![ST] SGS-THOMSON MICROELECTRONICS

ST6240-KIT

STARTER KIT FOR ST624x MCU FAMILY

HARDWARE FEATURES
- Immediate evaluation of ST62E40 with a demonstration examples
- Program debugging by connection of an application environment to the board
- On board programming of ST62E40 and ST62T40
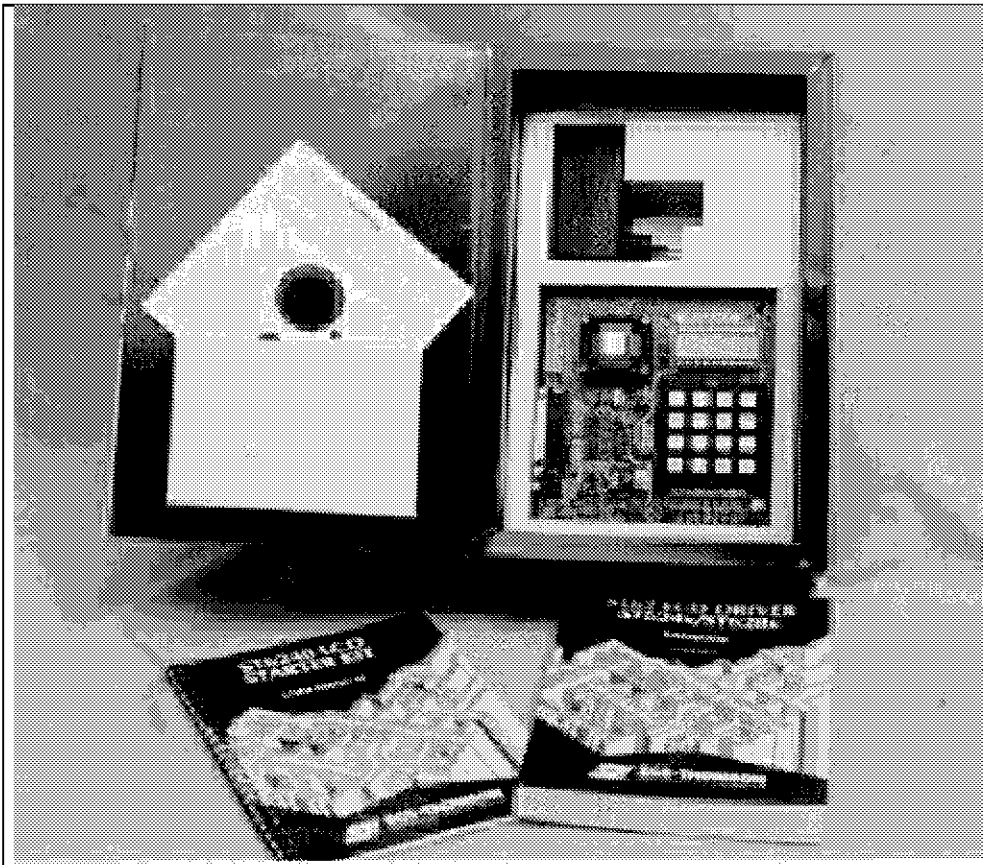- In-circuit programming of ST62E4x and ST62T4x through the Starter Kit

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

DESCRIPTION

The ST6240 Starter Kit can be used for evaluation, simulation and emulation purposes. First, it can be used to demonstrate the capabilites of the ST6240. It is only necessary to connect the supply to the board and to load the demonstration software provided with the Kit into the ST62E40 sample; LCD and keyboard interfacing can be immediately evaluated.

The same board can be used as a hardware interface to the software simulator when connected to the PC, allowing display values from the simulator to be displayed directly on the LCD. Analog or digital values from the ST624x I/O pins can also be loaded directly to the simulator.

DESCRIPTION (Continued)

Once the program is successfully simulated, it can be loaded in the ST62E40 sample with the on-board programmer.
The application environment can be connected to the Starter Kit via the I/O connector to perform a full evaluation of the user application.

In addition, since the LCD is connected to the PCB via a socket, it can easily be removed and replaced by a customized LCD.

QFP packages are difficult to handle manually, so an in-circuit programming facility is provided with the Kit to enable programming, via the Starter Kit board, of any ST62E4x (EPROM) or ST62T4x (OTP) already soldered in the user application board.

Hardware items

The Kit PCB includes a QFP80 socket, a 16 key keyboard, a 32 segment x 4 LCD, an ST62E40 and cables plus a power supply.

Pins are available for direct connection to an application.

The board is connected to the PC via the parallel port.

Software items

The diskette provided with this kit includes an enhanced simulator including control of the external LCD display and I/O read/write, assembler, linker, debugger, EPROM/OTP ST6 programming facilities and demonstration examples.

Documentation

A full set of documents is provided with the Kit including the ST62 LCD drive data book, a Kit guide and the ST62/63 Software Development Tools user manual.

System requirement

The ST624x Starter Kit communicates with a PC-AT compatible Personal Computer equipped with a hard disk and a 5"1/4 diskette drive, 640k of conventional memory, one parallel Centronic port and MS-DOS version 3.10 or higher.

Ordering information

Sales type	Description
ST6240-KIT/220	Complete kit for operation from 220Vac mains
ST6240-KIT/110	Complete kit for operation from 110Vac mains
ST6240-KIT/UK	Complete kit for operation in UK

Block Diagram of ST6240 Starter Kit

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