

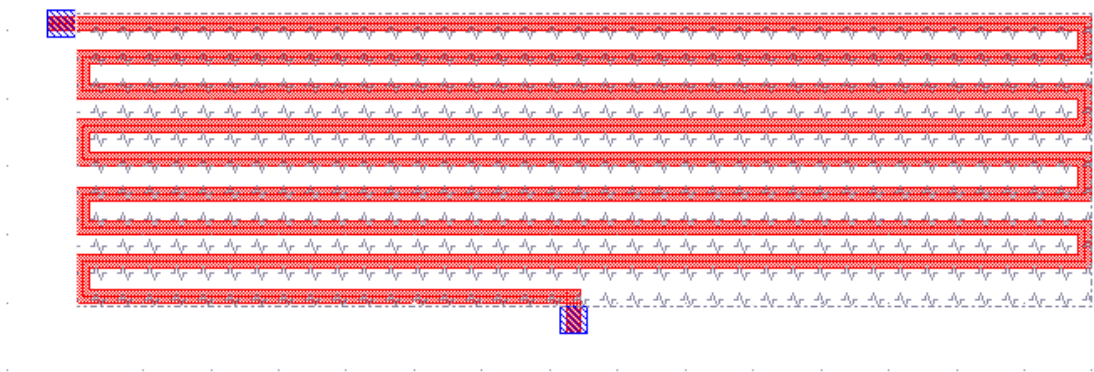
EE 330

Section 5: 8:00 am Thursday

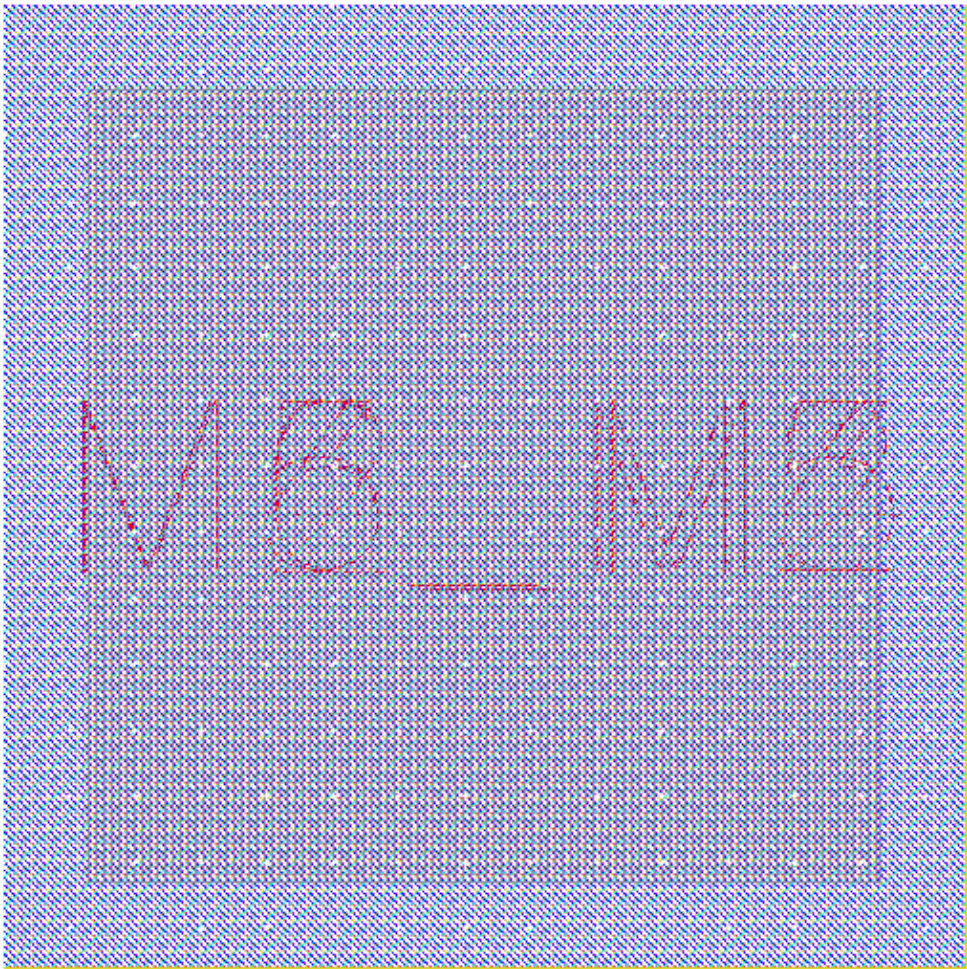
Lab5

Resistors, Bonding Pads, and Pad Frames

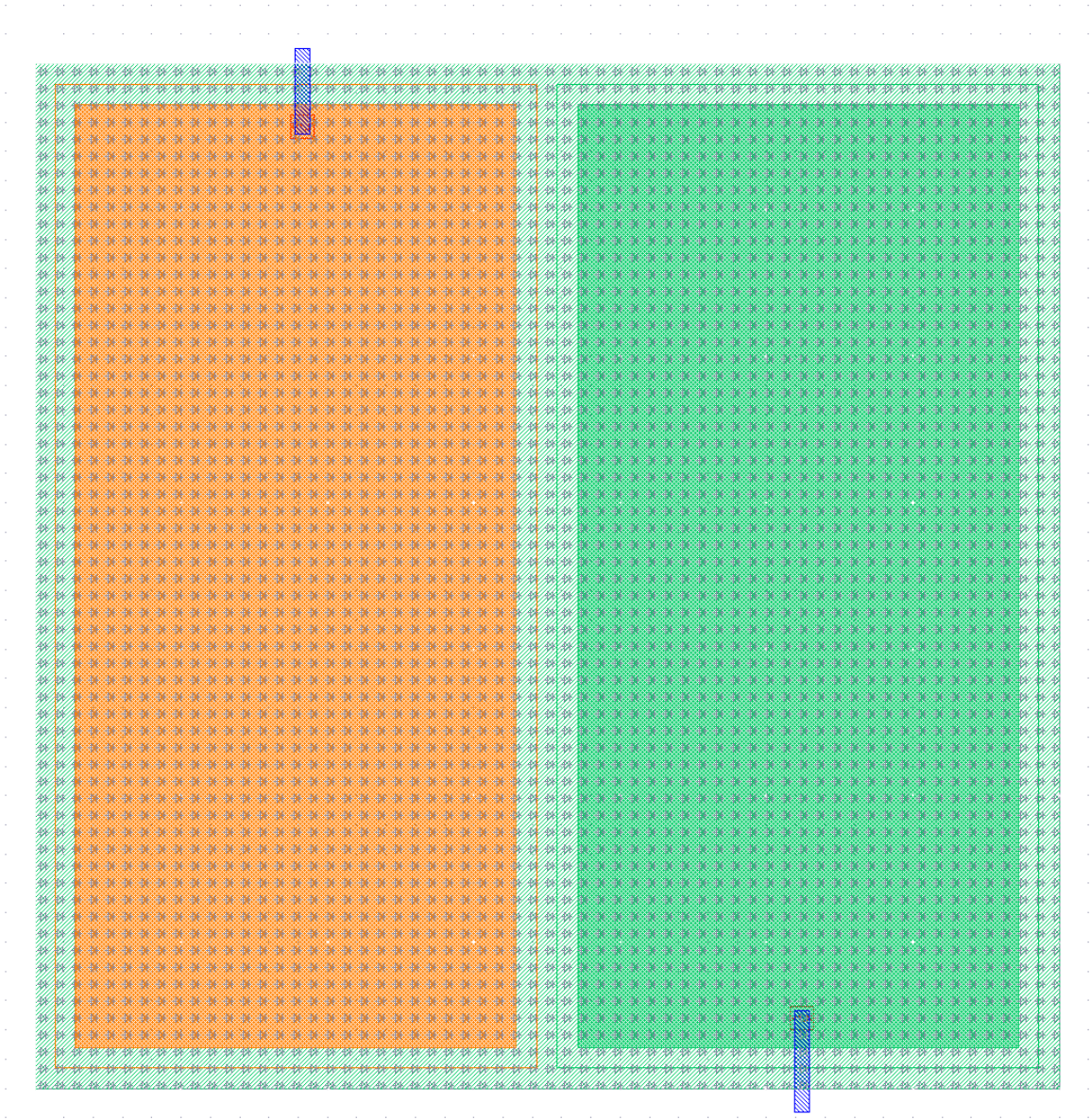
Part 1: Layout of a Resistor



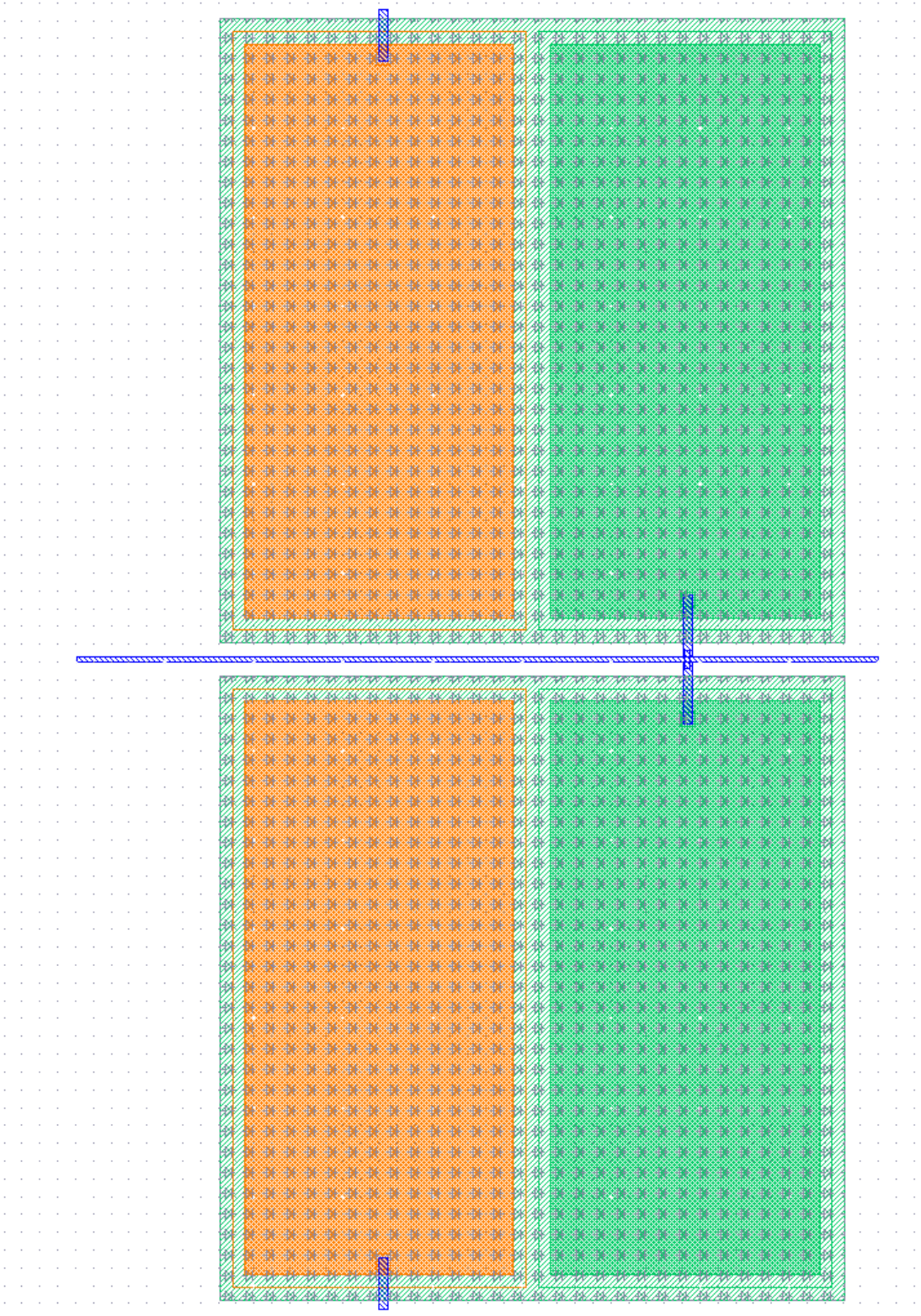
Part 2: Introduction to Bonding Pads



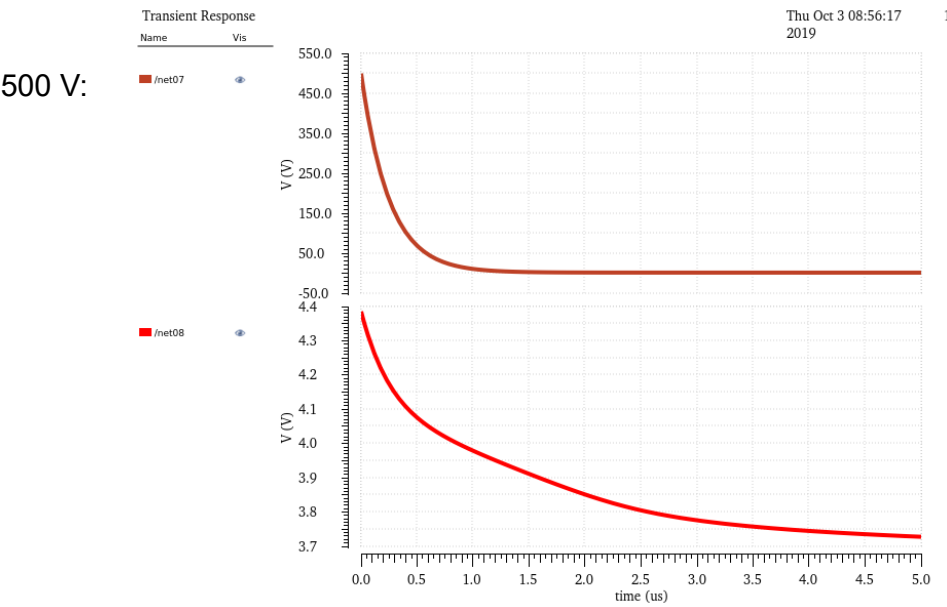
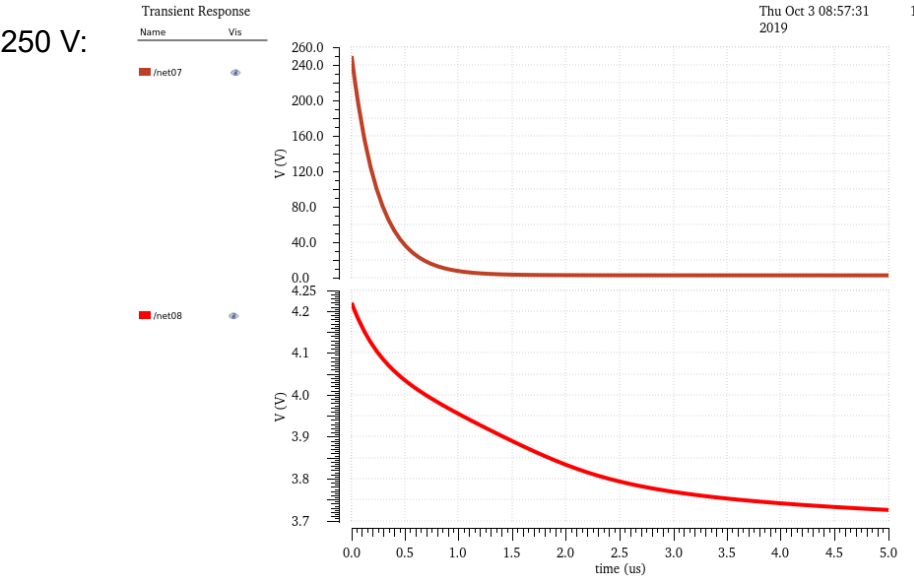
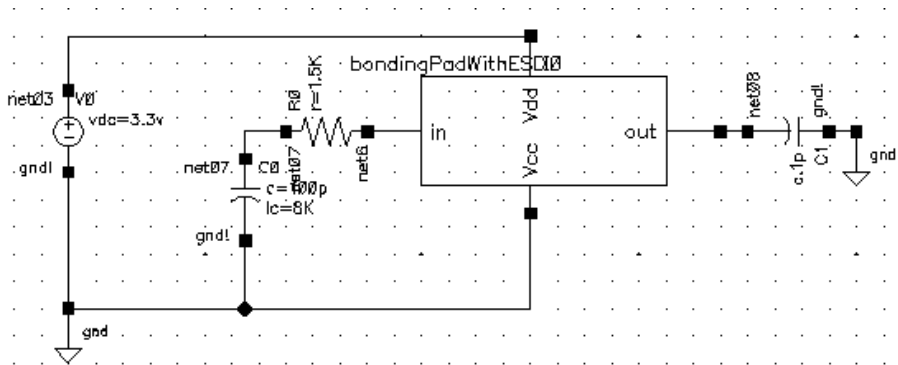
Part 3: Layout of a Diode



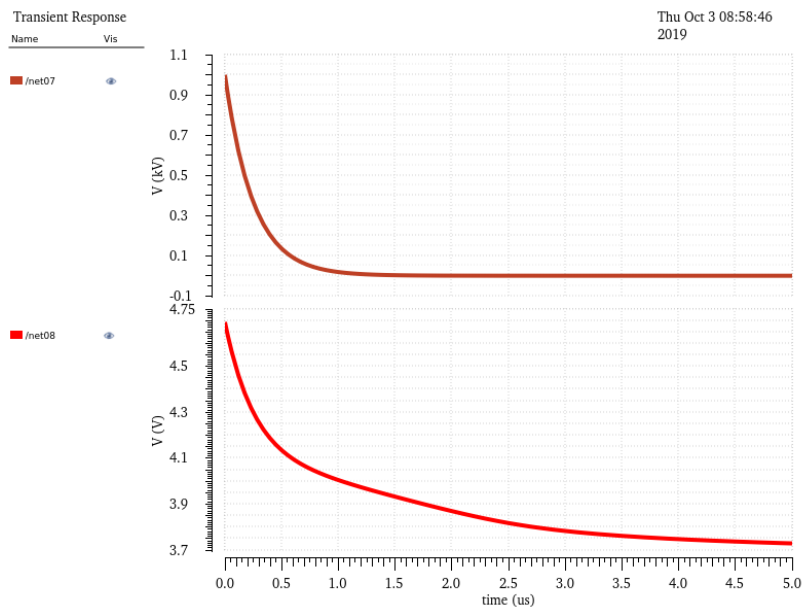
Part 4: Pad Protection Circuitry



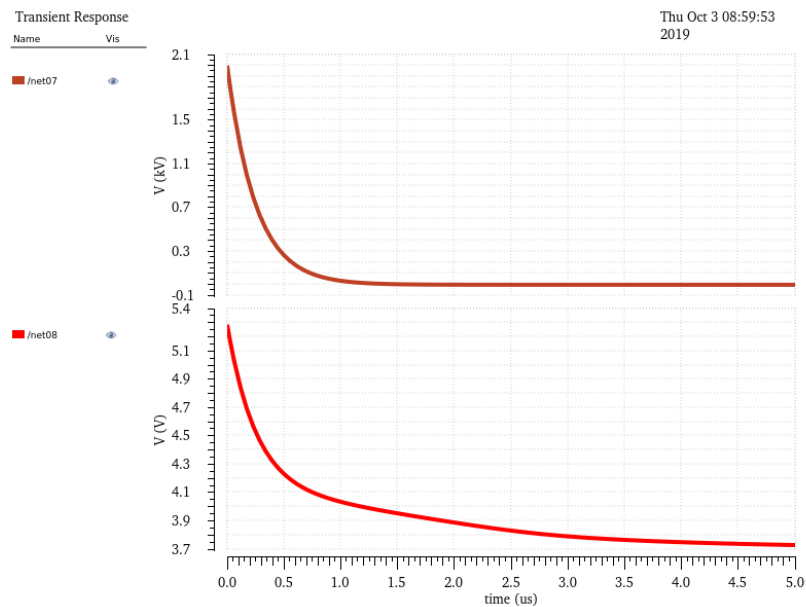
Part 5: Layout of the Bonding Pad with Protection Circuit



1000



2000 V:



This circuit is rated class 1B, as it can withstand above a 1000 V discharge, but not above 2000 V.

This protection could be improved by increasing the size of the protection circuit, enlarging the diodes or resistors.

Part 6: Pad Frames

