



STEVAL-IHI002V1

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

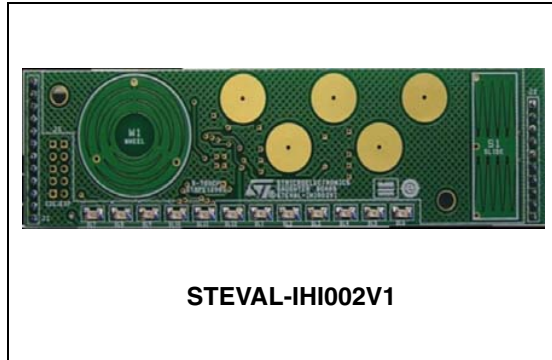
Data Brief

Features

- 12-bit GPIO device with additional 12-channel capacitive sensing sensors
- Interface with MCU through I²C bus.
- Fast and accurate results at very low power consumption

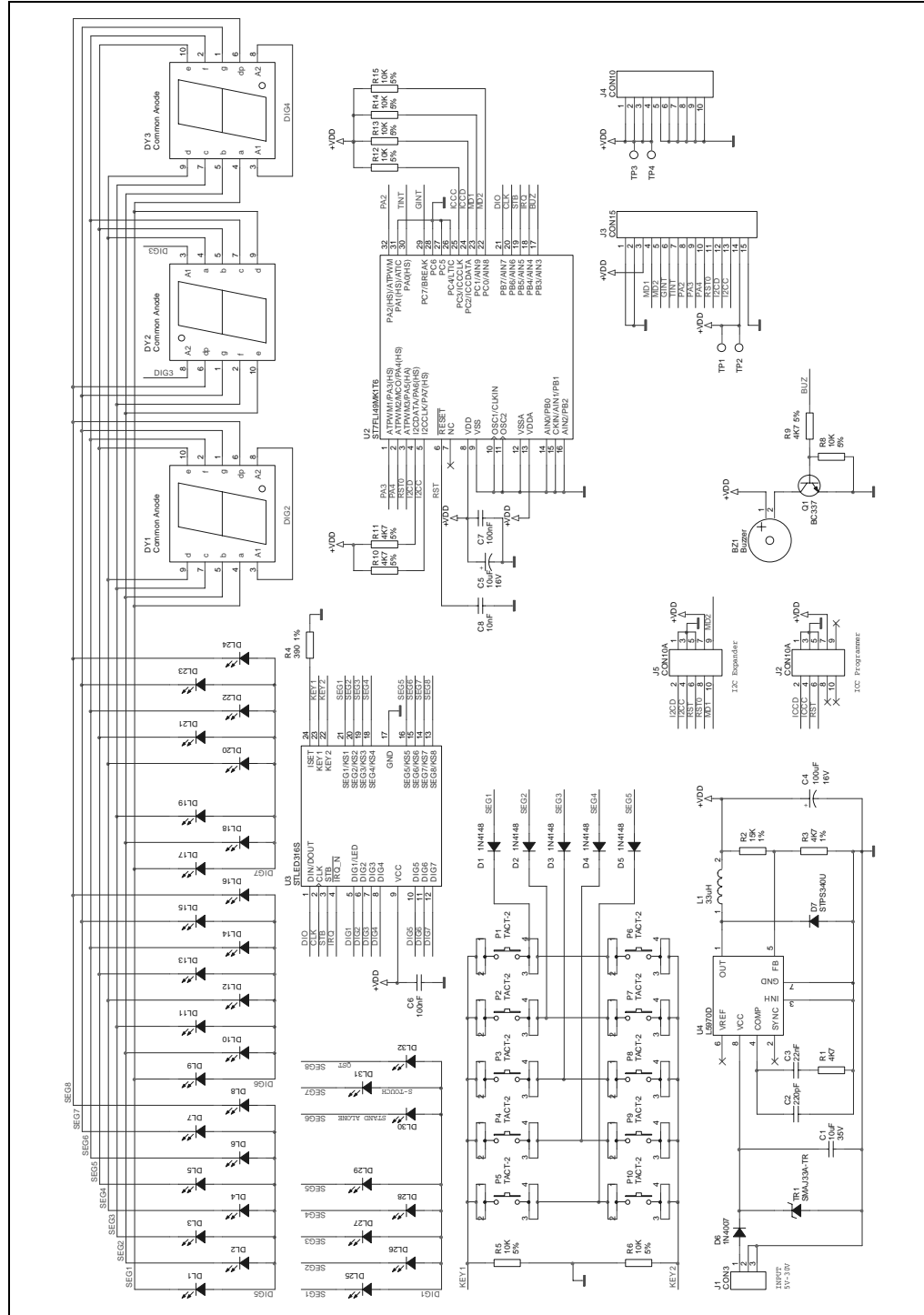
Description

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 I²C 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.

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