



## ST622XC-KIT

### STARTER KIT FOR ST620x, ST621x and ST622x MCUs

#### HARDWARE FEATURES

- Immediate evaluation of all ST620x, ST621x and ST622x devices, with stand-alone demonstration routines.
- Simulation and debugging within the user's real application environment.
- In-socket programming of all DIL OTP and EPROM ST620x, ST621x and ST622x devices.
- In-circuit programming of all DIL and SO OTP and EPROM ST620x, ST621x and ST622x devices directly on the user's application board.

#### SOFTWARE FEATURES

- Software simulation, including I/O read/write.
- Assembler, Linker and Debugger.
- 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 has the following resources:

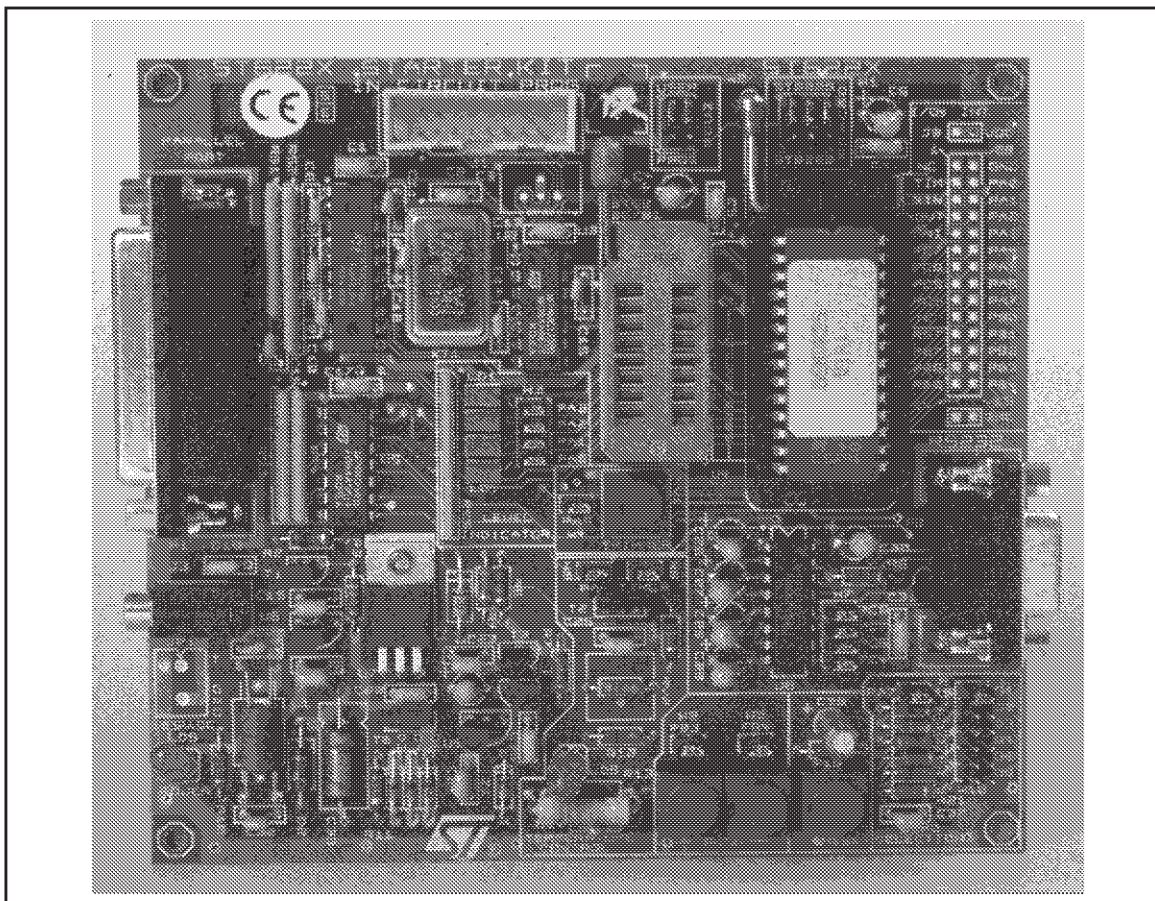
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Temperature control circuit.
- RS-232 interface.
- Demonstration program selector jumpers.

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 | RESET button.  |
| 2  | 8 Mhz oscillator.                      | 12 | Demonstration routine selector.                              |
| 3  | PC connector P1.                       | 13 | RS232 interface circuit and connector.                       |
| 4  | 4 LEDs.                                | 14 | 10 K $\Omega$ trimmer.                                       |
| 5  | Heater resistor LED indicator LD6.     | 15 | DIL 20-28 ZIF MCU socket.                                    |
| 6  | Power supply JACK connector J3.        | 16 | DIL 16 ZIF MCU socket.                                       |
| 7  | Heater resistor.                       | 17 | Remote resource I/O interface connector J2.                  |
| 8  | Power supply LED indicator LD5.        | 18 | "ST6220" or "ST6225" device selection jumpers W1.            |
| 9  | Thermistor.                            | 19 | "Programming" or "User" operating mode selection jumpers W2. |
| 10 | "+" and "-" buttons.                   |    |  |

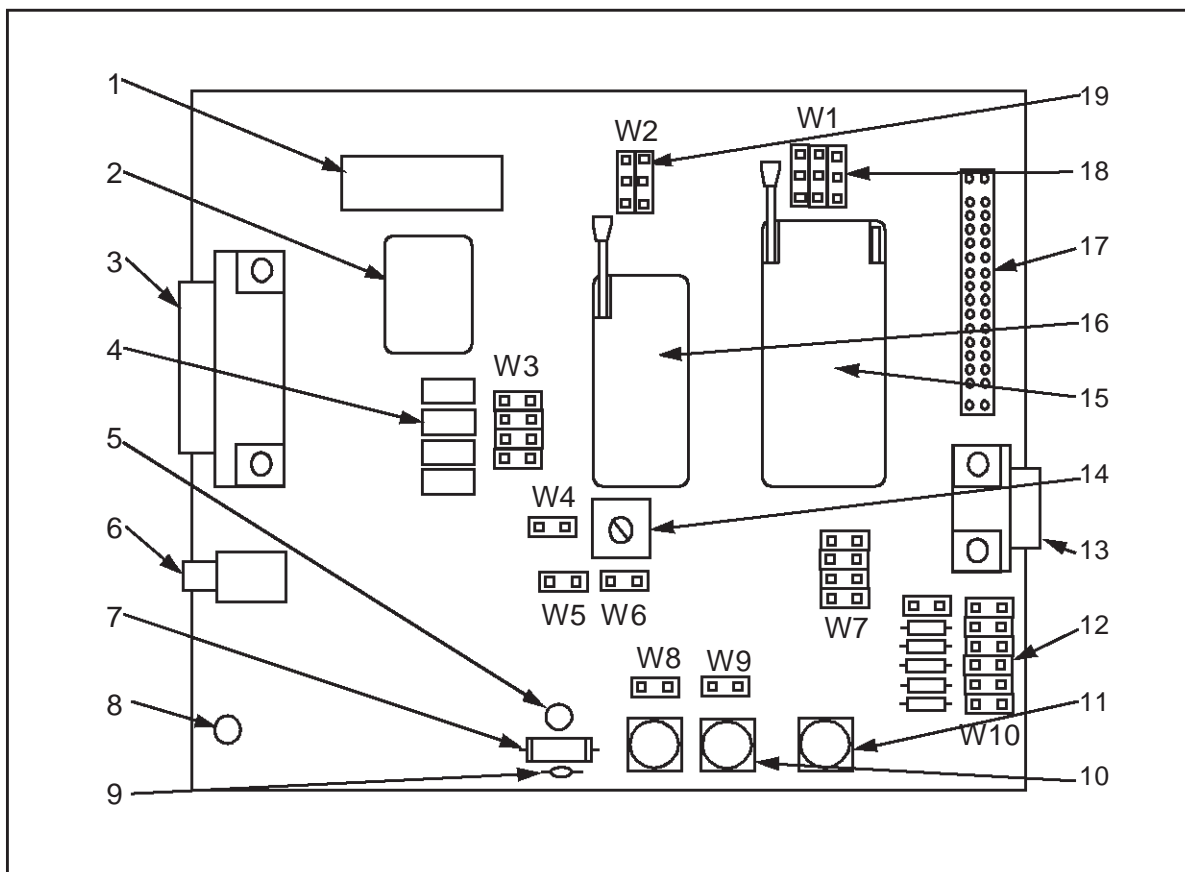
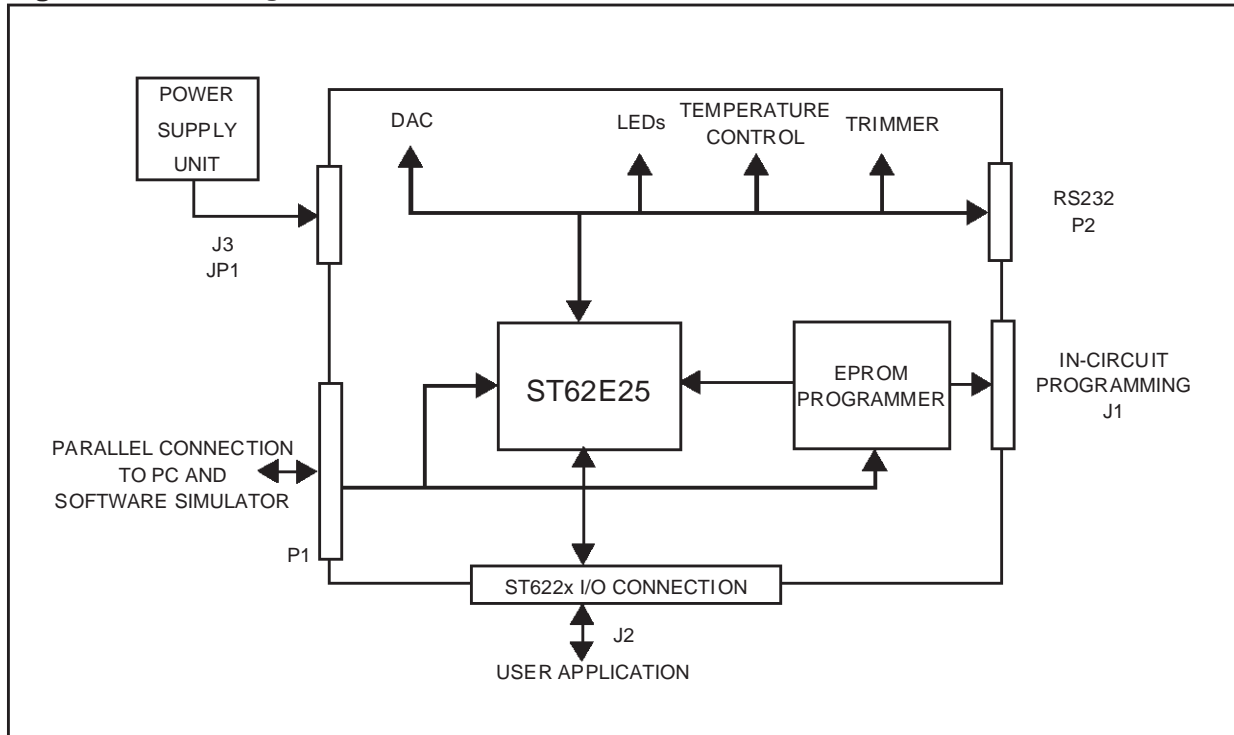


Figure 1. Block Diagram of the Starter Kit board



ORDERING INFORMATION

Sales Type	Description
ST622XC-KIT/UK	Starter Kit for ST620x; ST621x and ST622x MCUs for operation in United Kingdom
ST622XC-KIT/110	Starter Kit for ST620x; ST621x and ST622x MCUs for operation from 110 Vac mains
ST622XC-KIT/220	Starter Kit for ST620x; ST621x and ST622x MCUs for operation from 220 Vac mains

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