

EPROM Programmer using an IBM PC

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ABSTRACT

The objective of this project is to design, construct and test an EPROM Programmer using an IBM PC. However, the appropriate software for operating the programmer is to be developed.

Only 2716 EPROMs can be programmed by this design. It incorporates a RS-232 based communication between the EPROM Programmer and the universal I/O interface card for the IBM PCs.

Although normal operation calls for a +5V supply voltage, +25V is needed to program a 2716 EPROM. This is achieved by using an external power supply of +30.8V which is stepped down using a potential divider.

Apart from programming a 2716 EPROM, this design also provides facility for listing the contents of the above mentioned EPROM.

After a study has been carried out, taking all the above into consideration, the programmer has been designed and constructed. Also the software required for the operation of the programmer has been developed using Pascal computer language.

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