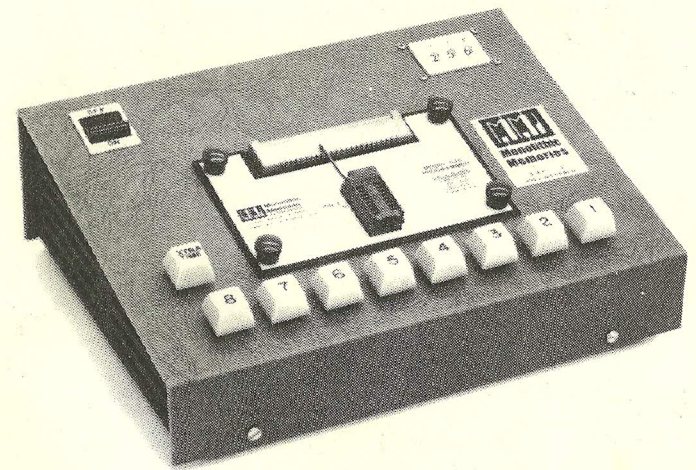


MONOLITHIC MEMORIES INC

MODEL 535 PROGRAMMER



Monolithic Memories
INCORPORATED

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I. INTRODUCTION

A. General

The Model 535 programmer is designed to blow the fusible nichrome links of Monolithic Memories, Inc. (MMI) programmable read only memories (P.ROMS). No other device types can be programmed. The unit is manually operated by selecting the decimal word number to be programmed on the 3 digit thumbwheel switch on the front panel and depressing the front panel output switches numbered 1 to 8 where a TTL low level is required in the P.ROM.

MMI P.ROMS are initially shipped with highs in all locations. When a fusible link is opened by programming, the P.ROM output goes low and the light in the cap of the pushbutton switch will light indicating successful programming. The speed of manual programming is limited only by the operator. Fusing 1024 links will normally take about 20 minutes.

Optional copying boards are available for the Model 535 which permit automatic duplication of the contents of one P.ROM or read only memory into another P.ROM in several seconds. These boards are usually required for production requirements when several of one pattern is required and time or cost does not permit manual programming of each device. The copying boards also permit comparison of two devices to check that the stored patterns are the same and permit checking that an unprogrammed P.ROM is actually unprogrammed (blank checking). An interface for remote equipment is also provided.

B. Program Boards

In order to handle the different P.ROM types with one mainframe, the 535 uses program boards. Boards are available for all MMI P.ROMS. The boards plug in and permit rapid change among part types.

C. Copying Boards

Copying boards are available for all MMI P.ROMS. They derive the required voltages from the 535 mainframe and plug into the same connector as the manual program boards.

II. FIRST TIME OPERATION — Manual Program Boards

- A. The cover of the 535 can be easily removed by sliding the cover, once it is in the full open position, to the right when facing the unit. The bottom plate that the cover is hinged to should also be removed. The bottom cover attachment plate is removed by unscrewing the four rubber feet, removing the bottom plate, and then replacing the rubber feet.
- B. Turn off the power switch located in the upper left corner of the chassis and insert a program board by unscrewing the four red caps and plugging the program board into the connector. The replace the four red caps.
- C. Turn on power and plug in the line cord. The light in the power on/off switch should light.

