

Problem B: 3D Placement with Macros

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Q&A

Q1. After reading the document, I have the following questions about Hybrid bonding terminal.

First: Can the position of terminal overlap with that of macros or std cells on the die?

Second: Are all the terminals square? If not, can we rotate the terminal?

Third: If terminals can be placed at any location as long as the spacing between 2 terminals terminal and die boundary is far enough.

A1. Here are the answers for these questions.

First: Yes. Terminal are on the top-most layer of the die while macros and std cells are placed on the bottom metal and device layers. Thus, terminals can overlap with all the cells.

Second: Yes. It would always be square.

Third: Yes.