

The Programmer LDM-PA 2.01 is intended for programming chips:



- AT90S1200, AT90S2313, AT90S2323, AT90S2343, AT90S4414, AT90S4434, AT90S8515, AT90S8535;
- AT90S2323, AT90S2343, AT90S2333, AT90S4433, AT90S4434, AT90S8535, AT90S8534;
- ATmega103, ATmega161, ATmega163, ATmega 323, ATmega128, ATmega8;
- ATmega16, ATmega64;
- ATmega32, ATmega162, ATmega 169, ATmega8515, ATmega8535;
- ATtiny12, ATtiny15;
- AT89S8252, AT89S53.

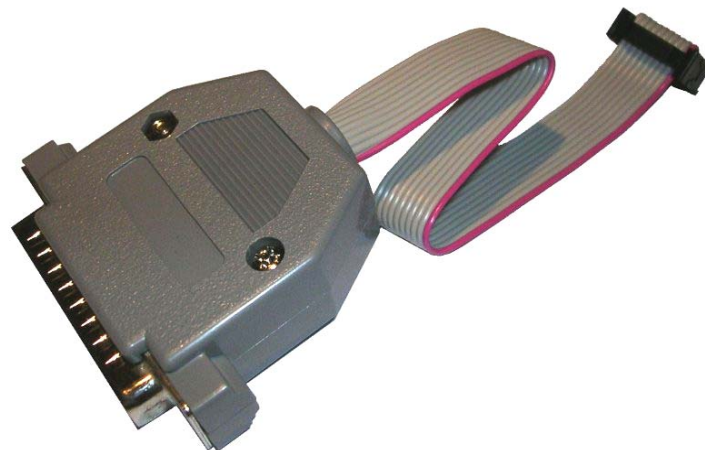


Fig. 1. General view of the Programmer LDM-PA 2.01

It is possible to program chips with power either 3.3 V and 5.0 V.

It provides a quick and cheap way of in-system programming.

It is compatible with standard 25-contact parallel port (LPT) of the personal computer. It has a 10-contact user connector for connection with the board.

The free software distribution firmware PonyProg2000 is used as the shell of programming.

The programmer power is carried out via a programming loop that is connected to the board, on which there is a controller.

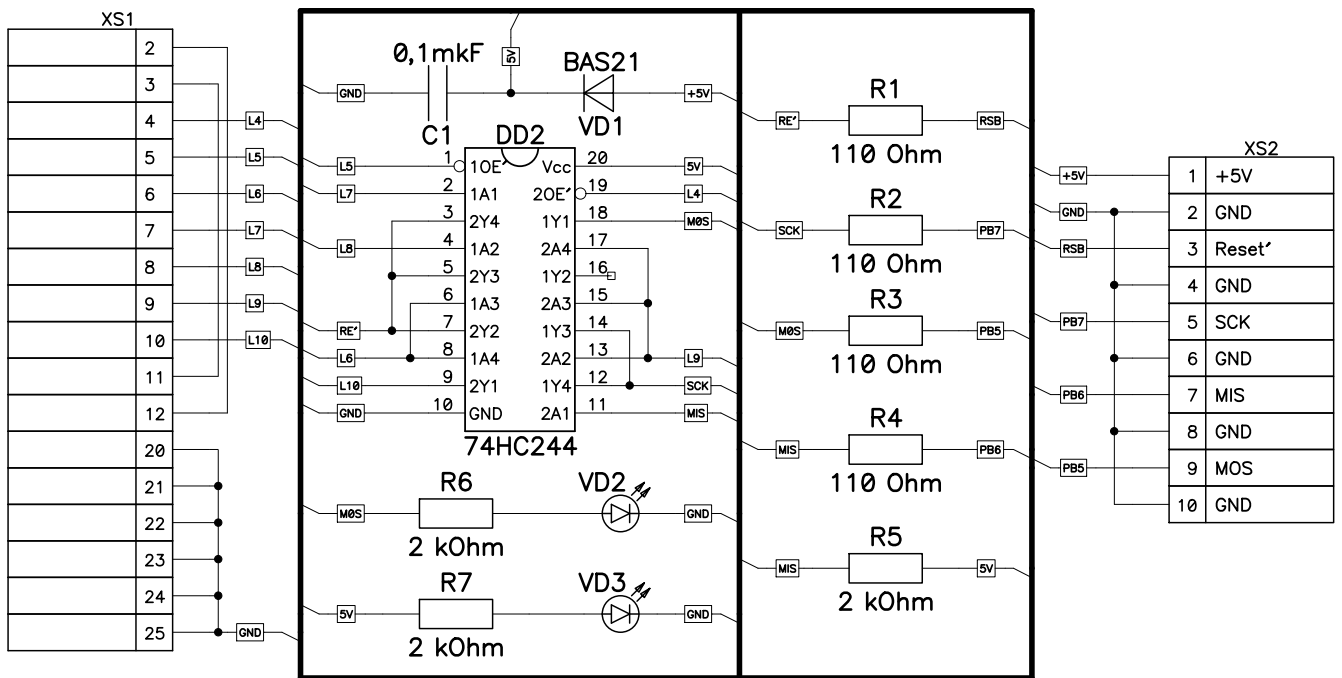


Fig. 2. Scheme of the Programmer LDM-PA 2.01

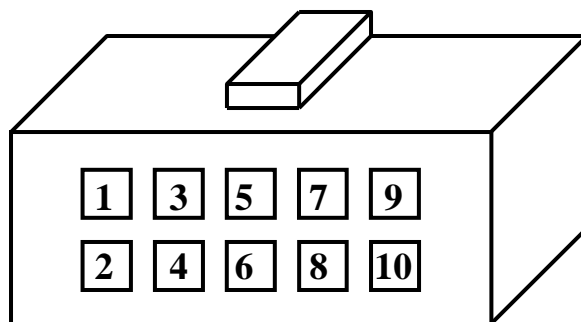


Fig. 3. The 10-contact programmer connector LDM-PA 2.01

During the use of development boards, it is imperative to set power blocking capacitors. The absence of such capacitors may cause problems in programming and even damage the chip.

Supply voltage range:

- 4.5 - 5.5 for devices with VCC=5 V;
- 3.0 - 3.6 for devices with VCC=3 V.

Packaging arrangements:

- The programmer LDM-PA 2.01;
- Description of the programmer;
- The boot program PonyProg2000;
- Program examples;
- The manual of step-training of the controllers programming.