



Introduction

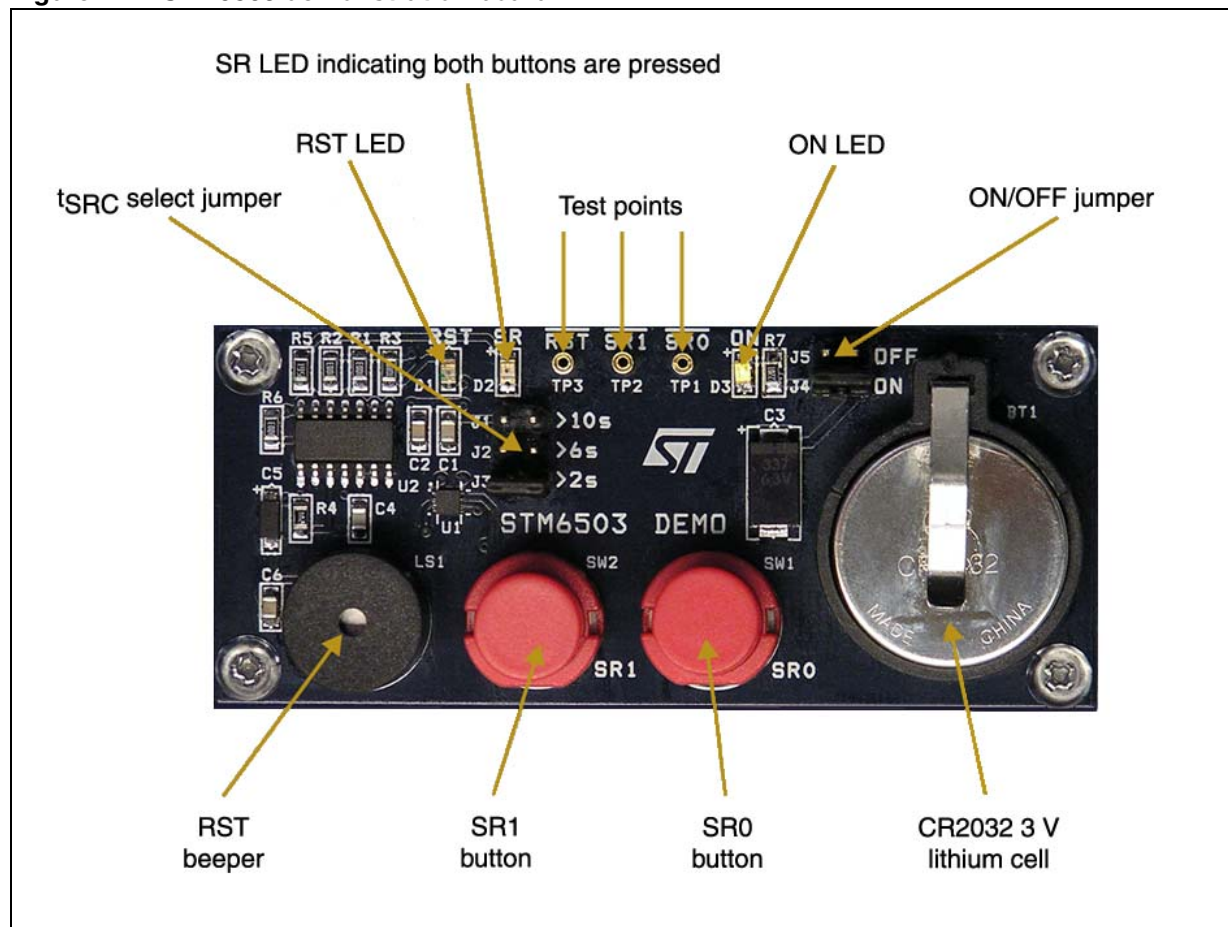
This board allows functional demonstration and basic evaluation of STM6503 features:

- Power-on reset
- Programmable t_{SRC} delay (tristate input)
- Smart Reset™ function

In addition, the board is equipped with test points allowing access to the most important signals ($\overline{SR0}$, $\overline{SR1}$, $\overline{RST}$), so that it can serve as an evaluation board at the same time.

Description

Figure 1. STM6503 demonstration board



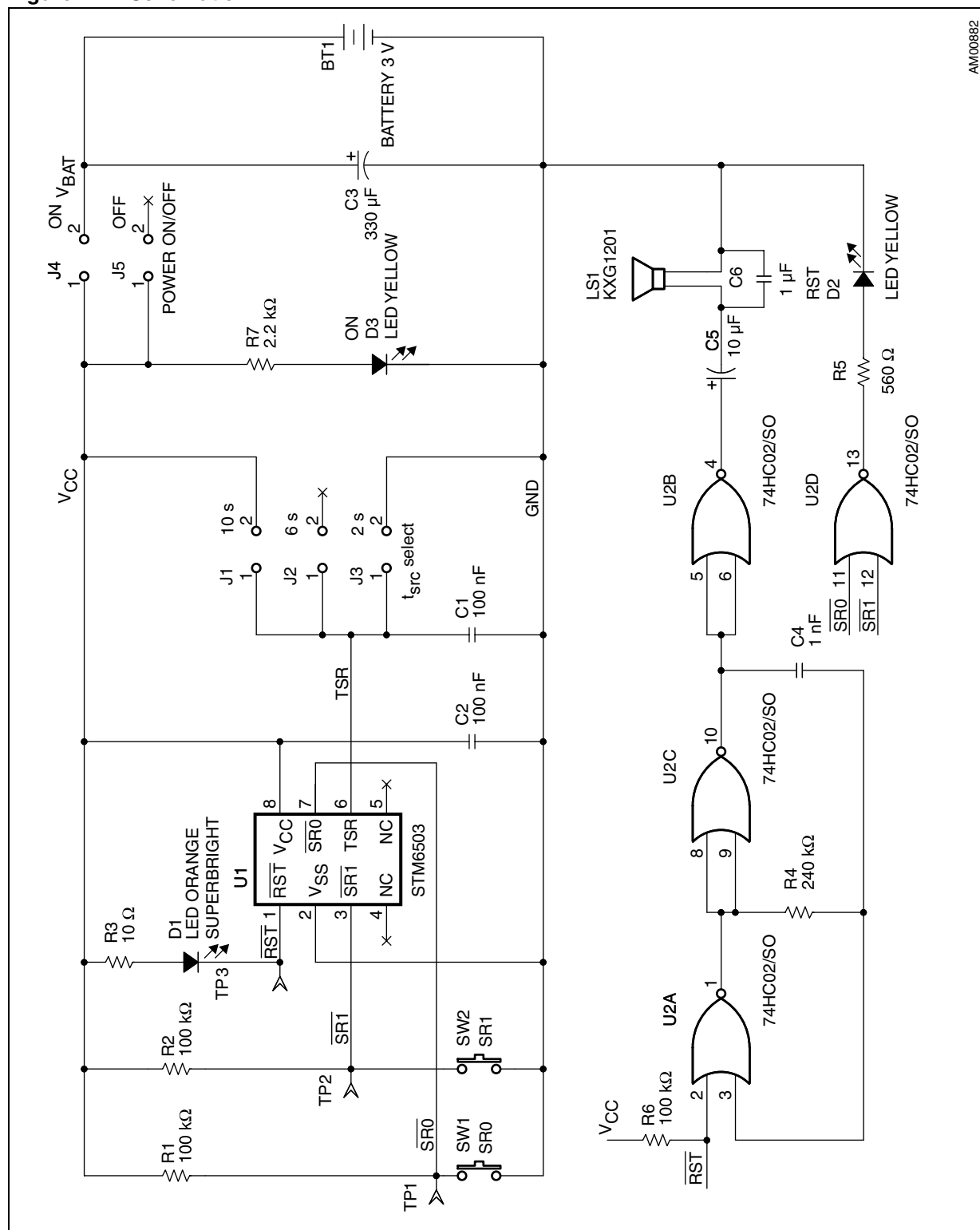
Operating the board

Place the ON/OFF jumper cap to ON position to turn on the demonstration board. A short beep and RST LED flash indicates the power-on reset. ON state is indicated by ON LED. Its brightness was intentionally set to low level to prolong the battery life (in fact, this LED consumes about 95% of total power consumption).

Press and hold both buttons to trigger the Smart Reset™ function. This is indicated by the SR LED which is ON as long as both buttons are pressed. Reset occurs after the t_{SRC} delay elapses and is indicated by short beep and the RST LED flash. The t_{SRC} reset delay can be set by the jumper. Available options are: 2 s min., 6 s min., 10 s min.

After use, please turn the demonstration board off to save the battery.

Figure 2. Schematic



Revision history

Table 1. Document revision history

Date	Revision	Changes
17-Jan-2013	1	Initial release.

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