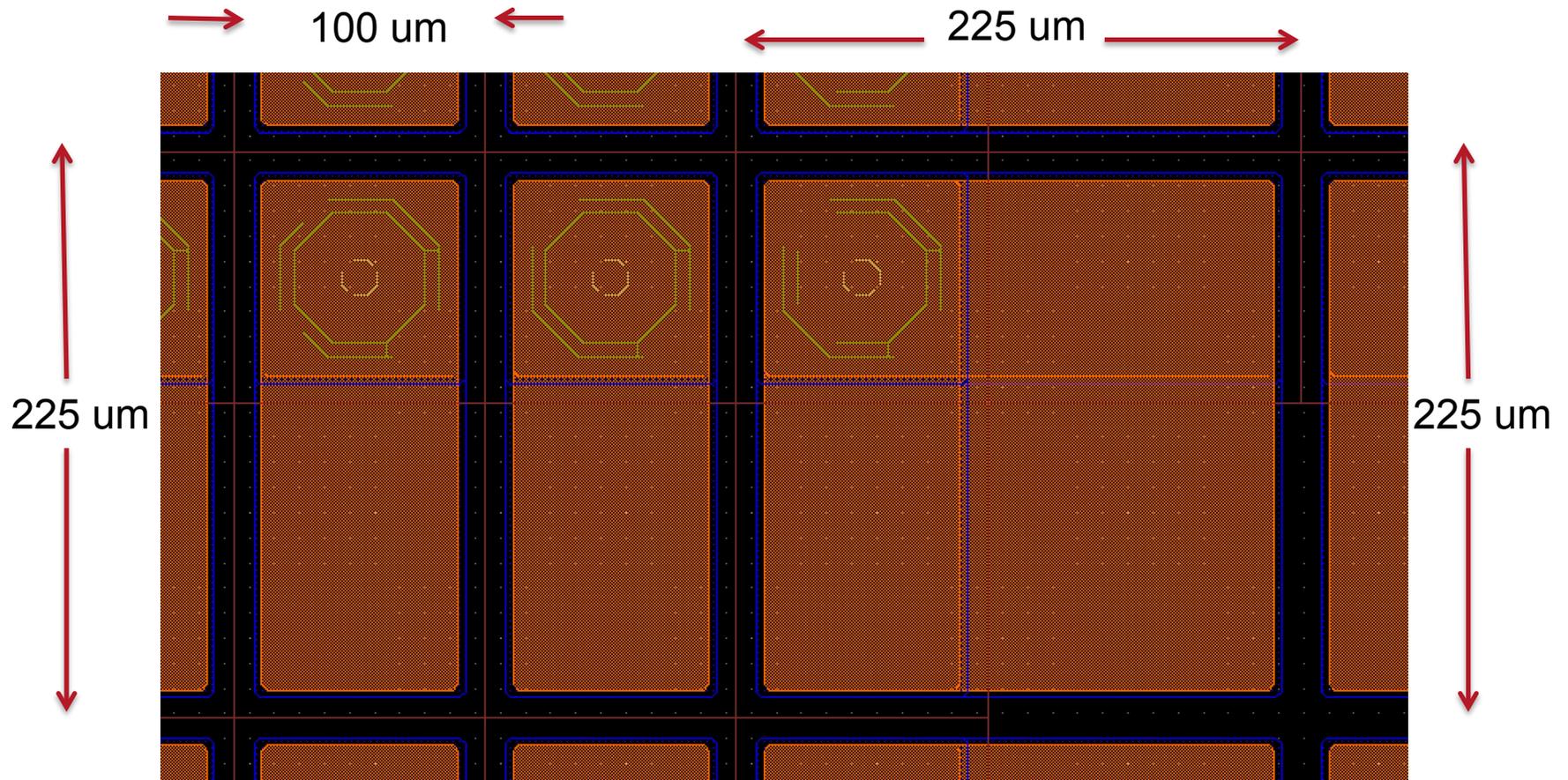


ePix10K Sensor Geometry – Normal Matrix Pixels

Normal Matrix Pixels are located on a 100.0 micron by 100.0 micron grid



ePix10K Sensor Geometry Inter-ASIC pixels



ePix10K Sensor Geometry – Edge Pixels

Edge Pixels are located on a 100.0 micron by 100.0 micron grid just like the Normal Matrix pixels. However, their collection volume and centroid may be shifted slightly due to the presence of the guard rings.

