

This micrograph shows a 2D electron gas device with a 10x10 grid of circular gates. The gates are arranged in a regular pattern and are labeled with various identifiers. A blue circle highlights a specific gate in the grid. The device is connected to a network of gates, with labels indicating different regions and connections.

[illegible]

Figure for question 5 &6

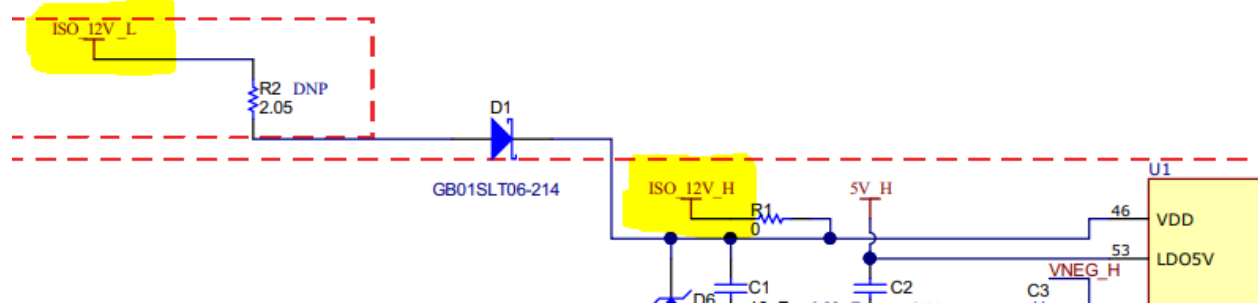


Figure for question 7

