



## 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



## The Starter Kit Board

The Starter Kit board includes the following resources:

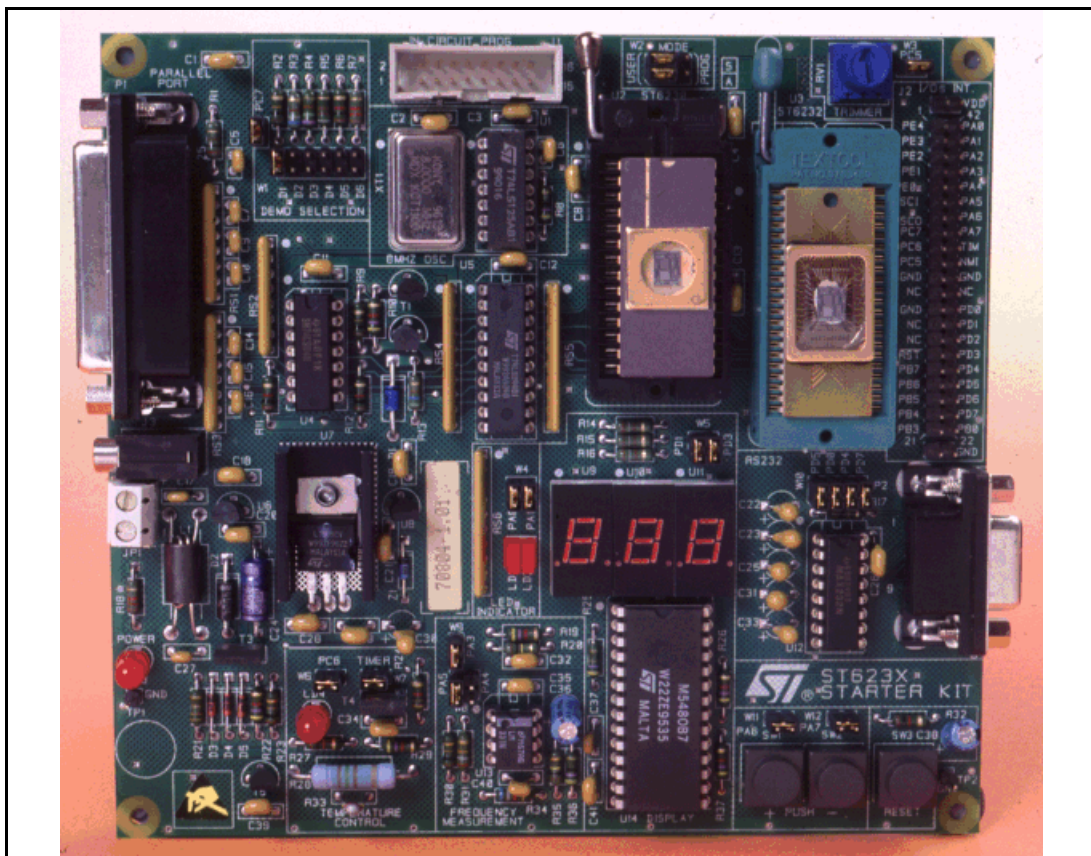
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Temperature control circuit.
- RS-232 interface.
- Demonstration program selector jumpers.
- Three 7-segment displays.
- A voltage control oscillator.

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). | 11 | Thermistor.  |
| 2  | Demonstration routine selector.        | 12 | RESET button.  |
| 3  | 8 Mhz oscillator.                      | 13 | “+” and “-” buttons.   |
| 4  | PC connector P1.                       | 14 | RS232 interface circuit and connector.                       |
| 5  | LEDs.                                  | 15 | 7-segment displays.  |
| 6  | Voltage control oscillator.            | 16 | DIP 28 ZIF MCU socket.                                       |
| 7  | Power supply JACK connector J3.        | 17 | Remote resource I/O interface connector J2.                  |
| 8  | Heater resistor LED indicator LD4.     | 18 | SDIP 42 ZIF MCU socket.                                      |
| 9  | Power supply LED indicator LD5.        | 19 | 10 K $\Omega$ trimmer.                                       |
| 10 | Heater resistor.                       | 20 | “Programming” or “User” operating mode selection jumpers W2. |

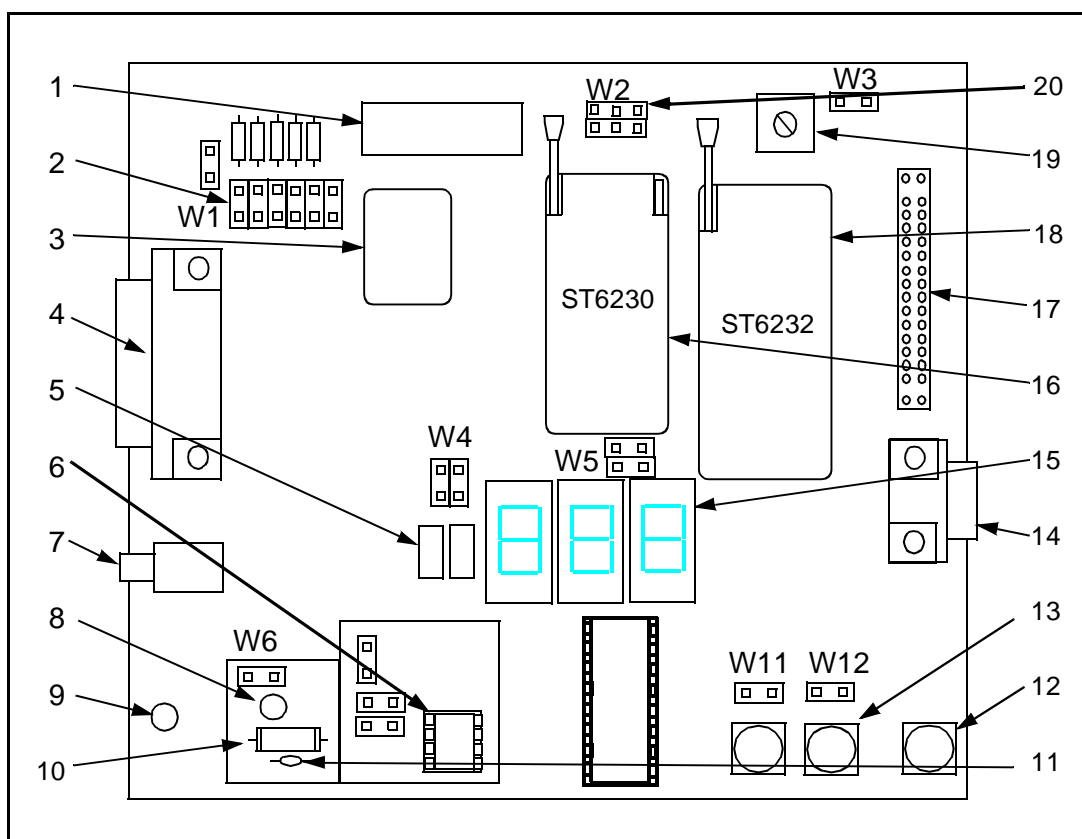
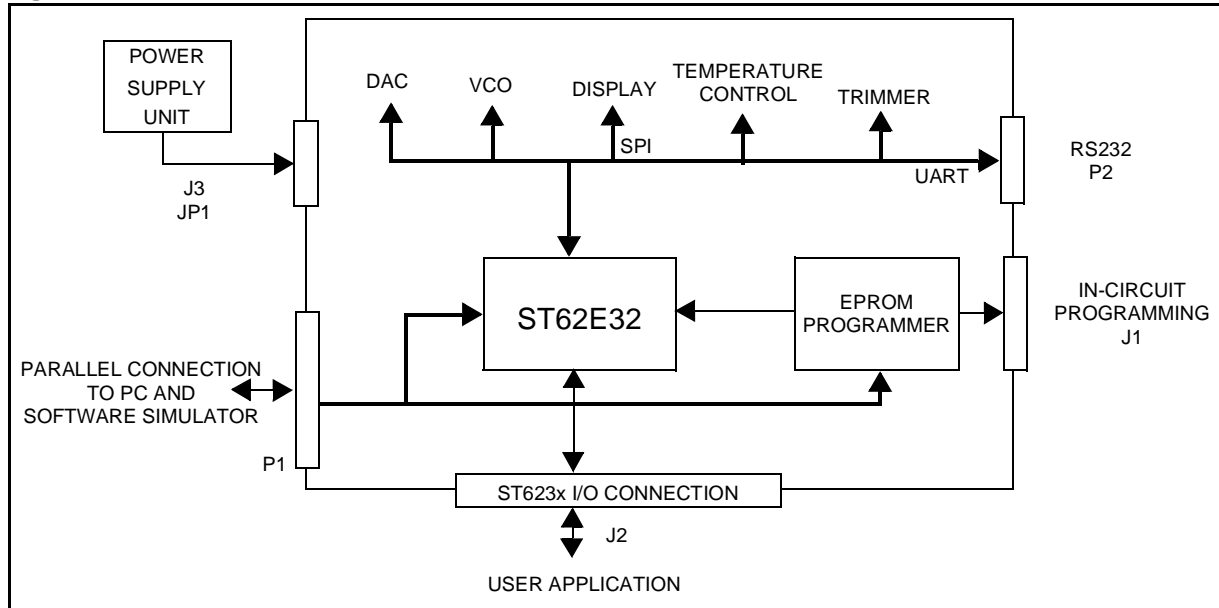


Figure 2. Block Diagram of the Starter Kit board



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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