

PM9054 OPERATING INSTRUCTIONS

(8748, 8741 AND 8755 PERSONALITY MODULE)

The PM9054 programs the MCS-48™ series of programmable devices. It is generic, which means that future devices in this family can be programmed by the addition of a new Pinout Adapter and Configurator at most. Currently, the module can program the following devices:

Device	Pinout Adapter	Configurator
8748	PA40-1	1Kx8(EL)
8741	PA40-1	1Kx8(EL)
8755	PA40-2	2Kx8(EH)

OPERATIONAL MODES

8748/8741 Devices

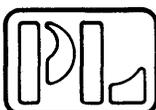
The 8748 and 8741 microcomputers operate differently than a normal PROM, and this results in a different operation of the eight binary lights located in the upper left of the module. With normal PROMs, these display the contents of the COPY PROM and can be seen to flicker while the PROM is programmed. With the 8748 or 8741 microcomputer, however, the data and some address lines share the same lines, and so the data is not continuously available. Thus, the binary lights have little function for this series of parts. The LIST function must be used instead, when the contents of the COPY socket need to be displayed. For example, during the verify operation if the master and copy fail to match, the contents of the master are automatically displayed, along with the address at which they failed to match. In order to determine the contents of the COPY PROM at this address, the LIST function must be used.

Alongside both MASTER and COPY sockets are indicators which flash briefly during LIST or PROGRAM modes and appear steady during DUP or VERIFY modes. These lamps indicate the presence of 25 volts to the EA terminal of the device, necessary to read it. **DO NOT REMOVE THE PART WHILE THIS LAMP IS LIGHTED.** Removal of the part could result in alteration of the stored pattern.

Protection is provided to both sockets to preclude damage to either the module or the device due to inadvertent insertion of the devices upside down. Programming voltages cannot be applied when this occurs.

8755 Device

To the operator, this device functions like a normal PROM.



PRO-LOG

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