



## Features

- Intuitive MCU selection
- Automatic pinout configuration
- Easy GPIO configuration
  - I/O or peripheral alternate function
  - Code generation
- Efficient constraint solver to match your application requests

## Description

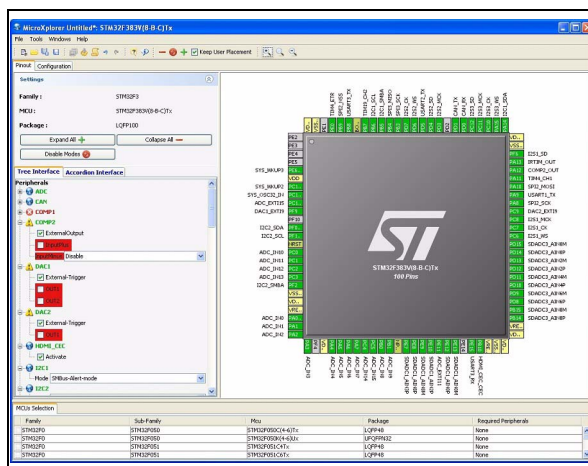
MicroXplorer is a graphical tool enabling users to configure an STM32 MCU very easily and generate the corresponding initialization code.

In a first step, MicroXplorer helps find the STM32s in the ST portfolio that feature the required peripherals.

In a second step, by selecting the operating mode of each peripheral, MicroXplorer assigns the pins needed for the peripheral in that operating mode.

In a third step users can configure the GPIOs (input, output or peripheral alternate function) to prepare for code generation.

Finally, the tool automatically generates the initialization code and a skeleton main. This code can be customized to match the application needs. Further code generation on the same file will keep the user changes.



MicroXplorer provides two viewing modes for performing the microcontroller configuration: Peripherals Panel for selecting the operating mode of each peripheral and Chip View for advanced users to force the mapping of a function of a peripheral to one physical pin.

A powerful constraint solver ensures that the selected pinout is compatible with the MCU and displays all available peripherals and the available modes of each peripheral. It can dynamically reassign pin functions to allow more peripherals to be selected.

## Ordering Information

MicroXplorer is available for free download from STMicroelectronics.

# 1 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
14-Mar-2011	1	Initial release.
09-Jun-2011	2	Corrected order code in <a href="#">Table 1</a> .
04-Feb-2013	3	Modified screenshot, <a href="#">Features</a> , <a href="#">Description</a> . Deleted <a href="#">Table 1</a> . Added <a href="#">Ordering Information</a> .

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