

# 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 EPROMST620x,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-socketOTPandEPROMprogrammingutilities.
- In-circuit OTP and EPROM programming utilities
- Application examples and demonstrations



August 1998 1/4

## The Starter Kit Board

The Starter Kit board has the following resources:

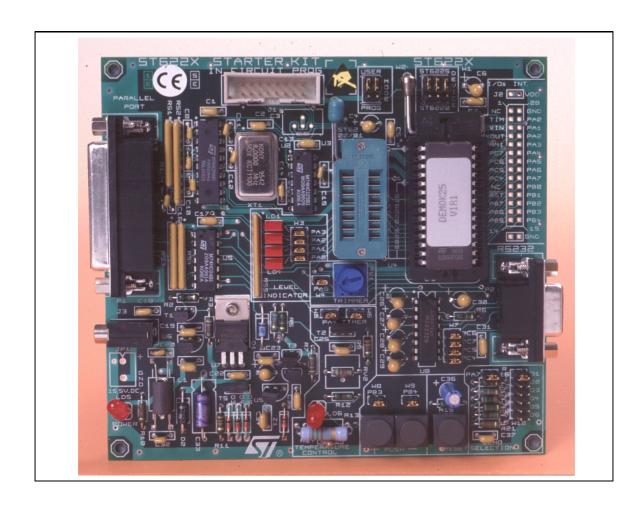
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- · Temperature control circuit.
- RS-232 interface.
- · Demonstration program selector jumpers.

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:

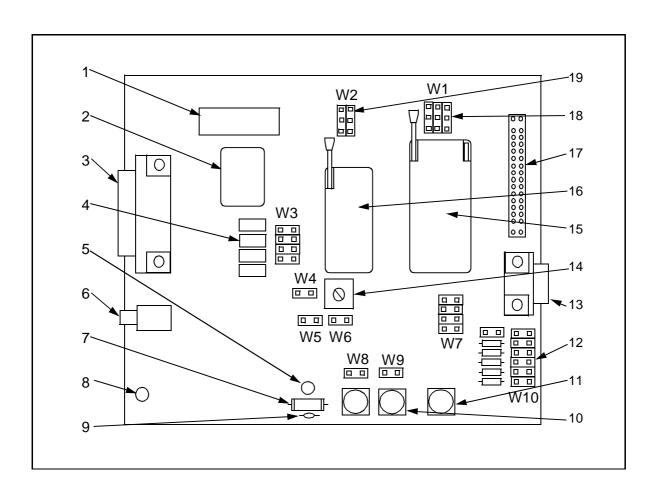
- A parallel port connector (P1) for connection to the host PC when it is used as a hardware simulator or for programming.
- A remote resource I/O interface connector (J2) to which you can connect your own hardware resource.
- An RS-232 connector, which you can use for observing RS-232 communication 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.



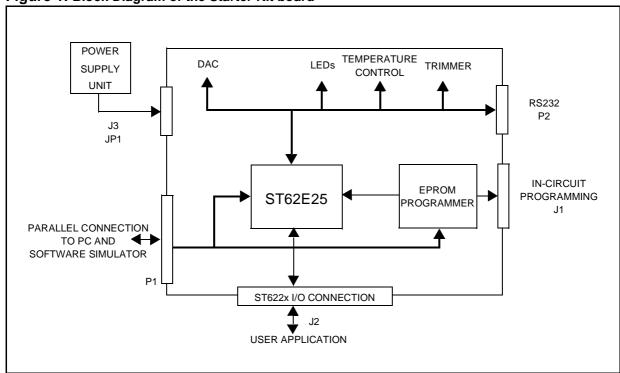


Figure 1. Block Diagram of the Starter Kit board

## **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

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