

# Generic LibreSilicon process overview

David Lanzendörfer

December 17, 2017

## Abstract

Copyright © 2017 LANCEVILLE TECHNOLOGY GROUP CO., LIMITED. All rights reserved.

This process is licensed under the Libre Silicon public license; you can redistribute it and/or modify it under the terms of the Libre Silicon public license as published by the Libre Silicon alliance, either version 2 of the License, or (at your option) any later version.

This design is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the Libre Silicon Public License for more details.

This is the specification of the free silicon manufacturing standard for manufacturing the ls018<sup>1</sup> standard logic cells and related free technology nodes from the LibreSilicon project.

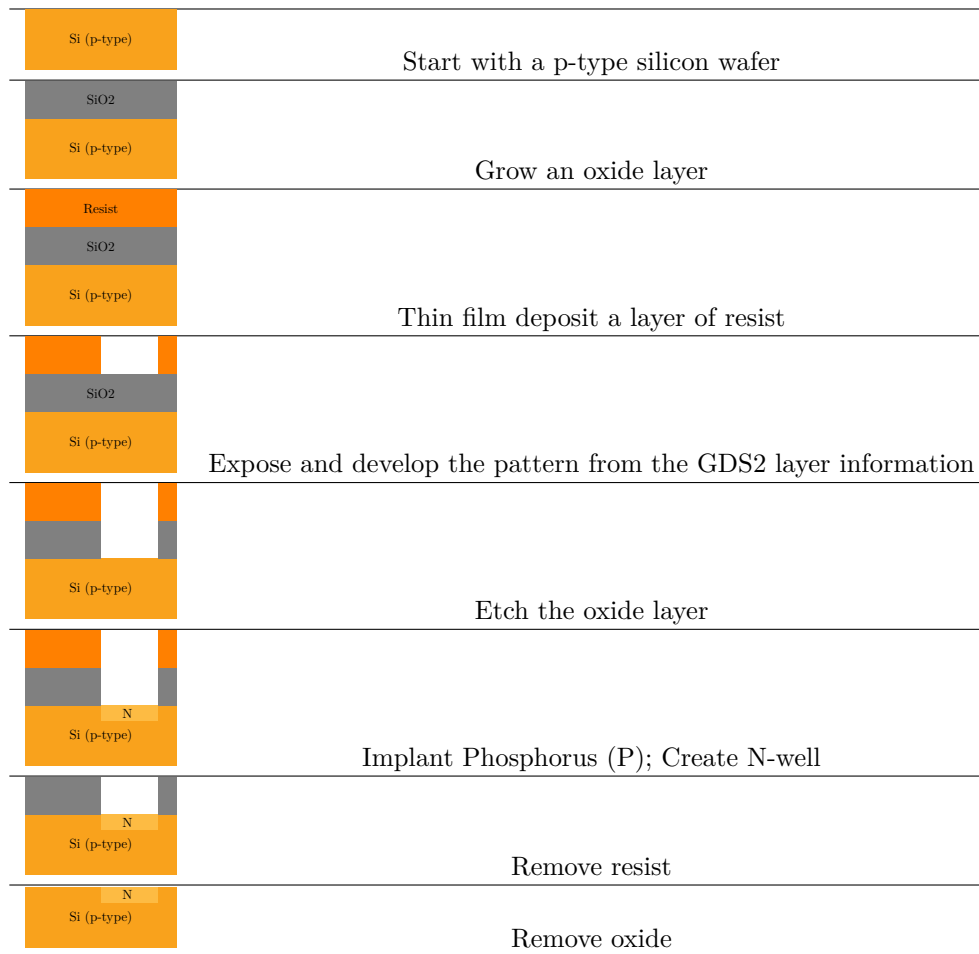
For further clarification consult the complete documentation of the process.

---

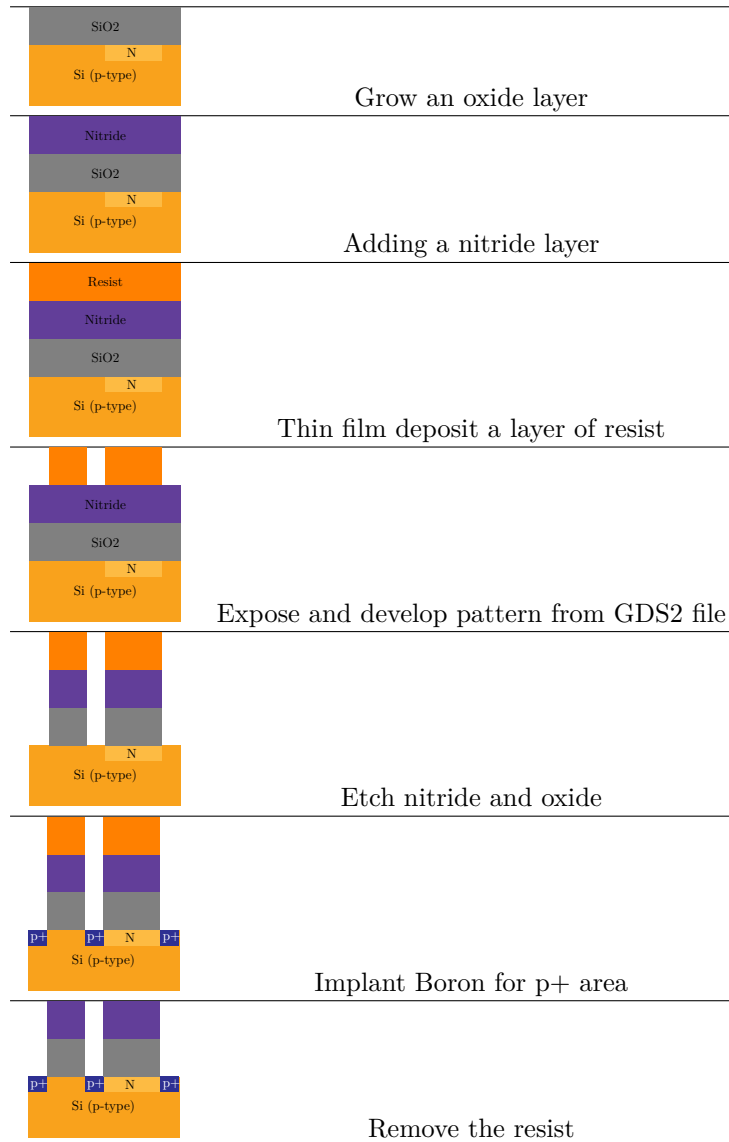
<sup>1</sup><https://github.com/leviathanch/ls018>

# 1 N-Well

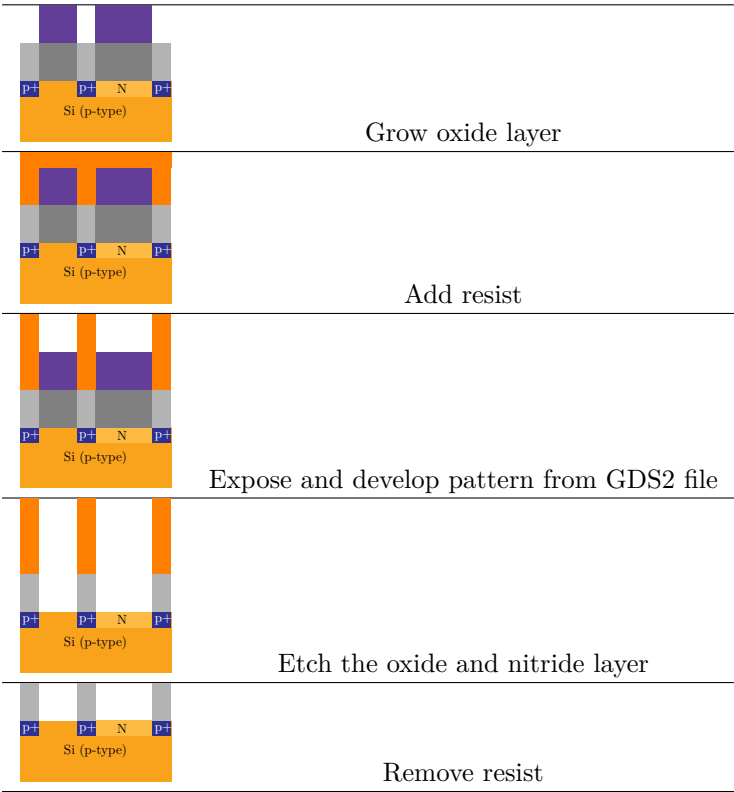
The n-well is required for CMOS technology built on a p-substrate. For this process p-substrate is required.



## 2 P+ Implant



### 3 Field oxide



# 4 Poly

