

# ST623X-KIT

## STARTER KIT FOR ST6230 and ST6232 MCUs

### HARDWARE FEATURES

- Immediate evaluation of ST6230 and ST6232 devices, with stand-alone demonstration routines.
- Simulation and debugging within the user's real application environment.
- In-socket programming of all OTP and EPROM ST6230 (DIP28) and ST6232 (SDIP42) devices.
- In-circuit programming of all OTP and EPROM ST6230 and ST6232 devices directly on the user's application board (all packages).

#### SOFTWARE FEATURES

- Software simulation, including I/O read/write.
- Assembler, Linker and Simulator.
- In-socket OTP and EPROM programming utilities.
- In-circuit OTP and EPROM programming utilities
- Application examples and demonstrations



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#### The Starter Kit Board

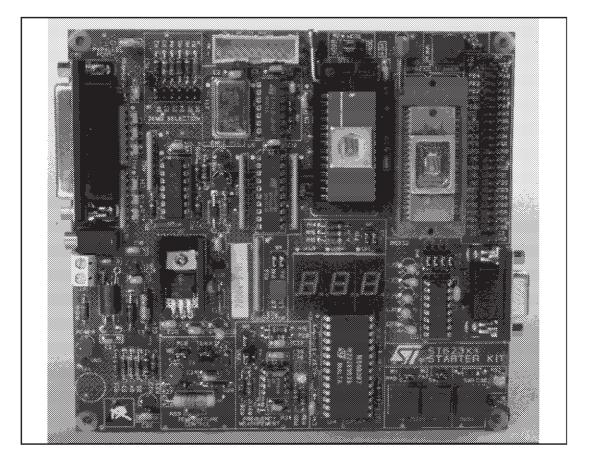
The Starter Kit board includes the following resources:

- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Temperature control circuit.
- RS-232 interface.
- Demonstration program selector jumpers.
- Three 7-segment displays.
- A voltage control oscillator.

It comes with its own power supply unit that can be plugged into an AC mains source, or a DC source with the following characteristics: Voltage: 16V min./20V max., Current: 100 mA min.

It includes the following connectors:

- A parallel port connector (P1) for connection to the host PC when it is used as a hardware simulator or for programming.
- A remote resource I/O interface connector (J2) to which you can connect your own hardware resource.
- An RS-232 connector, which you can use for observing RS-232 communication control using an ST6.
- A connector for your own in-circuit ST6 programming board.



The following diagram shows the layout of the Starter Kit board.

- 1 In-circuit programming connector (J1).
- 2 Demonstration routine selector.
- 3 8 Mhz oscillator.
- 4 PC connector P1.
- 5 LEDs.
- 6 Voltage control oscillator.
- 7 Power supply JACK connector J3.
- 8 Heater resistor LED indicator LD4.
- 9 Power supply LED indicator LD5.
- 10 Heater resistor.

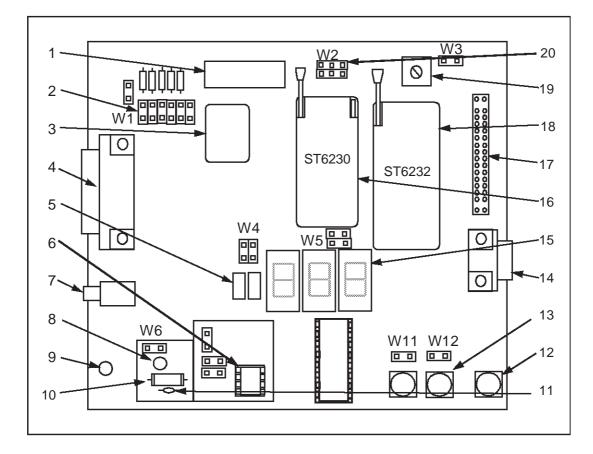
11

18

12 RESET button.

Thermistor.

- 13 "+" and "-" buttons.
- 14 RS232 interface circuit and connector.
- 15 7-segment displays.
- 16 DIP 28 ZIF MCU socket.
- 17 Remote resource I/O interface connector J2.
  - SDIP 42 ZIF MCU socket.
- 19 10 K $\Omega$  trimmer.
- 20 "Programming" or "User" operating mode selection jumpers W2.



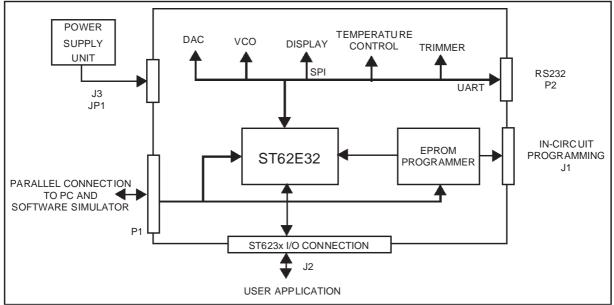


Figure 2. Block Diagram of the Starter Kit board

#### **ORDERING INFORMATION**

Sales Type	Description
ST623X-KIT/UK	Starter Kit for ST6230 and ST6232 MCUs for operation in United Kingdom
ST623X-KIT/110	Starter Kit for ST6230 and ST6232 MCUs for operation from 110 Vac mains
ST623X-KIT/220	Starter Kit for ST6230 and ST6232 MCUs for operation from 220 Vac mains

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