



## 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 and I/O read/write
- Assembler, linker, debugger
- EPROM/OTP programming utilities
- Application examples



### The Starter Kit Board

The Starter Kit board includes the following resources:

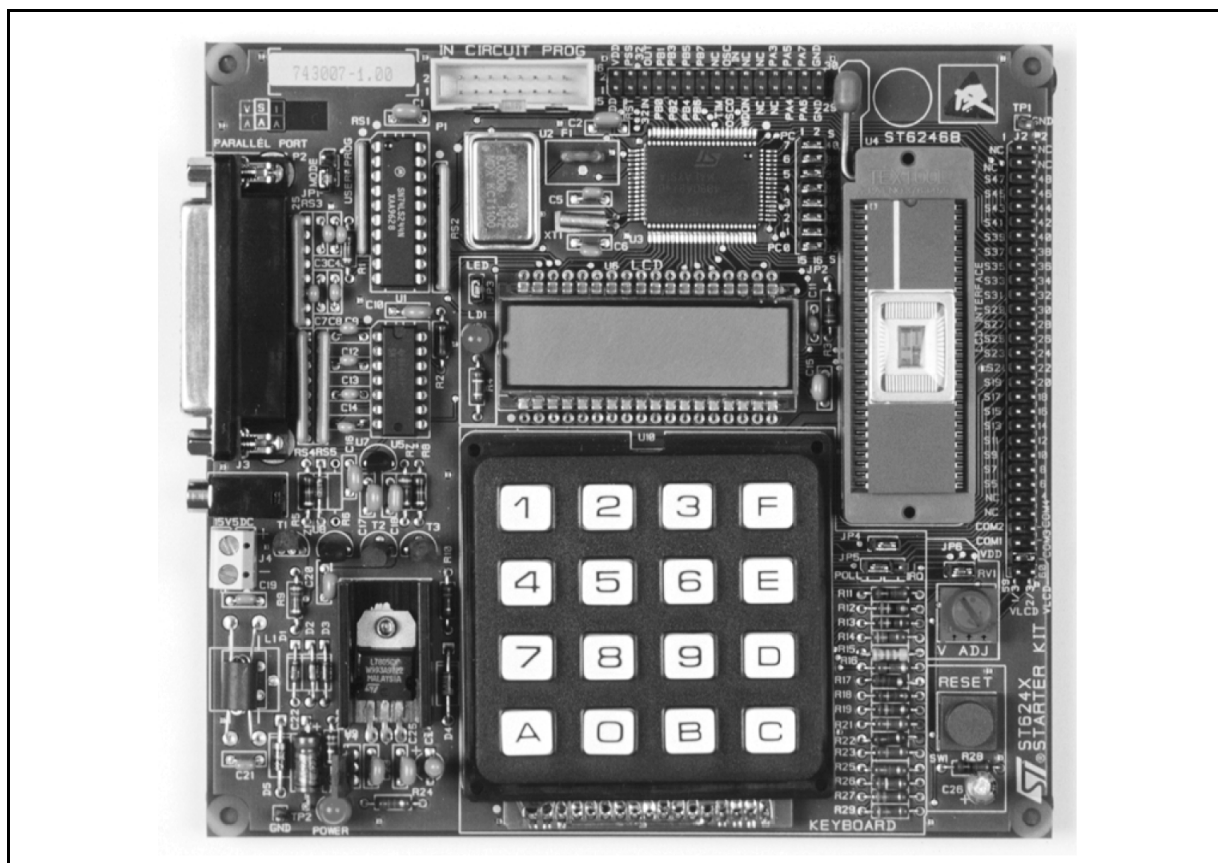
- A Reset button.
- An 8-alphanumeric digit LCD.
- A hexadecimal keyboard.
- A LED indicator.
- A resistance trimmer.
- One 8 MHz and one 32 KHz oscillator.
- A SDIP56 ZIF socket to program the ST62E46B or ST62T46B.

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.

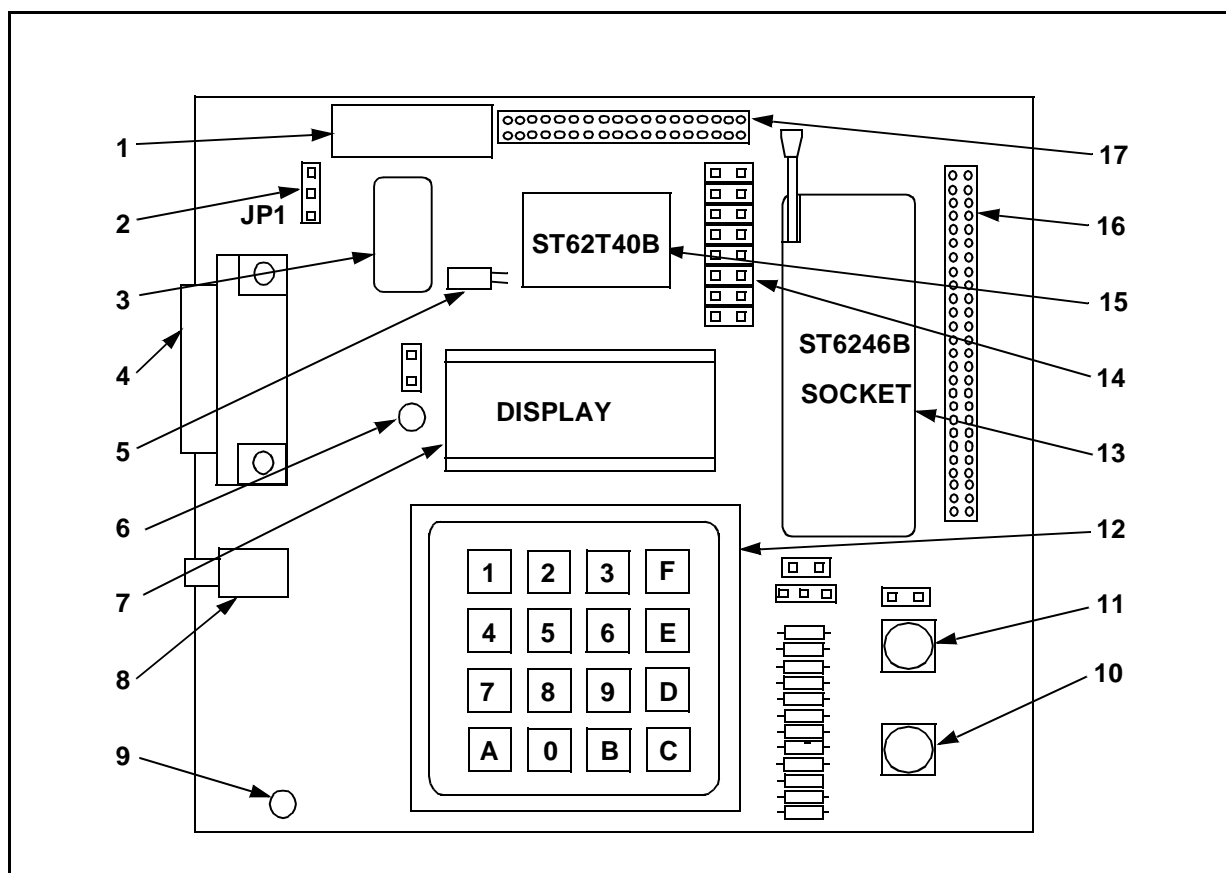
It includes the following connectors:

- 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.

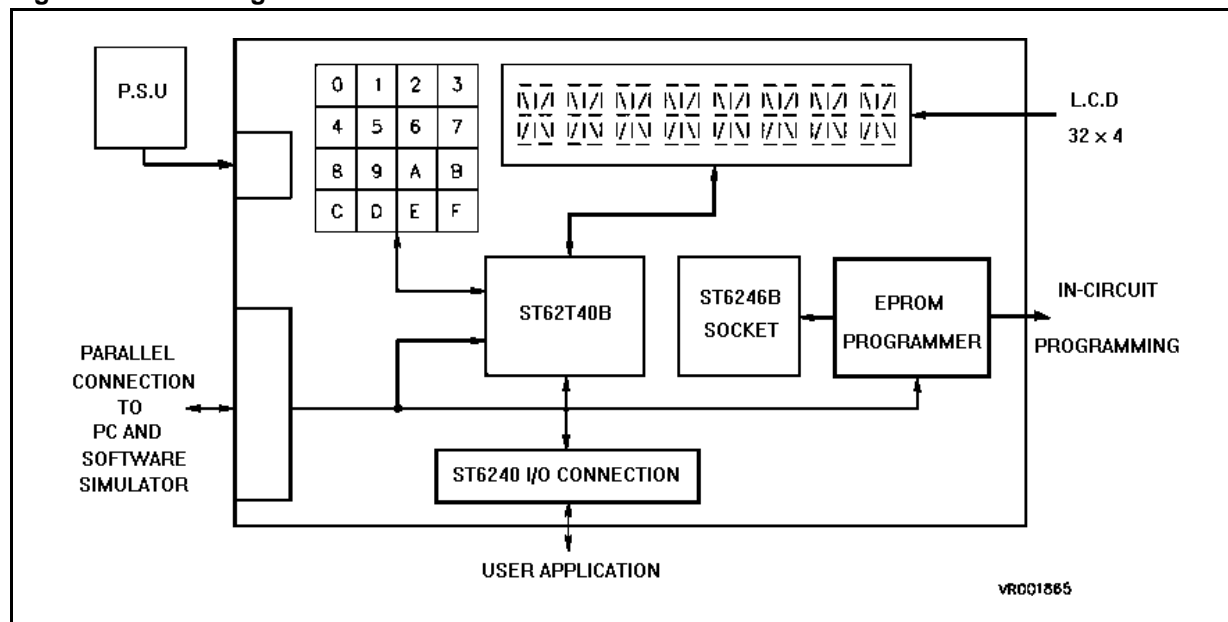


The following diagram shows the layout of the Starter Kit board.

- |   |  |    |   |
|---|--|----|---|
| 1 | In-circuit programming connector P1.                         | 17 | Remote resource I/O interface J1.                               |
| 2 | “Programming” or “User” operating mode selection jumper JP1. | 16 | Remote LCD interface connector J2.                              |
| 3 | 8 Mhz oscillator.  | 15 | ST62T40B MCU  |
| 4 | PC connector P2.   | 14 | LCD protection with jumper JP2 if the combi-port PC0-7 is used. |
| 5 | 32.768 KHz oscillator.                                       | 13 | SDIP56 ZIF MCU socket.  |
| 6 | LED indicator LD1.   | 12 | Keyboard  |
| 7 | LCD display.   | 11 | Voltage trimmer   |
| 8 | Power supply JACK connector J3.                              | 10 | RESET button.   |
| 9 | Power supply LED indicator LD2.                              |    |   |



**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 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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