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:

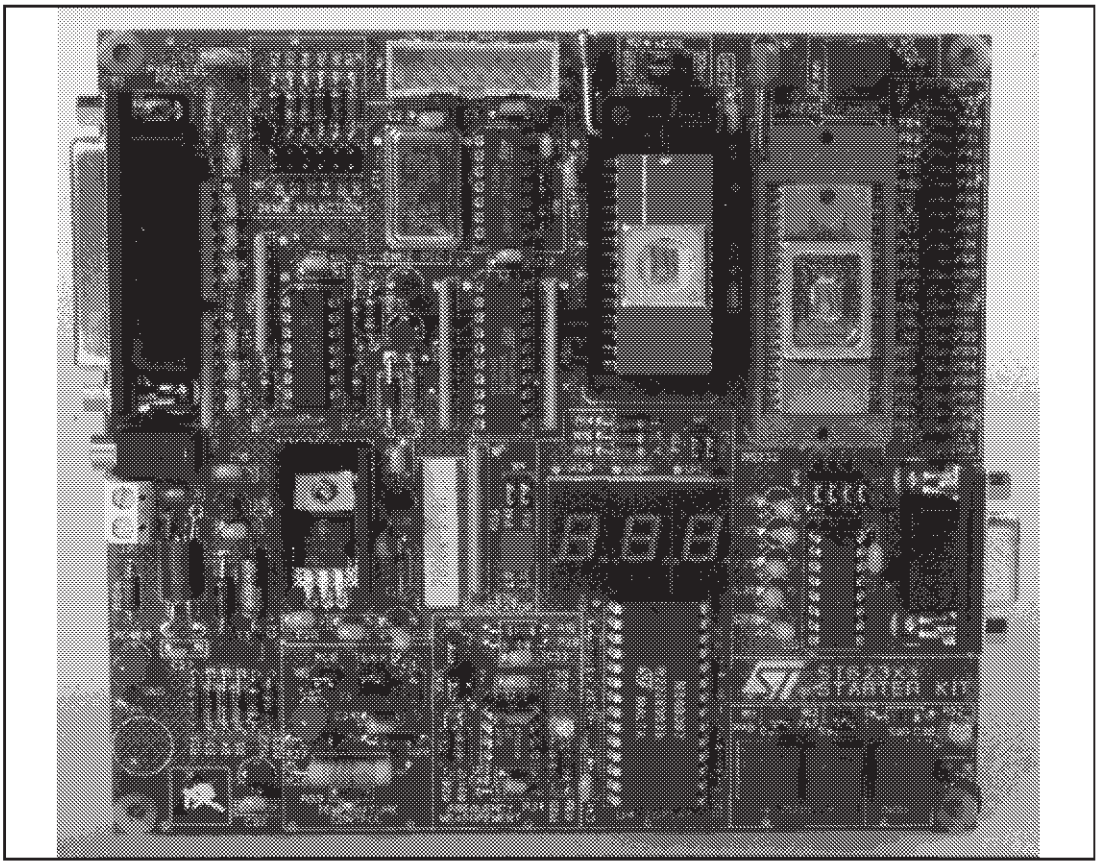
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Temperature control circuit.
- RS-232 interface.
- Demonstration program selector jumpers.
- Three 7-segment displays.
- A voltage control oscillator.

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 KΩ trimmer.
10	Heater resistor.	20	“Programming” or “User” operating mode selection jumpers W2.

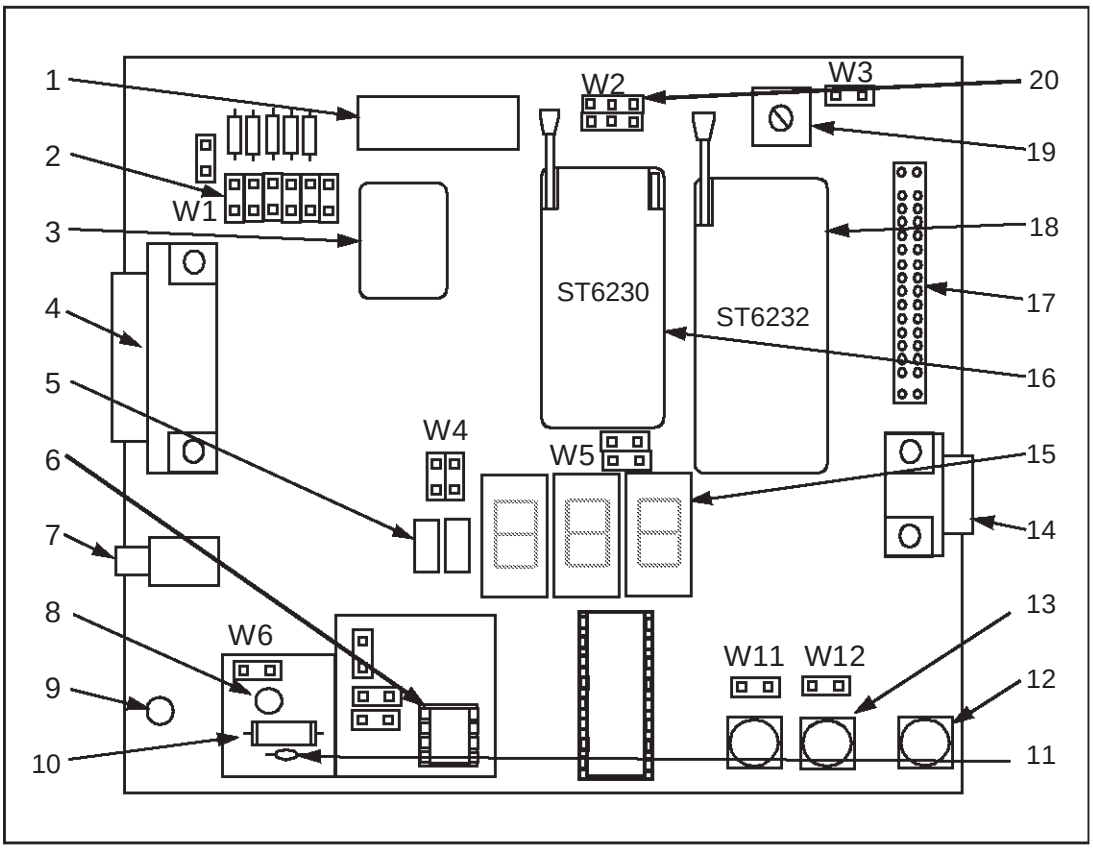
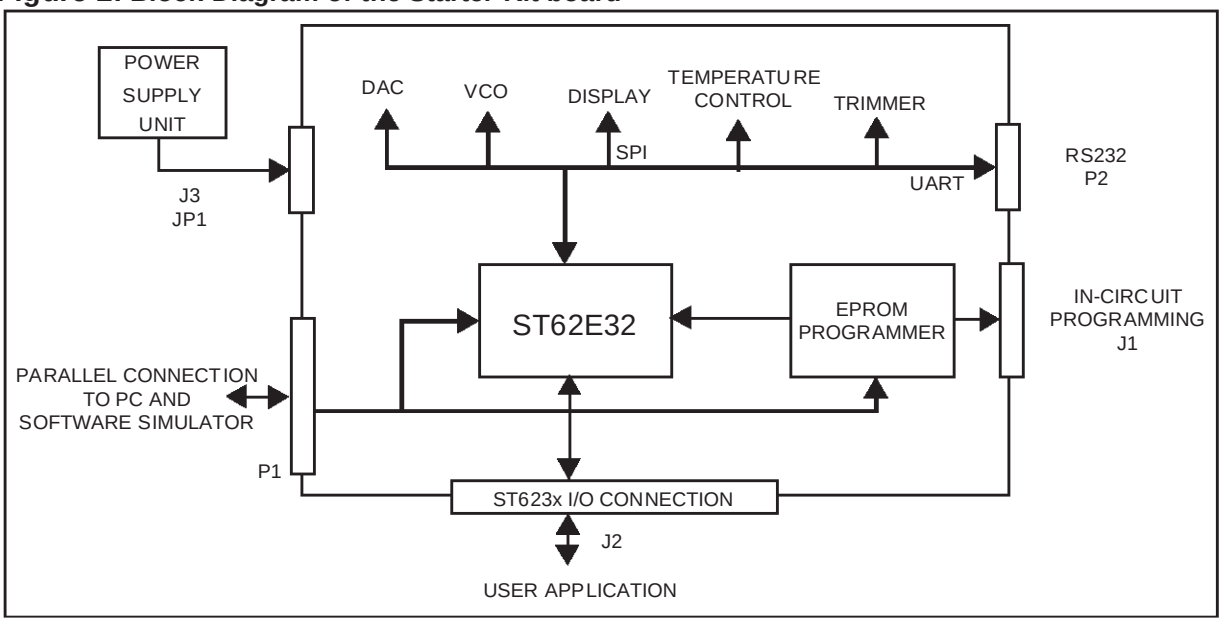


Figure 2. Block Diagram of the Starter Kit board



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