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## STEVAL-IHI002V1

### User interface for home appliance / S-Touch™ daughter demonstration board

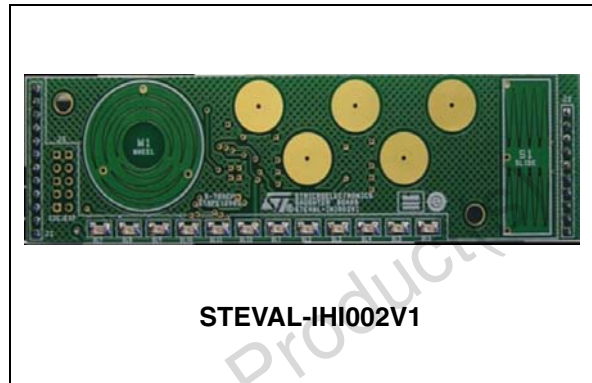
Data Brief

#### Features

- 12-bit GPIO device with additional 12-channel capacitive sensing sensors
- Interface with MCU through I<sup>2</sup>C bus.
- Fast and accurate results at very low power consumption

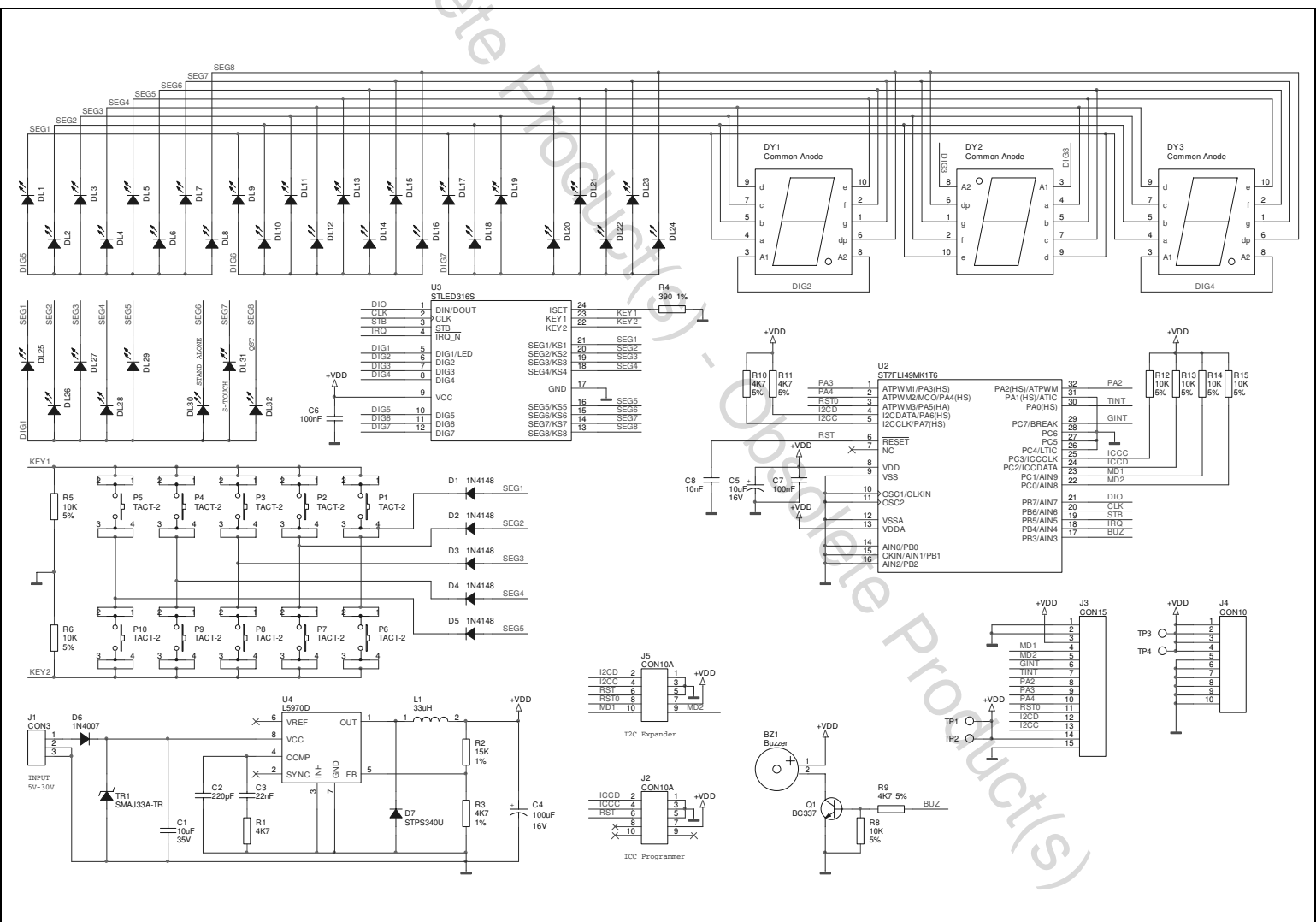
#### Description

This demonstration board is designed to modernize or even fully replace a mechanic keyboard. The demonstration board is based on the STMPE1208S device, a 12-bit GPIO expander with an additional 12-channel capacitive sensing sensor, which is able to interface a main MCU through I<sup>2</sup>C bus. The demonstration board is designed to work as a daughter board for the STEVAL-IHI001V1 (washing machine user interface). Once plugged in, the STEVAL-IHI002V1 is automatically detected by the mother board, replacing the mechanic keys by a wheel, a slider and 5 buttons.



# 1 Circuit schematic

Figure 1. Schematic



## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
21-Nov-2008	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

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