



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:

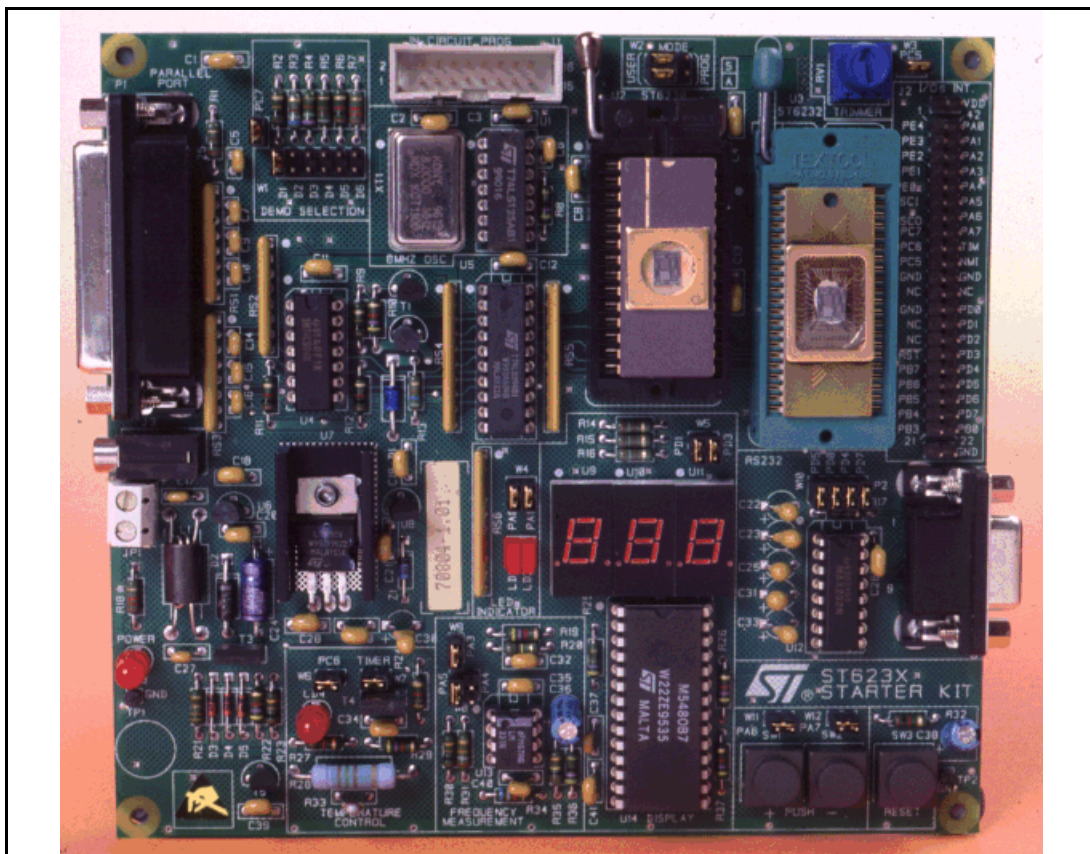
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Temperature control circuit.
- RS-232 interface.
- Demonstration program selector jumpers.
- Three 7-segment displays.
- A voltage control oscillator.

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 Ω trimmer. |
| 10 Heater resistor. | 20 "Programming" or "User" operating mode selection jumpers W2. |

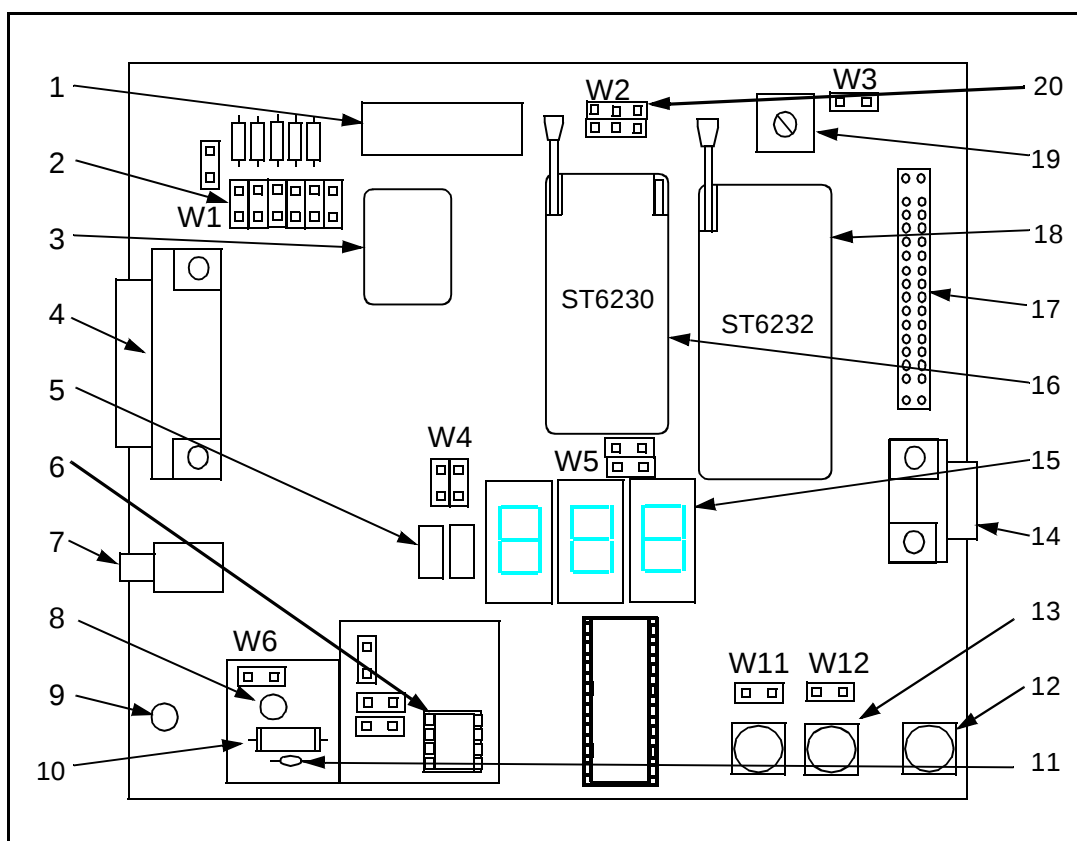
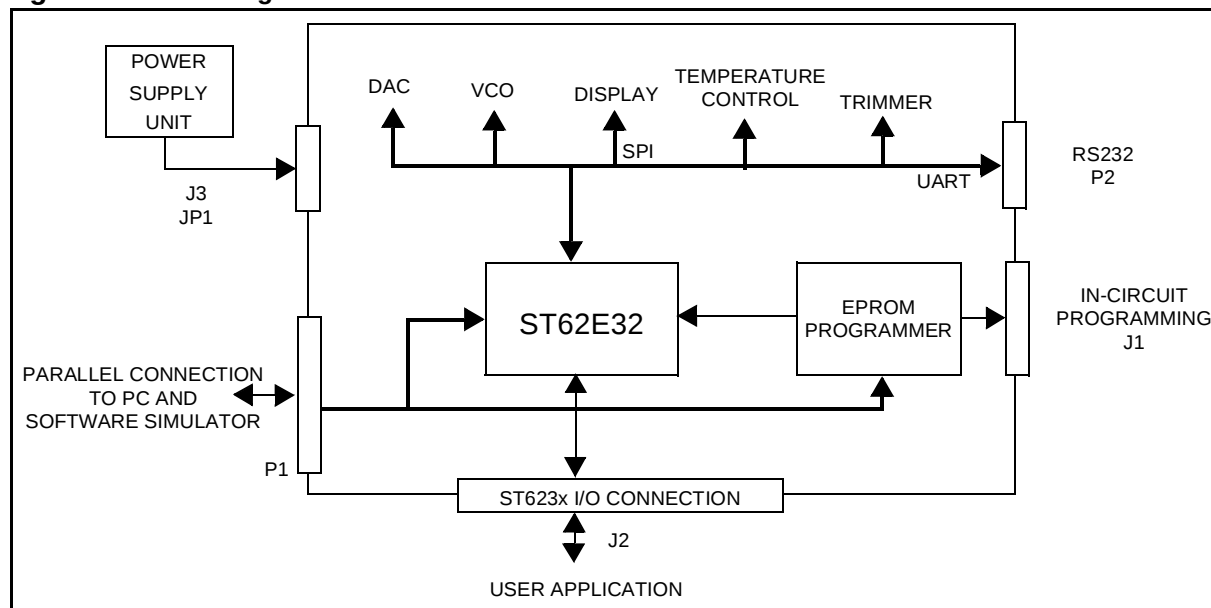


Figure 2. Block Diagram of the Starter Kit board



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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