ST622XC-KIT

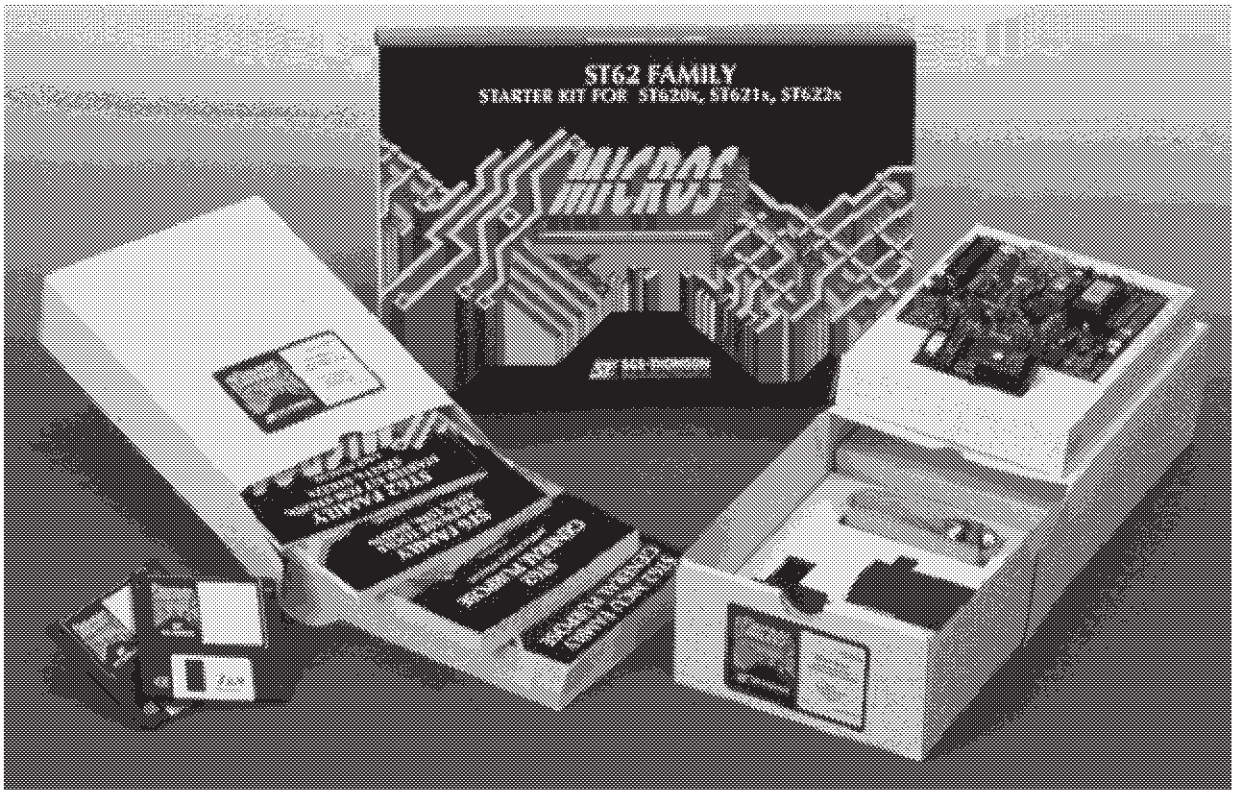
STARTER KIT
FOR ST620x, ST621x and ST622x MCUs

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:

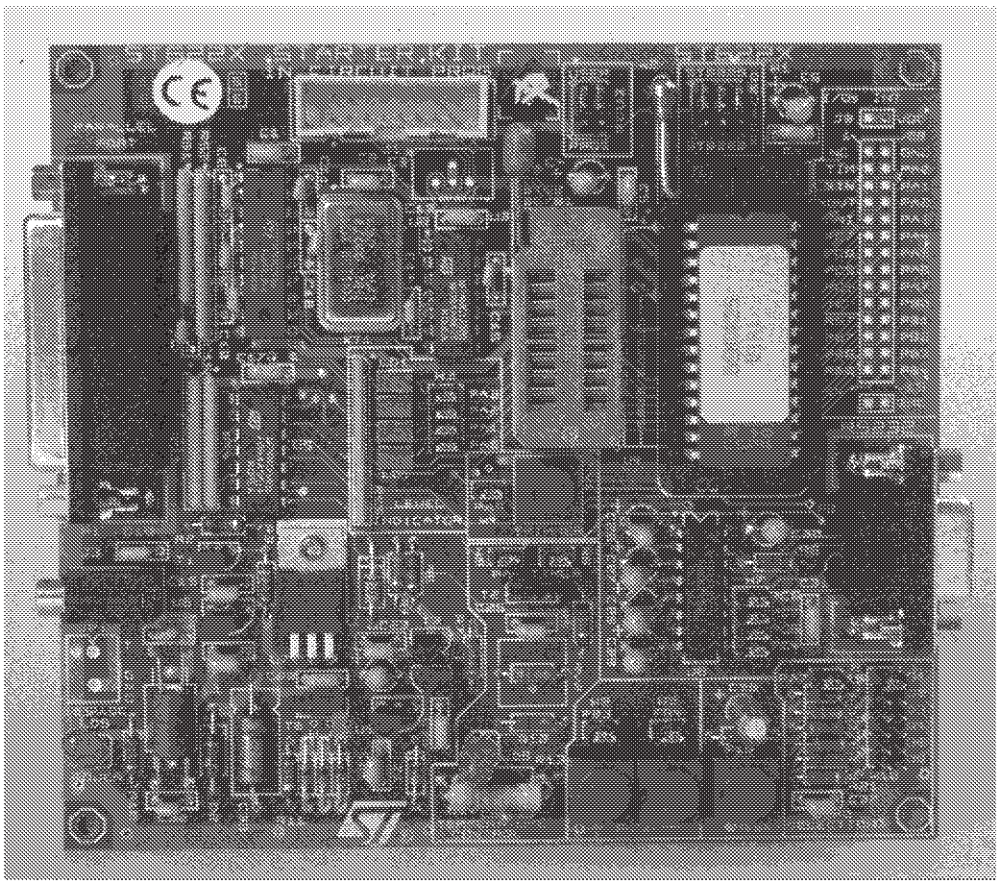
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Temperature control circuit.
- RS-232 interface.
- Demonstration program selector jumpers.

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

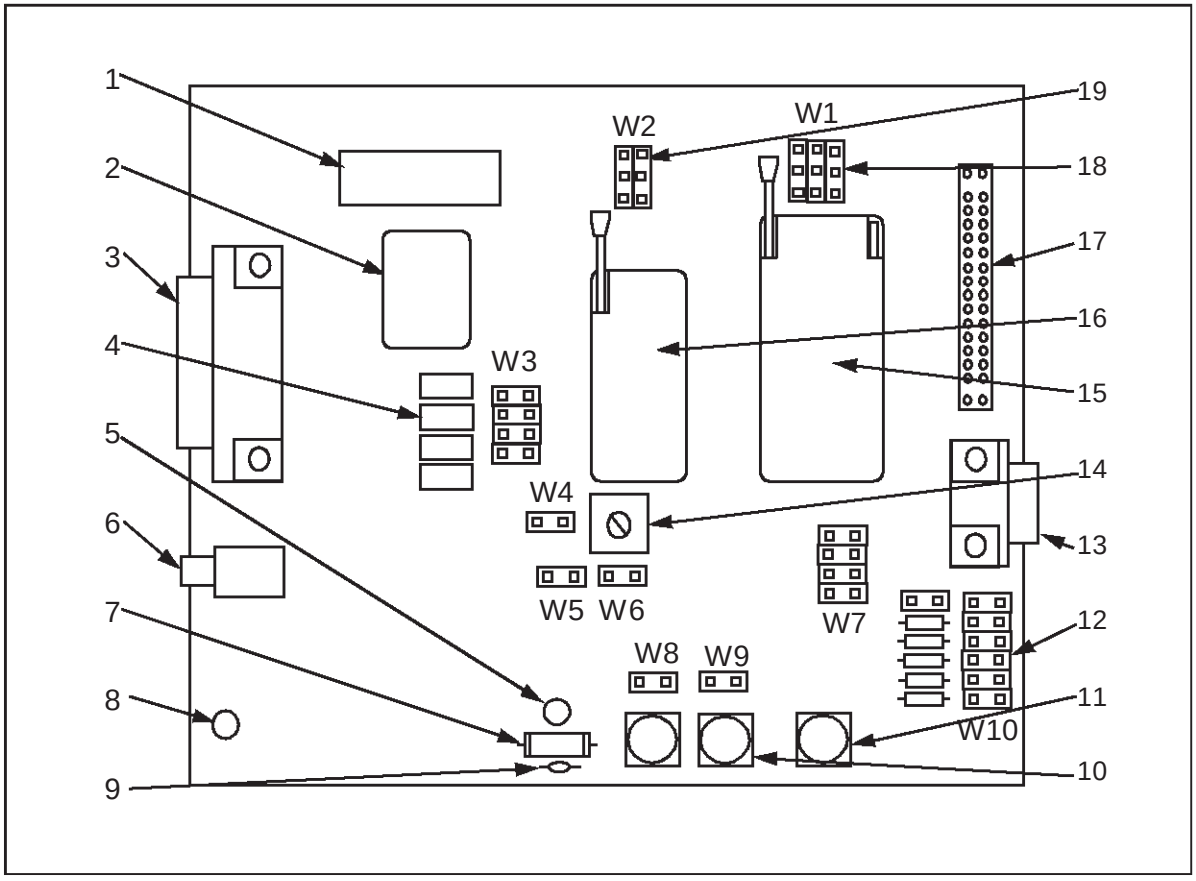
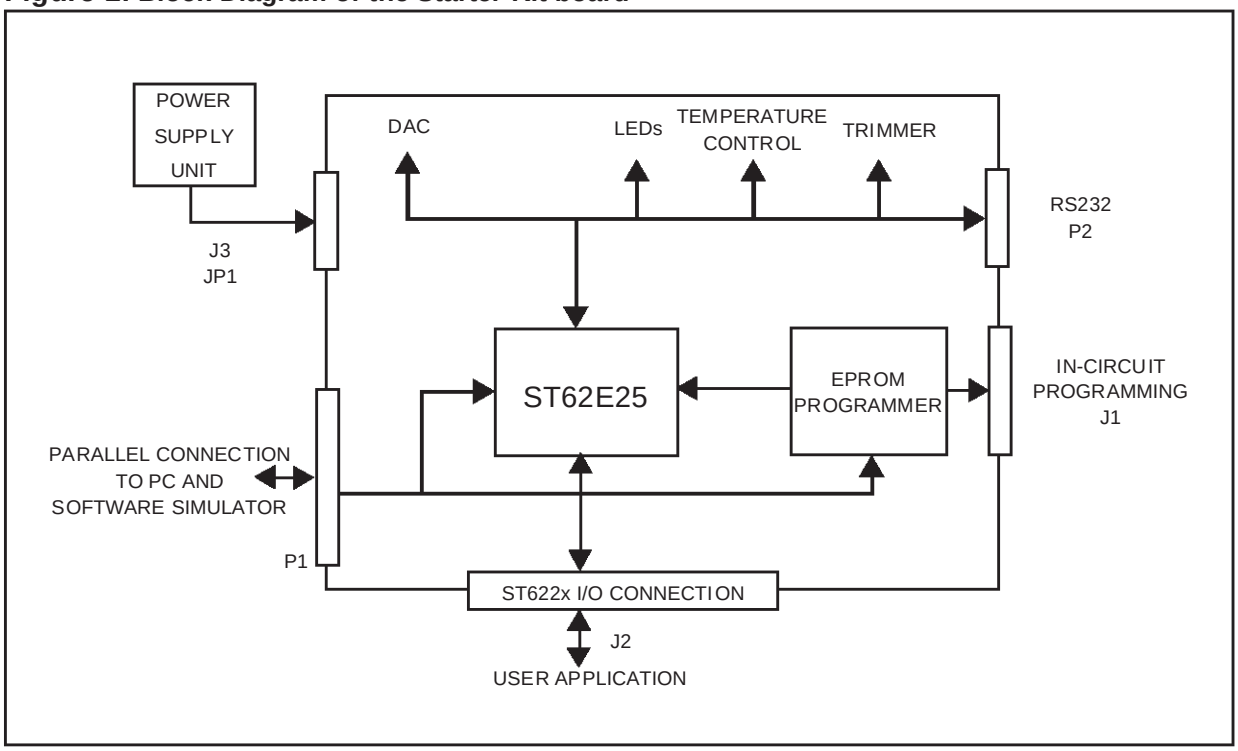


Figure 1. Block Diagram of the Starter Kit board



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