Beginning from a silicon wafer

Side View

Top View

Thermal Oxidation

Side View

Top View

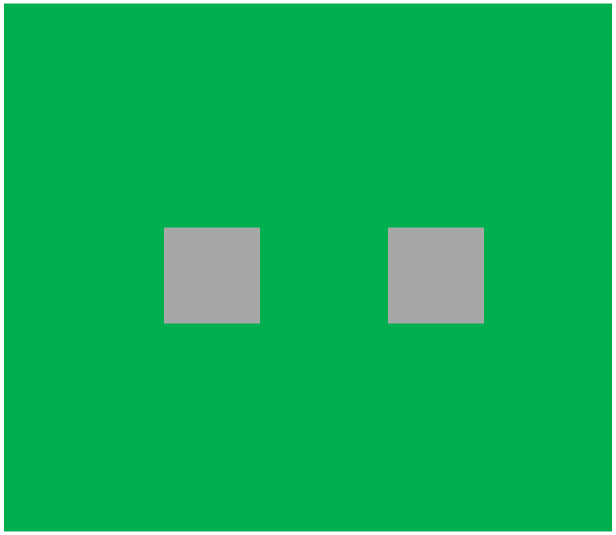
Spin-on Photo Resist (PR)

Side View

Top View

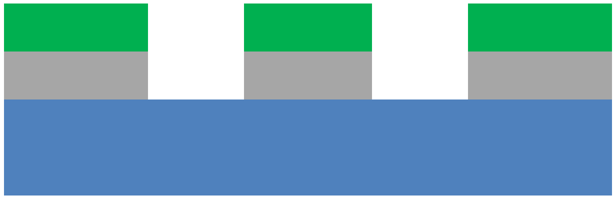
Alignment, UV Expose and Develop Photo Resist (PR)

Side View

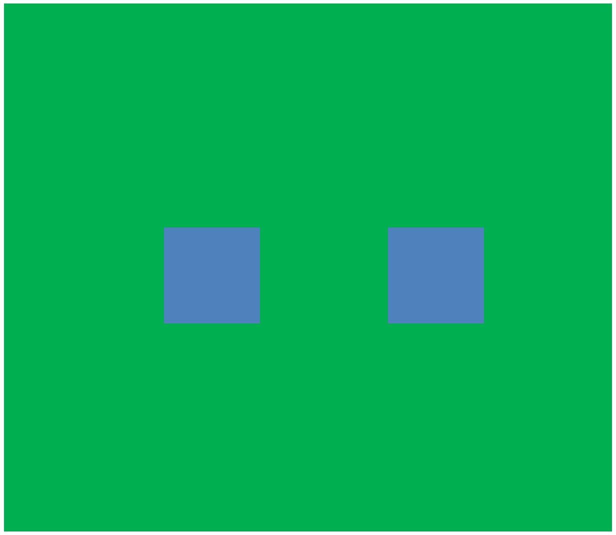


Top View

Oxide Etched



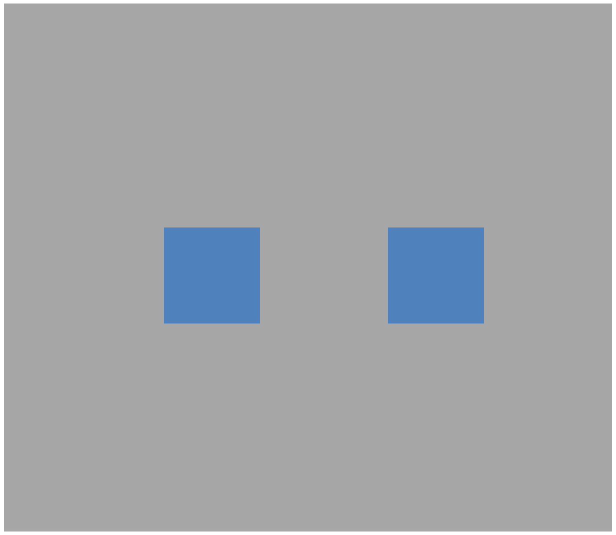
Side View



Top View

Remove Photo Resist (PR)

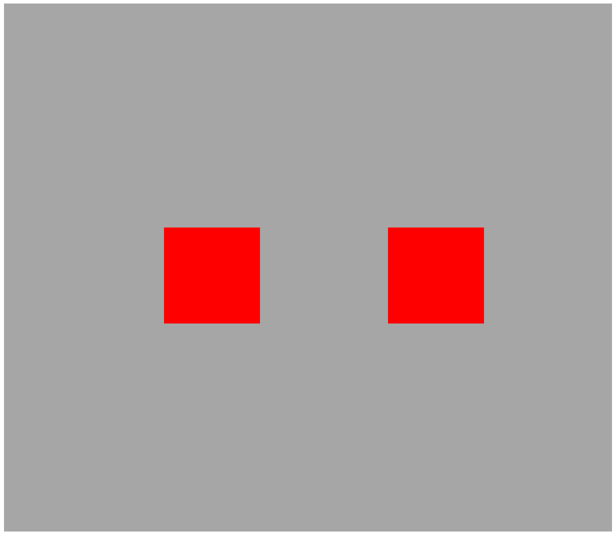
Side View



Top View

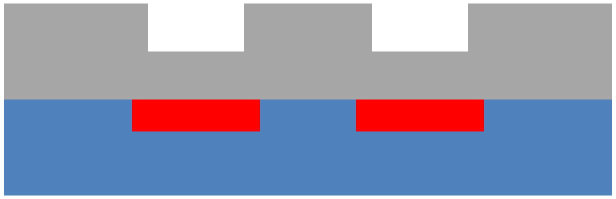
Doping (implantation or diffusion)

Side View

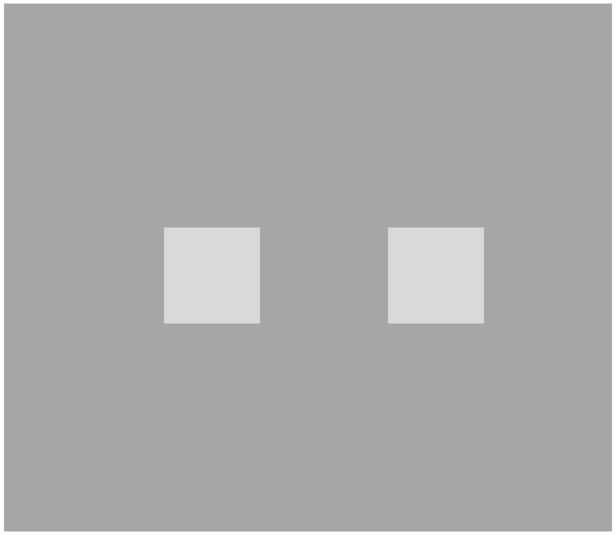


Top View

Grow Field Oxide (wet/dry) and dopant diffusion



Side View



Top View

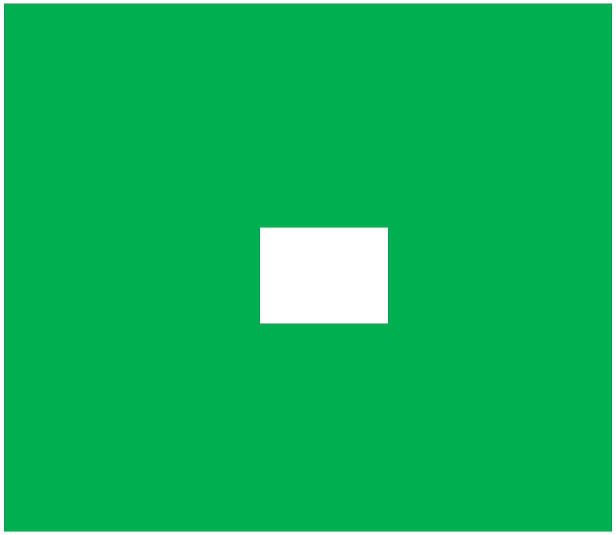
Spin-on Photo Resist (PR)

Side View

Top View

Alignment, UV Expose and Develop Photo Resist (PR)

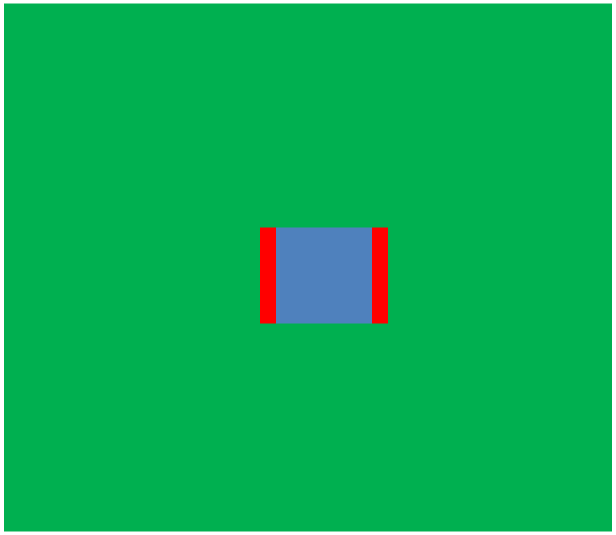
Side View



Top View

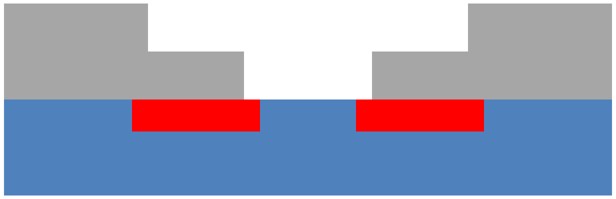
Oxide Etched

Side View

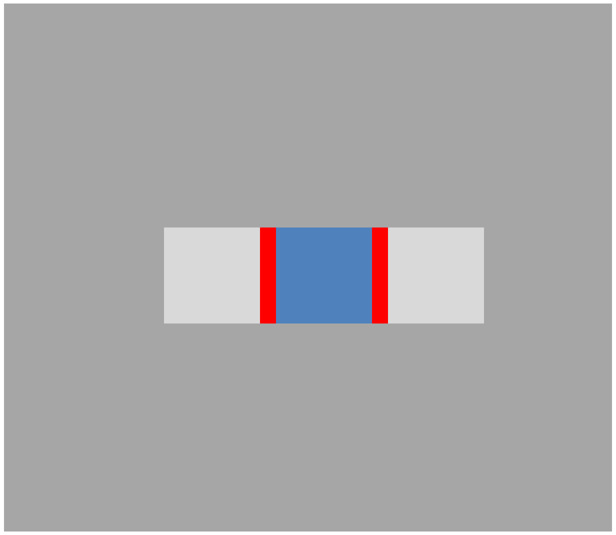


Top View

Remove Photo Resist (PR)

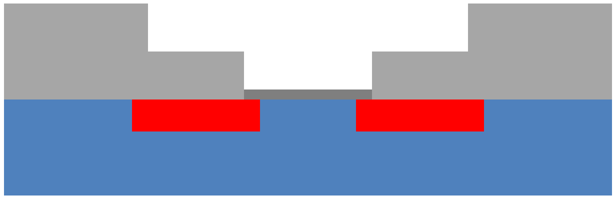


Side View

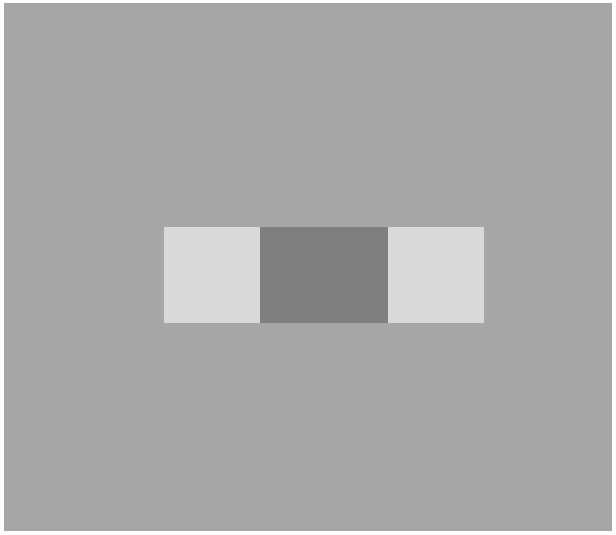


Top View

Grow Gate Oxide (dry)



Side View



Top View

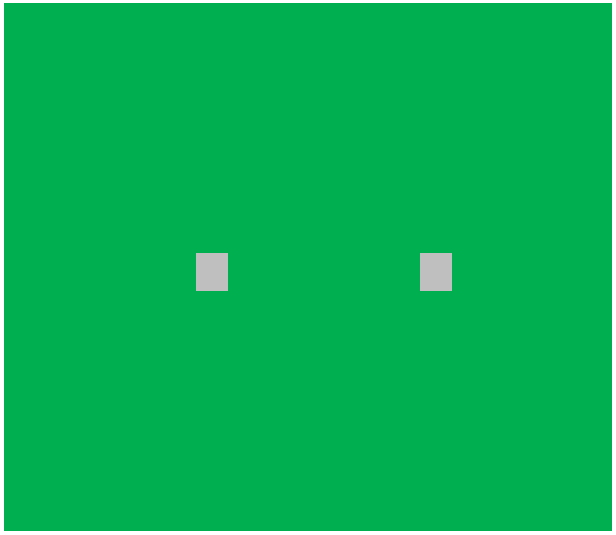
Spin-on Photo Resist (PR)

Side View

Top View

Alignment, UV Expose and Develop Photo Resist (PR)

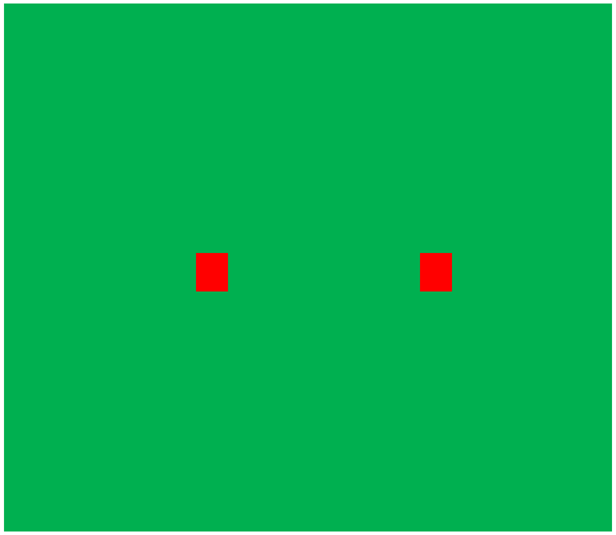
Side View



Top View

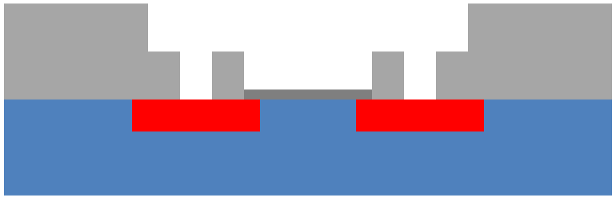
Field Oxide Etched

Side View

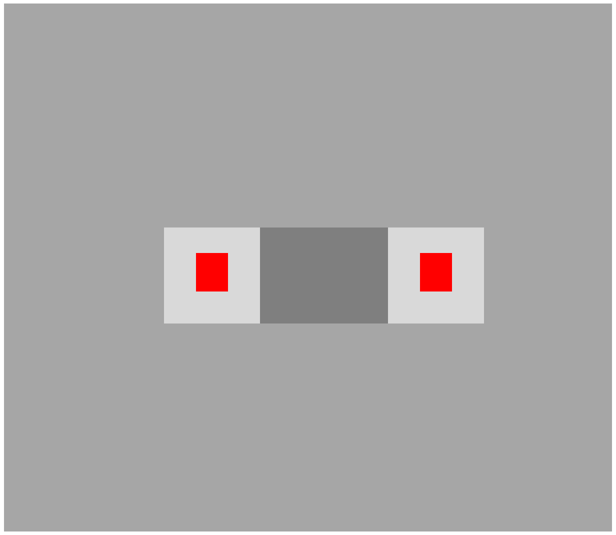


Top View

Field Oxide Etched

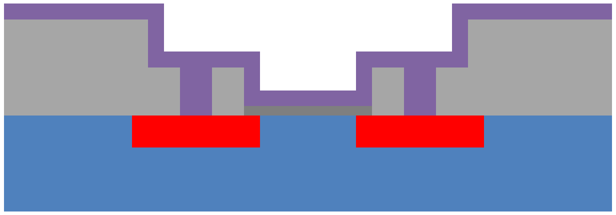


Side View



Top View

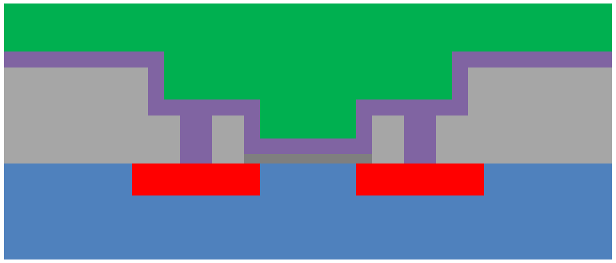
Metal (e.g., Aluminum) deposition



Side View

Top View

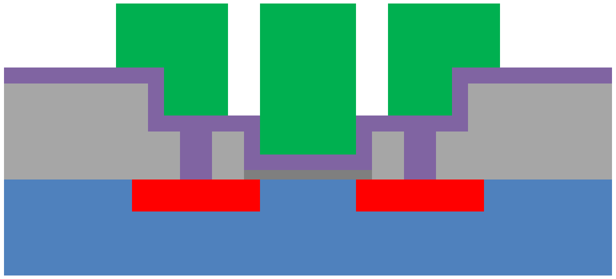
Spin-on Photo Resist (PR)



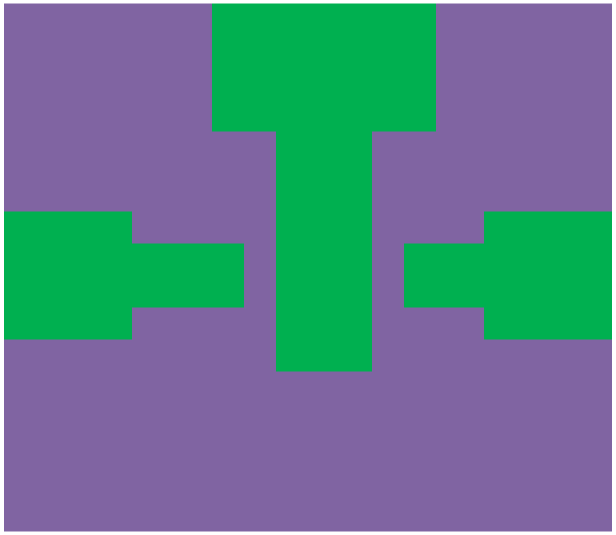
Side View

Top View

Alignment, UV Expose and Develop Photo Resist (PR)

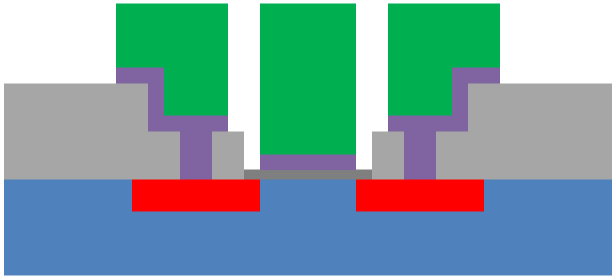


Side View

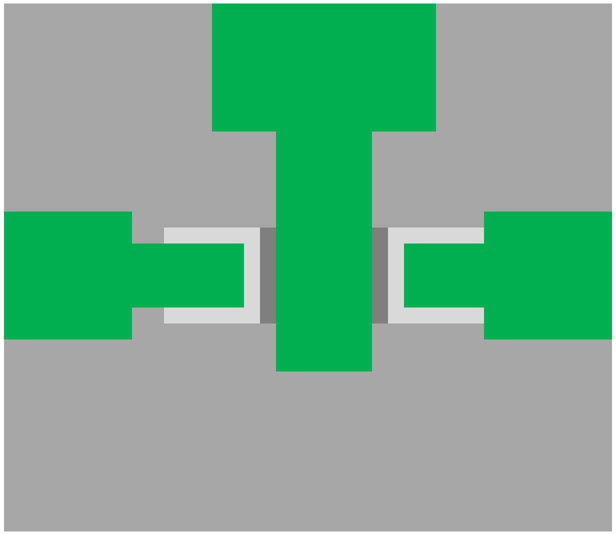


Top View

Aluminum Etched

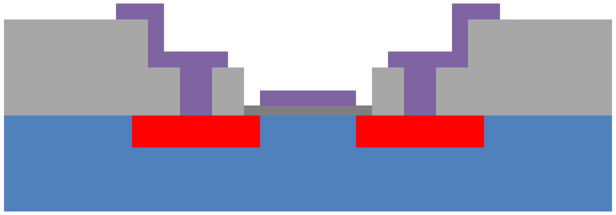


Side View

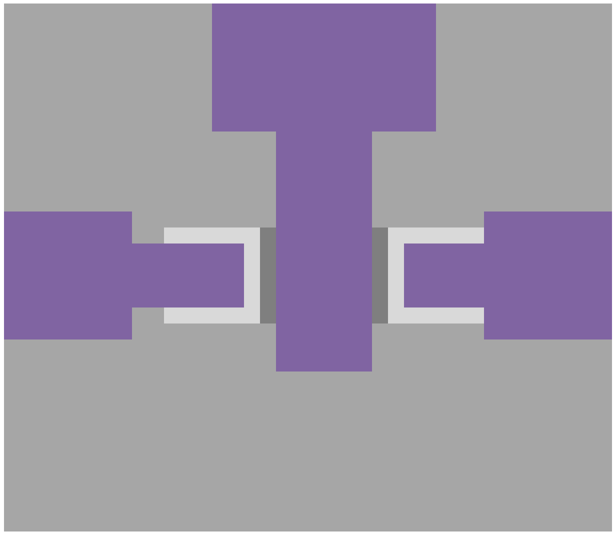


Top View

Remove Photo Resist (PR), annealing - complete



Side View



Top View