

# Mapping



Provides order level fulfillment and tracking

## Overview

Some manufacturing industries such as semiconductor, PCB and SMT, require that the system keeps track of units inside a two-dimensional surface. In some cases, the surface is divided into uniform regular rectangles in the form of a matrix while in other cases the shape, position, and orientation of each unit within the two-dimensional space can be very different.

The Mapping module provides support for two-dimensional structures that can be linked and integrated with material tracking for the purposes of tracking quantities, defects, or other sub-material level properties.

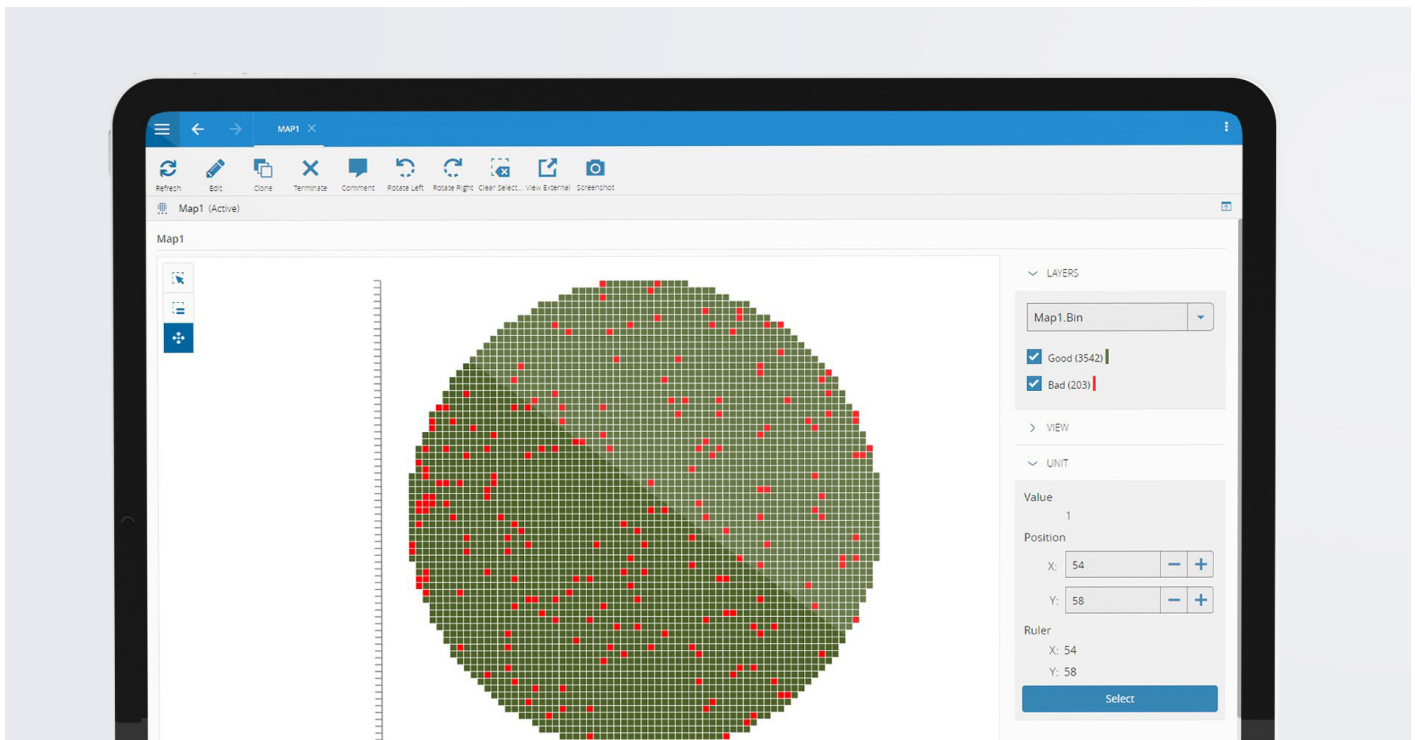


Figure 1 Map viewer example (regular map)

## Key Features

- Support for multiple Map Definitions that act as templates from which maps can be created.
- Support for regular and irregular layout (with different shapes, sizes and orientations) map structures.
- Support for multiple layers per map and multiple maps per material.
- Support for map regions.
- Native support for SEMI G85 map structures.
- Interactive visualization of maps, including zoom, rotation, and filters.
- Support for automatic merge of multiple maps into a master map.
- Support for merged maps, in which a master map aggregates the results of multiple individual maps.
- Native integration with Material Tracking so that when recording losses in the map, the Material quantity is automatically synchronized.
- Native support for SEMI G85 and E142 map structures
- Capability to convert E142 bin codes when downloading to or uploading from equipment

## Benefits

- Spatial tracking of units, including their defects

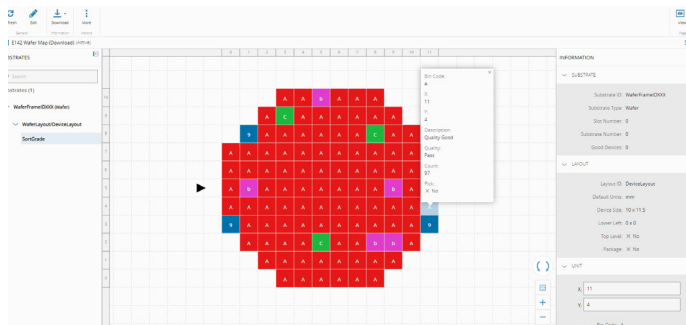


Figure 2 E142 map structure support

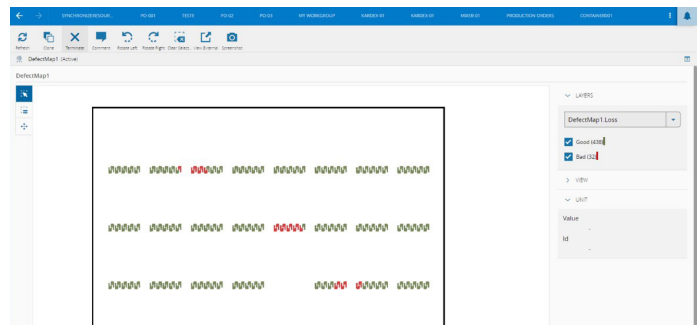


Figure 3 Map viewer example (irregular map)