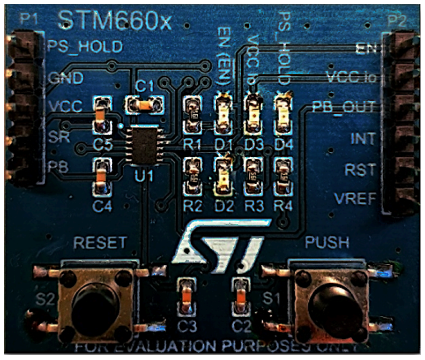
STDES-STM660

Data brief

Smart reset and power-on reference design based on STM6601



Fully assembled board developed for performance evaluation only, not available for sale

Product summary	
Smart Reset and power-on based on STM6601	STDES-STM660
Smart push-button on/off controller with smart reset and power-on lockout	STM6601CM2DDM6F
Applications	DC-DC Converters

Features

- Equipped with the STM6600/STM6601 smart reset and power-on lockout device
- Two separate buttons for the smart reset control
- Precise 1.5 V voltage reference
- Secure startup, interrupt, smart reset, or power-down driven by a push-button
- Indication LEDs for the main signals
- Two pin headers with all possible input and output signals of the STM6601
- RoHS compliant

Description

The STDES-STM660 reference design is instrumental to the development of secure startup, run, power-down, and reset of user applications.

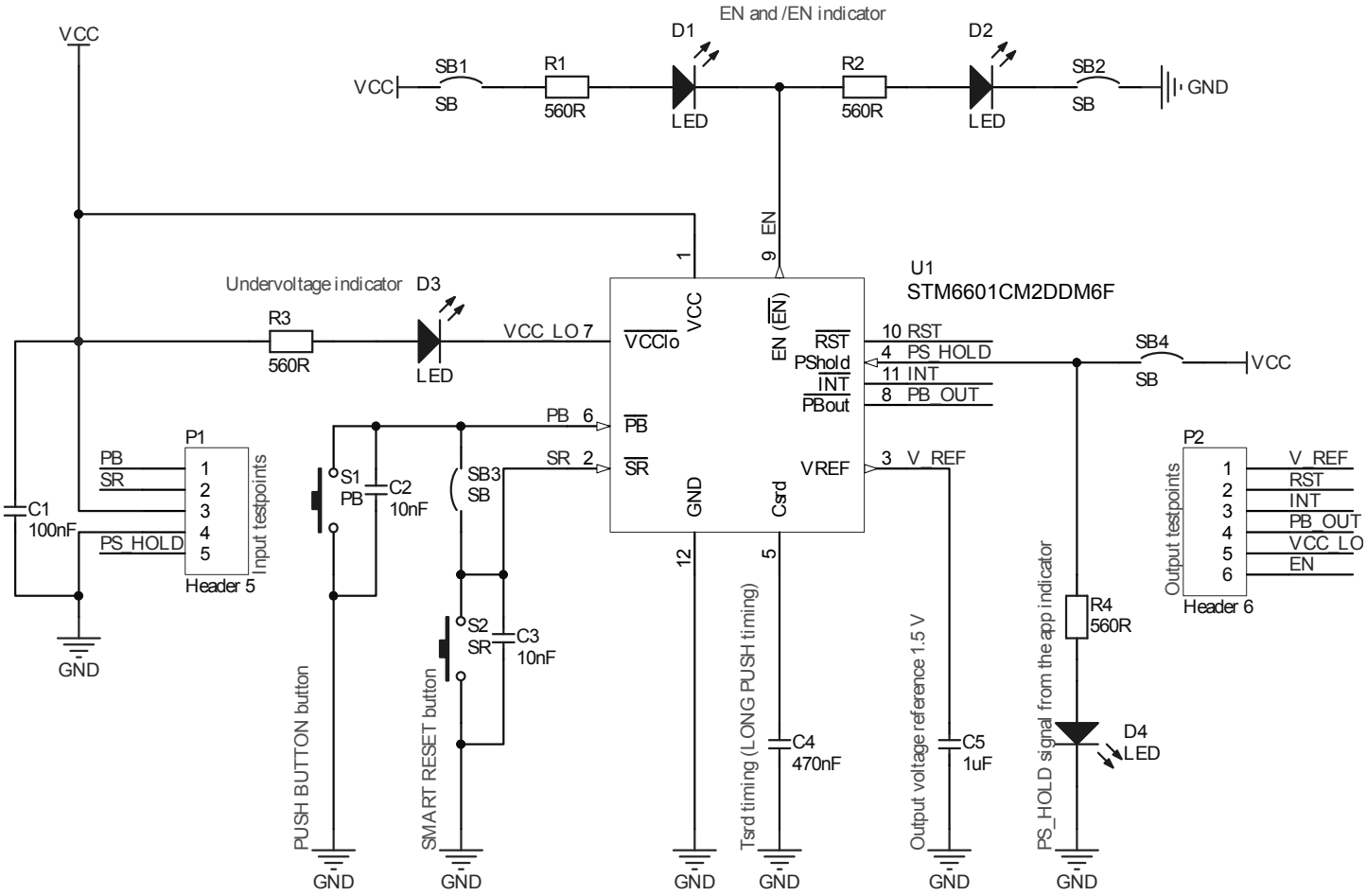
The main component is an STM6601, the smart push-button on/off controller with smart reset and power-on lockout.

STM6601 monitors the state of the connected push-buttons as well as the sufficient supply voltage. Thanks to the EN signal, it can control the power through the additional MOSFET transistor and the DC-DC converter or regulator.

Input and output pin headers contain all possible input and output signals of an STM6601 for the connection with the user application, and the power supply that should be controlled. The reference design also features an output pin with a precise 1.5 V voltage reference.

1 Schematic diagrams

Figure 1. STDES-STM660 circuit schematic



Revision history

Table 1. **Document revision history**

Date	Revision	Changes
06-Dec-2022	1	Initial release.