

# ST624XB-KIT

## STARTER KIT FOR ST624x MCU FAMILY

#### HARDWARE FEATURES

- Immediate evaluation of ST6240 with demonstration examples
- Program debugging within the user's real application environment
- Onboard programming of ST62E46 and ST62T46
- In-circuit programming of ST62E4x and ST62T4x devices on the user's application board

#### SOFTWARE FEATURES

- Software simulator including LCD display andl/ O read/write
- Assembler, linker, debugger
- EPROM/OTP programming utilities
- Application examples



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### The Starter Kit Board

The Starter Kit board includes the following resources:

- A Reset button.
- An 8-alphanumeric digit LCD.
- A hexadecimal keyboard.
- A LED indicator.
- A resistance trimmer.
- One 8 MHz and one 32 KHz oscillator.
- A SDIP56 ZIF socket to program the ST62E46B or ST62T46B.

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 (P2) for connection to the host PC when it is used as a hardware simulator or for programming.
- A remote resource I/O interface (J1).
- An in-circuit ST6 programming board connector (P1).
- A remote LCD connector (J2) to which you can connect your own LCD.



The following diagram shows the layout of the Starter Kit board.

- 1 In-circuit programming connector P1.
- 2 "Programming" or "User" operating mode **16** selection jumper JP1.
- 3 8 Mhz oscillator.
- 4 PC connector P2.
- 5 32.768 KHz oscillator.
- 6 LED indicator LD1.
- 7 LCD display.
- 8 Power supply JACK connector J3.
- 9 Power supply LED indicator LD2.

- 17 Remote resource I/O interface J1.
  - Remote LCD interface connector J2.
- **15** ST62T40B MCU
- 14 LCD protection with jumper JP2 if the combiport PC0-7 is used.
- 13 SDIP56 ZIF MCU socket.
- 12 Keyboard
- 11 Voltage trimmer
- **10** RESET button.





Figure 2. Block Diagram of the Starter Kit board

#### **ORDERING INFORMATION**

| Sales Type      | Description  |
|-----------------|--|
| ST624XB-KIT/UK  | Starter Kit for ST624x MCUs for operation in<br>United Kingdom |
| ST624XB-KIT/110 | Starter Kit for ST624x MCUs for operation from 110 Vac mains   |
| ST624XB-KIT/220 | Starter Kit for ST624x MCUs for operation from 220 Vac mains   |

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