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:

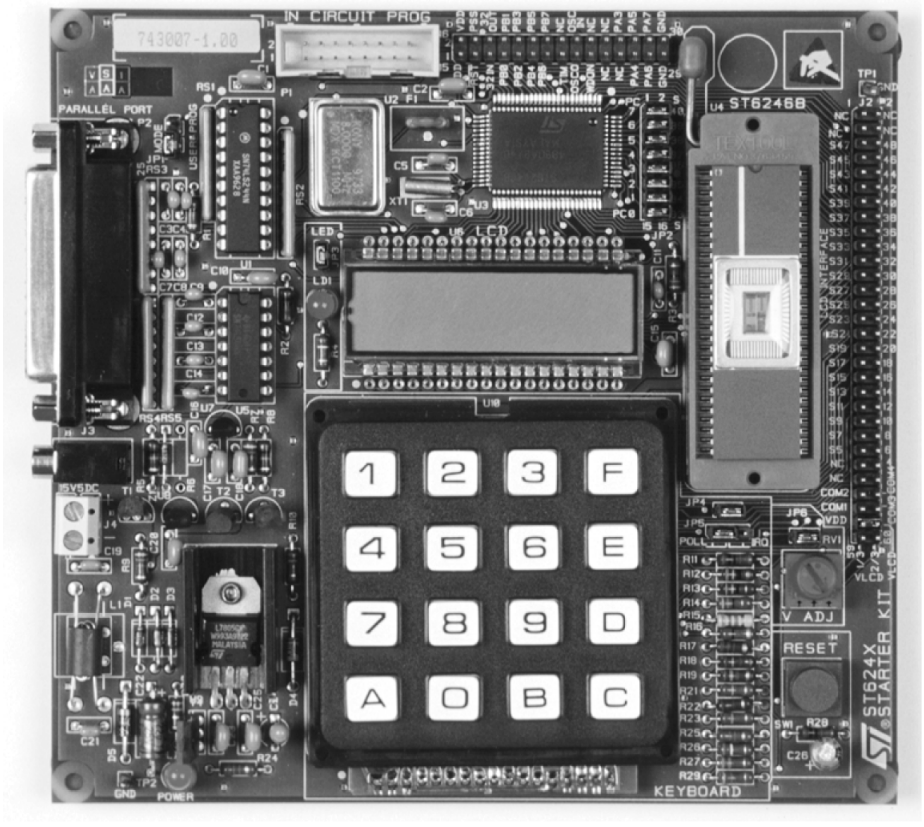
- A Reset button.
- An 8-alphanumeric digit LCD.
- A hexadecimal keyboard.
- A LED indicator.
- A resistance trimmer.
- One 8 MHz and one 32 KHz oscillator.
- A SDIP56 ZIF socket to program the ST62E46B or ST62T46B.

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.		

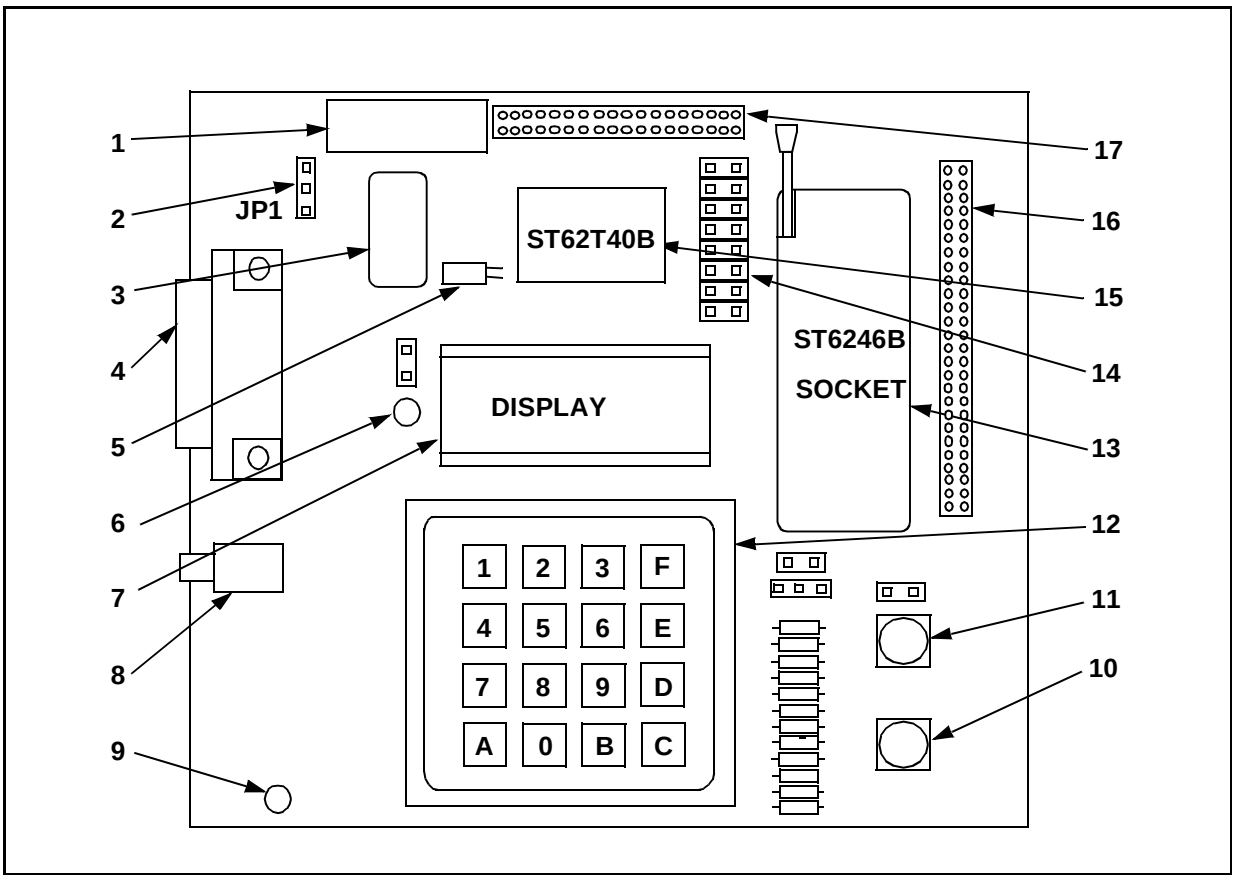
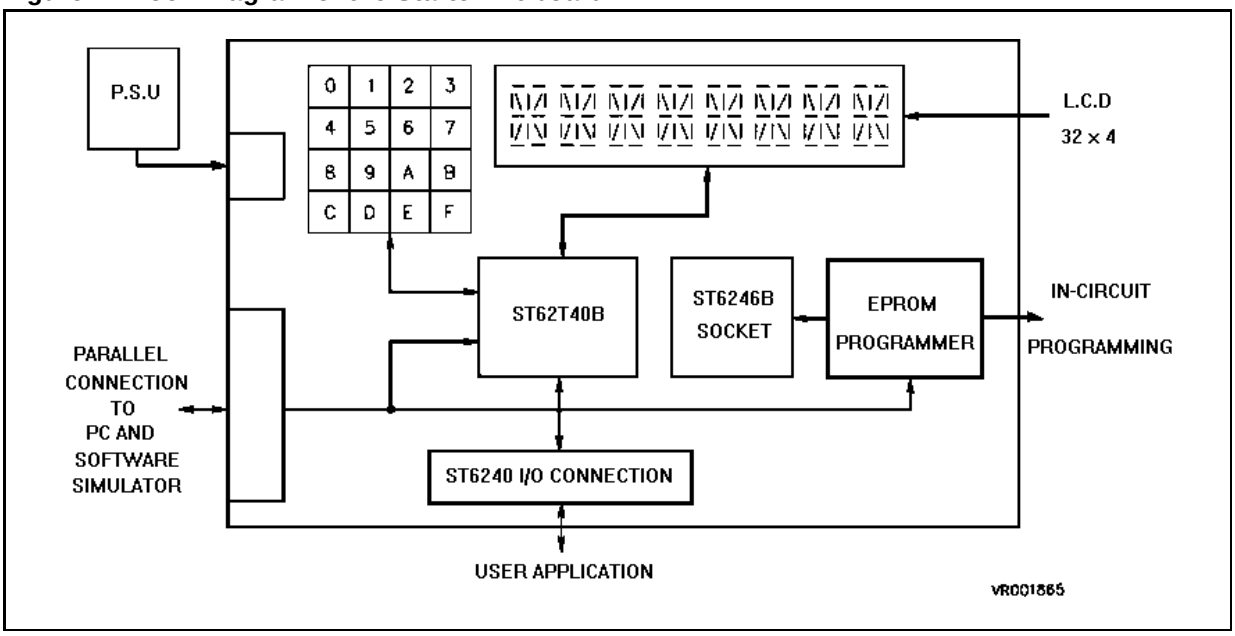


Figure 2. Block Diagram of the Starter Kit board



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