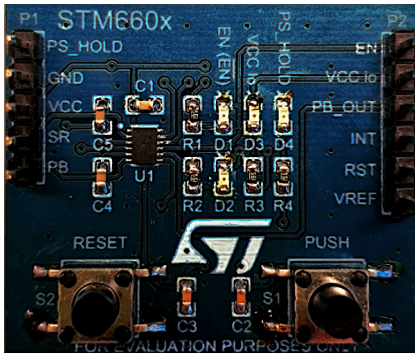


## Smart reset and power-on reference design based on STM6601



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

### 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.

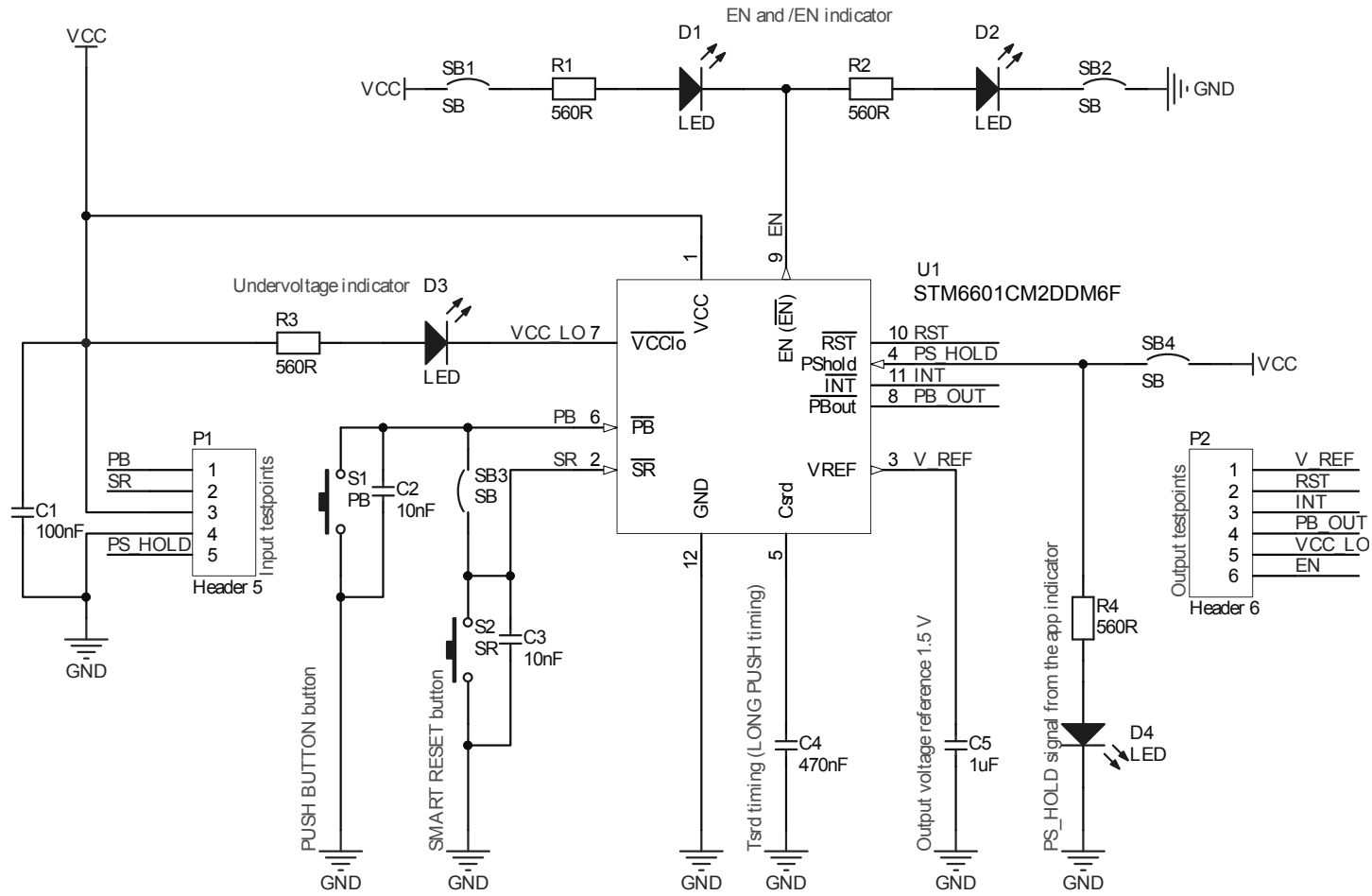
[STM6601](#) monitors the state of the connected push-buttons as well as the sufficient supply voltage. Thanks to the EN signal, it can control the power through the additional MOSFET transistor and the DC-DC converter or regulator.

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.

| Product summary   |                                  |
|---|----------------------------------|
| Smart Reset and power-on based on STM6601                                 | <a href="#">STDES-STM660</a>     |
| Smart push-button on/off controller with smart reset and power-on lockout | <a href="#">STM6601CM2DDM6F</a>  |
| Applications  | <a href="#">DC-DC Converters</a> |

# 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. |

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