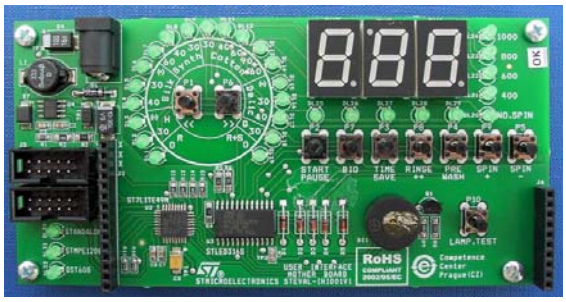
STEVAL-IHI001V1

Demonstration board for washing machine user interface based on the ST7LITE49M and STLED316S

Data Brief

Features

- 8-bit ST7Lite49M MCU with I²C bus
- STLED316S LED driver with key-scan
- 3 displays and 32 LEDs as graphic interface
- ICC connector and extra I²C bus connector
- Wheel with 19 different washing programs
- Powered directly from an AC notebook computer power supply
- Additional program settings and adjustable spin speed
- Adjustable LED brightness and lamp-test button
- Fully stand-alone washing machine-like simulation
- Connector to plug a daughter board (with automatic detection)



STEVAL-IHI001V1

Description

The STEVAL-IHI001V1 is a demonstration board designed to simulate the user interface of a modern washing machine.

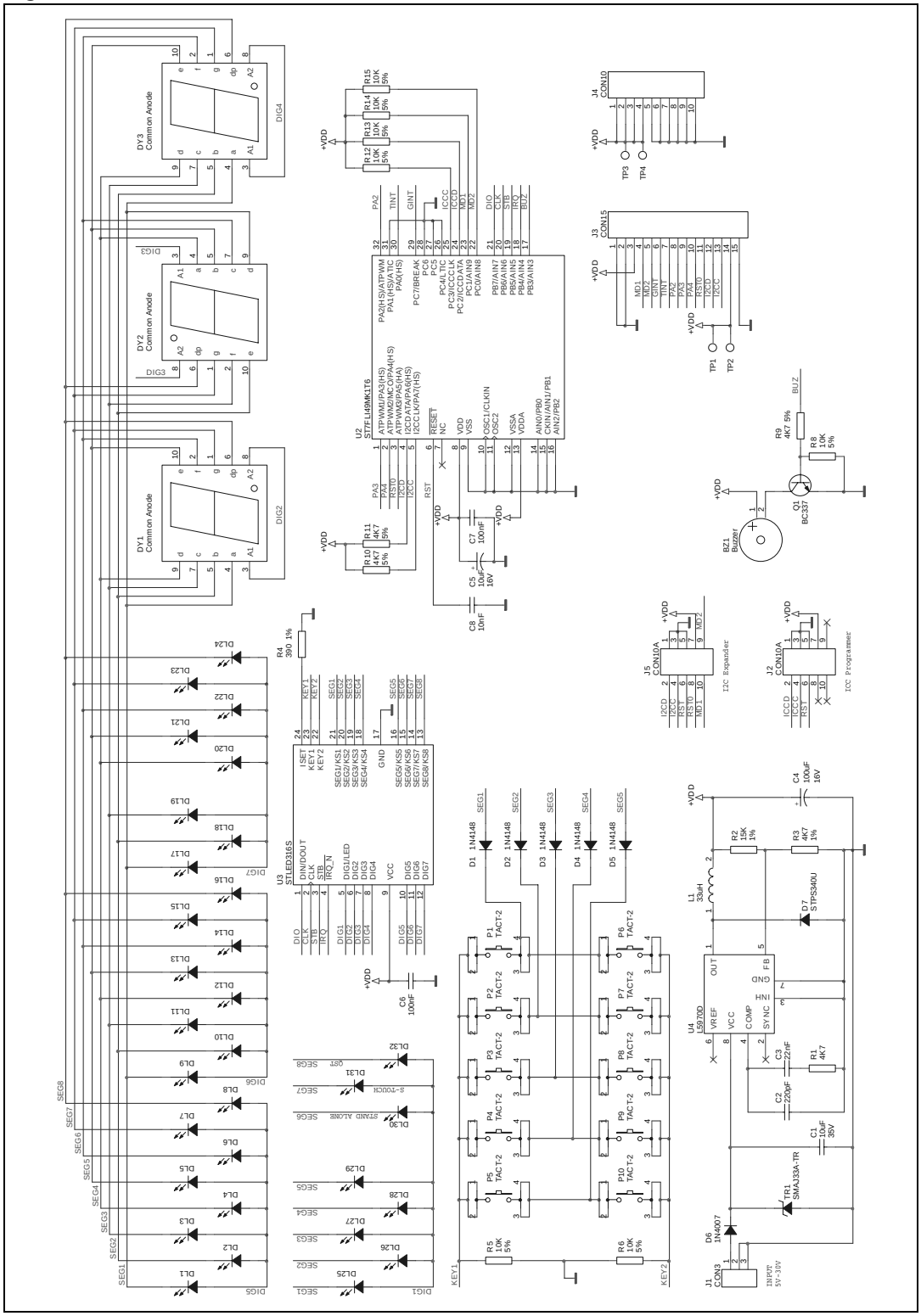
The board is based on the low-cost 8-bit ST7LITE49M microcontroller equipped with an I²C bus interface, and the STLED316S serial interfaced 6-digit LED controller with key-scan.

The demonstration board is designed to work as a stand-alone application, or as a motherboard for the STEVAL-IHI002V1 daughter board, which features the STMPE1208S capacitive sensing device and can be plugged into the STEVAL-IHI001V1 to operate as a capacitive single touch keyboard.

For further information contact your local STMicroelectronics sales office. www.st.com

1 Circuit schematic

Figure 1. Schematic



2 Revision history

Table 1. Document revision history

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

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