ST626XB-KIT

STARTER KIT
FOR ST625x and ST626x MCUs

HARDWARE FEATURES

- Immediate evaluation of all ST625x and ST626x devices, with demonstration examples.
- Software debugging within the user's real application environment.
- Programming of ST62T5x, ST62T6x and ST62E6x devices (DIL packages).
- In-circuit programming of ST62T5x, ST62T6x and ST62E6x devices on the user's application board (all packages).

SOFTWARE FEATURES

- Software simulator including I/O read/write.
- Assembler, linker, debugger.
- OTP and EPROM programming utilities.
- Application examples and demonstrations.

The Starter Kit Board

The Starter Kit board includes the following resources:

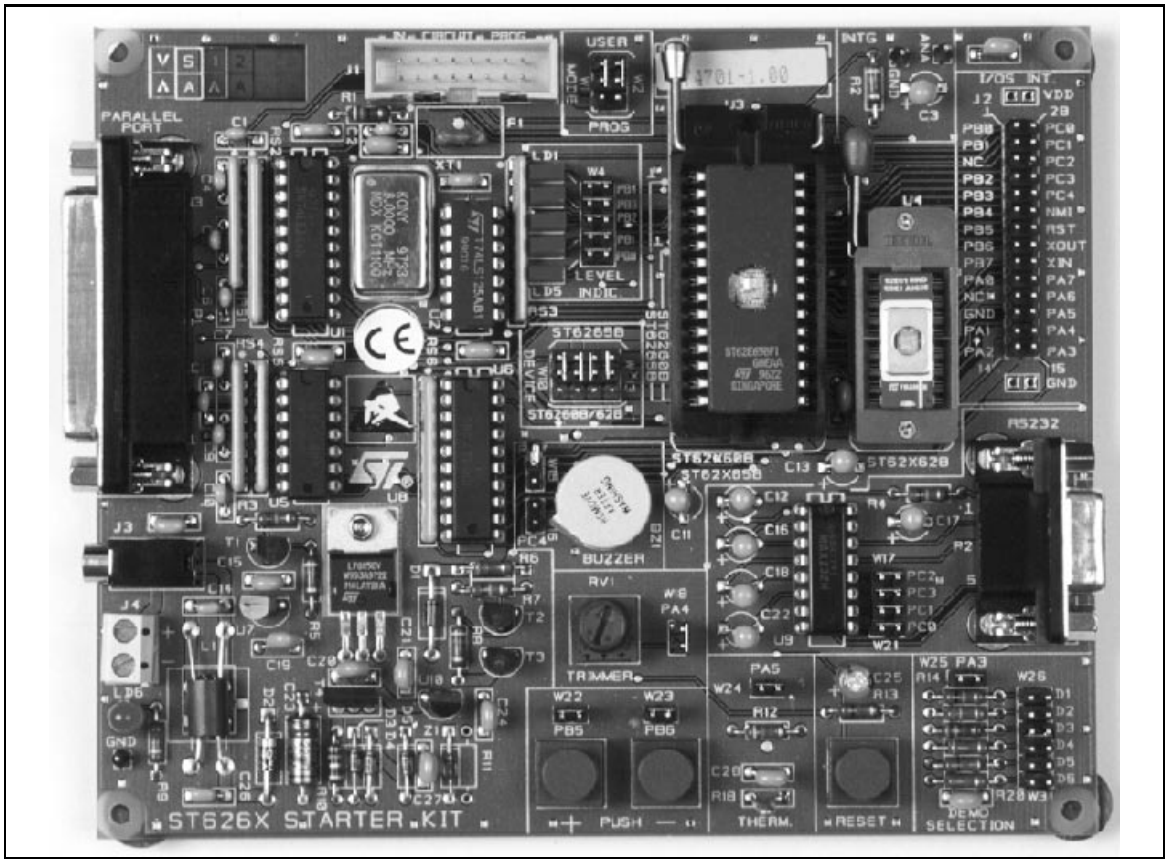
- Reset and data control buttons.
- LED indicators.
- Resistance trimmer.
- Analog to digital converter.
- Audio transducer circuit.
- RS-232 interface.
- Demonstration program selector jumpers.

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).	**20**	DIL-16 ZIF MCU socket
2	8 Mhz Oscillator.	**19**	Digital to analog conversion circuit.
3	“ST6260/62” or “ST6265” device selection jumpers W10 to W13.	**18**	“Programming” or “User” operating mode selection jumpers W1 and W2.
4	PC connector P1.	**17**	Five LED level indicators including jumpers W4 to W8.
5	Audio Transducer circuit.	**16**	DIL 20-28 ZIF MCU socket.
6	10 KΩ trimmer.	**15**	Remote resource I/O interface connector J2.
7	Power supply JACK connector J3.	**14**	RS232 interface circuit and connector.
8	Power supply connector J4.	**13**	Demonstration routine selector.
9	Power supply LED indicator LD6.	**12**	Thermistor including jumper W24.
10	“+” and “-” buttons.	**11**	RESET button.

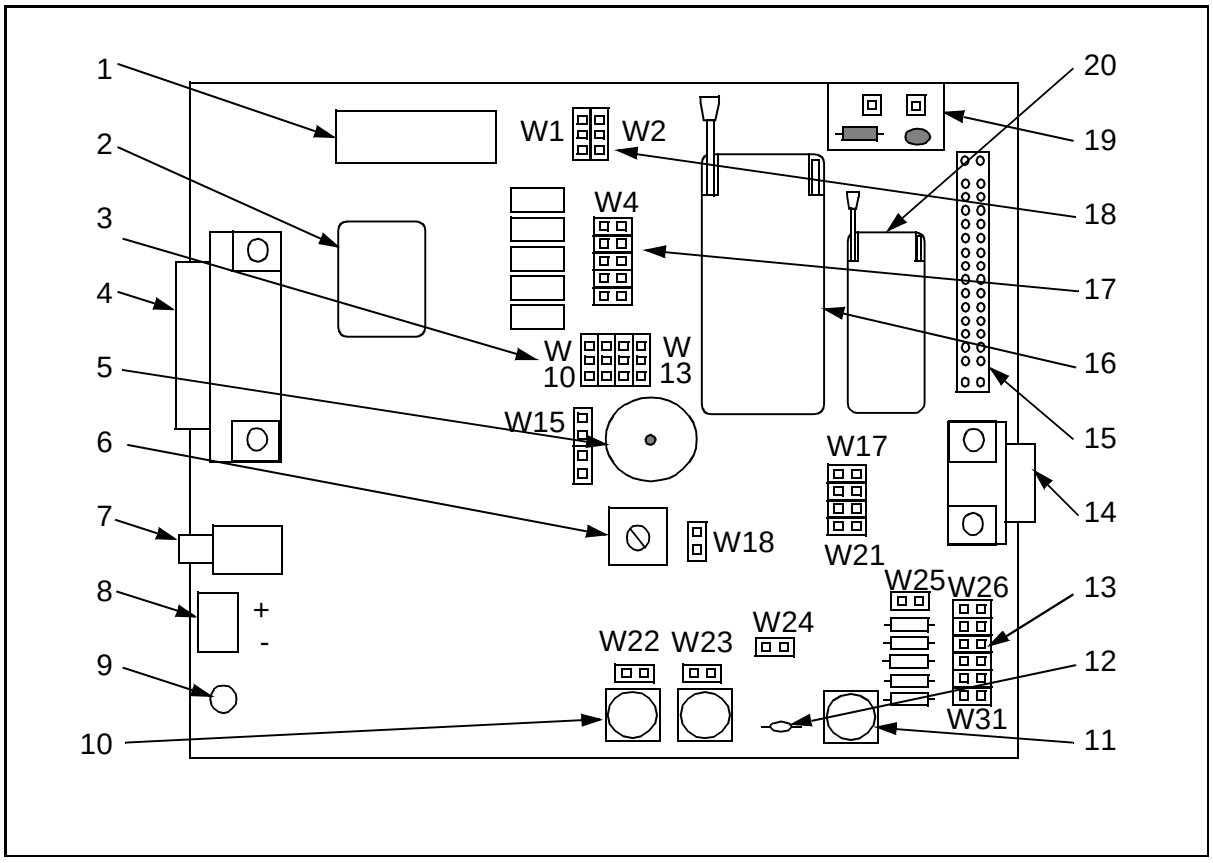
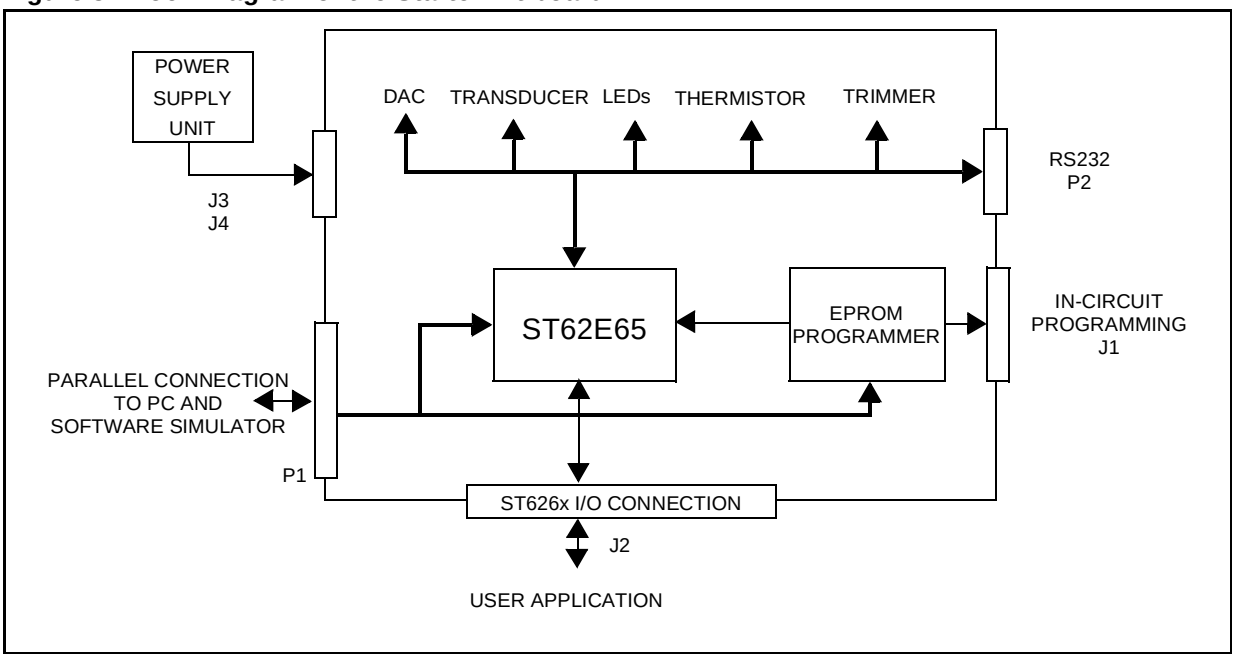


Figure 3. Block Diagram of the Starter Kit board



ORDERING INFORMATION

Sales Type	Description
ST626XB-KIT/UK	Starter Kit for ST625x and ST626x MCUs for operation in United Kingdom
ST626XB-KIT/110	Starter Kit for ST625x and ST626x MCUs for operation from 110 Vac mains
ST626XB-KIT/220	Starter Kit for ST625x and ST626x MCUs for operation from 220 Vac mains